

# COUNTY ROAD ADMINISTRATION BOARD

JANE WALL, EXECUTIVE DIRECTOR

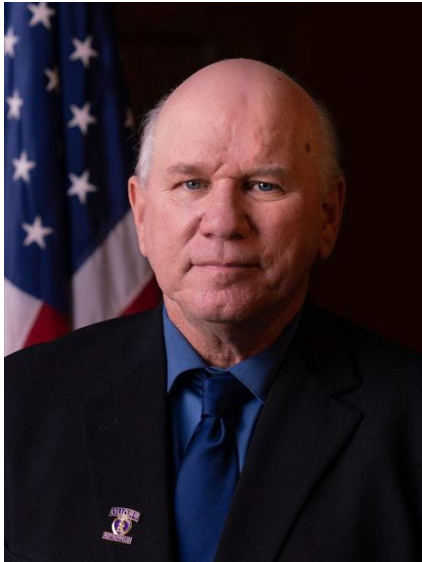
## CRAB QUARTERLY REPORT

Issue 39

August – October 2021

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## **CRABOARD REMEMBERS LEWIS COUNTY COMMISSIONER GARY STAMPER**

Commissioner Gary Stamper passed away on September 29, 2021 after a courageous battle with COVID-19. Commissioner Stamper joined the CRABoard in February 2021 representing medium-sized counties with a population between 30,000 and 150,000. He was elected Lewis County Commissioner in 2014 where he was known to “stand up for the little guy”. Gary devoted his career to public service, spending most of his career in public education, serving roles ranging from teacher and trainer to former principal. Gary grew up in Lewis County, graduated from Mossyrock High School before earning a BA in Political Science from Central Washington University and an MA in Educational Administration from Heritage University. He is survived by his partner Bobbi Barnes, two daughters (and their respective families), and multiple grandchildren. He was beloved in his community as this was clearly evident with the hundreds of mourners who gathered in late October to remember and honor him during a public memorial service. The CRABoard was honored to work alongside him.

## **OCTOBER 2021 CRABOARD MEETING**

On October 28, 2021, the CRABoard held its quarterly board meeting. In accordance with current Washington State COVID-19 guidelines, and out of an abundance of caution, the CRABoard held their meeting with both an in-person option and Zoom participation available.

### **2022 CRABoard Meeting Schedule**

The CRABoard adopted their 2022 meeting schedule

- January 27-28, 2022
- April 21-22, 2022
- July 28-29, 2022
- October 27-28, 2022

All meetings are scheduled to begin at 1:00 pm on the first day and reconvene at 8:30 am on the second day.

Information pertaining to past and future meetings can be found on the CRAB Board website, along with prior Meeting Minutes and Board Reports, at:

<https://www.crab.wa.gov/about-us/county-road-administration-board/board-meetings>

Staff Contact: Jason Bergquist, [Jason.Bergquist@crab.wa.gov](mailto:Jason.Bergquist@crab.wa.gov)

## CRABoard Welcomes New Staff Member – Tommy Weed

Tommy Weed joined the CRAB family on September 27 as the new IT Director.



Before joining CRAB, Tommy served as the Washington Traffic Safety Commission (WTSC) IT Director. As the IT Director at WTSC, Tommy helped the agency complete the IT modernization project that prepared the agency IT infrastructure and environment to be fully agile for any future working condition. Tommy has also worked for the State of Washington in multiple IT capacities, working for such agencies as the Department of Social and

Health Services, the Department of Correction/Correctional Industries, and the Employment Security Department. Tommy holds an M.S. in Organizational Leadership from Southern New Hampshire University and a B.S. in Business in IT Management from Southern New Hampshire University. Tommy resides in Puyallup with his wife Tiffany and his two-year-old son Cooper.

### CRABoard Actions

The CRABoard approved Resolution 2021-010 Apportion Rural Arterial Trust Account (RATA) funds to regions, which authorized that the accrued amount of \$6,741,261 deposited to the RATA for July, August and September 2021 be appointed to the regions by the established 2021-2023 biennium percentages after setting aside \$132,320 for administration.

Staff Contact: Steve Johnson, P.E. [steve.johnson@crab.wa.gov](mailto:steve.johnson@crab.wa.gov)

The CRABoard approved Adams County's request for a contract amendment to authorize the remaining RATA funds for the active project 0119-01 – McKinney Road #1 2R project. The requested RATA funds for this project total \$1,067,400. RATA authorized to date is \$814,700. The remaining \$252,700 in RATA funds was expected to be authorized as part of the 2023-2025 biennium RAP cycle. With the funds being made available now, Adams County intends to construct the project in the summer of 2022 instead of 2023. The funding will be deducted from the Adams County funding limit on the 2023-2025 array of RAP proposed projects.

Staff Contact: Steve Johnson, P.E. [steve.johnson@crab.wa.gov](mailto:steve.johnson@crab.wa.gov)

The CRABoard elected to establish a funding period for the 2023-2025 biennium. A \$50,000,000 call for projects will go out in early January 2022. Preliminary proposals are to be submitted to CRAB by March 1, 2022, and final prospectuses due September 1, 2022.

Staff Contact: Steve Johnson, P.E. [steve.johnson@crab.wa.gov](mailto:steve.johnson@crab.wa.gov)

The CRABoard approved the Annual Certification for Calendar Year 2021 (WAC 136-04).

Staff Contact: Drew Woods, P.E. [drew.woods@crab.wa.gov](mailto:drew.woods@crab.wa.gov)

**WAC REVISIONS**

At the CRABoard's October meeting, the Board approved changes to several Washington Administrative Code (WAC) chapters regarding the standards of good practice and the administration of the Rural Arterial Program (RAP). The chapters changed regarding the standards of good practice are [136-12, 136-14, 136-15, and 136-50](#). The chapters amended or added for the RAP are [136-130, 136-161, 136-163, 136-165, 136-167, and 136-170](#).

Staff Contact: Drew Woods, P.E. [drew.woods@crab.wa.gov](mailto:drew.woods@crab.wa.gov)

Staff Contact: Derek Pohle, P.E. [derek.pohle@crab.wa.gov](mailto:derek.pohle@crab.wa.gov)

CRAB staff presented a proposed amendment to WAC 136-150-021 to change the due date of the county road levy certification from February 1<sup>st</sup> to March 1<sup>st</sup> of every year. The Board has scheduled a public hearing for 2:00pm on January 27, 2022, for the proposed change. Documents filed with the Code Reviser's Office for the public hearing will be sent to counties once published in the Washington State Register.

Staff Contact: Drew Woods, P.E. [drew.woods@crab.wa.gov](mailto:drew.woods@crab.wa.gov)

**PROPOSED NEW WAC**

Staff proposed creating WAC 136-600 regarding the duties, responsibilities, and submittal requirements and due date regarding the administration of the county's Equipment Rental and Revolving (ER&R) Fund. The Board has scheduled a public hearing for 2:00pm on January 27, 2022, for the proposed change. Documents filed with the Code Reviser's Office for the public hearing will be sent to counties once published in the Washington State Register.

Staff Contact: Drew Woods, P.E. [drew.woods@crab.wa.gov](mailto:drew.woods@crab.wa.gov)

**Office of the County Engineer Vacancies/Changes**

- Asotin County is actively recruiting for the position of County Engineer. Ted Sharp, PE, is currently serving as Interim County Engineer through January 1, 2022.
- Clark County appointed Robert Klug, PE as Interim County Engineer/Public Works Director through January 20, 2022.
- Lincoln County previously appointed Walt Olsen, PE as Interim County Engineer through April 1, 2022.
- Pacific County Engineer Brook Priest, PE resigned on September 30 after only 4 months on the job. Paul Lacy, PE was appointed as Interim County Engineer through March 31, 2022.

Staff Contact: Derek Pohle, P.E. [derek.pohle@crab.wa.gov](mailto:derek.pohle@crab.wa.gov)

**County Audit Review**

	Number	Findings	Management Letters	County Road or ER&R	CRAB Follow-Up Needed
<i>Financial</i>	13	3	0	Yes Ferry, Pend Oreille	No
<i>Accountability</i>	5	0	4	Yes Clark	No
<i>Fraud</i>	0	0	0	No	No
<i>Performance</i>	0	0	0	No	No

Ferry and Pend Oreille counties both had findings regarding procurement policies not being up to date and have been resolved. Clark had a management letter regarding the use of piggyback contracts for the procurement of ER&R vehicles and the county has since changed its process. CRAB staff initiated consultation with Benton County regarding the management letter sent them for their Road/ER&R's issues regarding an abandoned gravel stockpile. This matter had no satisfactory resolution, staff considers the matter closed.

Staff Contact: Derek Pohle, P.E. [derek.pohle@crab.wa.gov](mailto:derek.pohle@crab.wa.gov)

### **CRABoard Positions**

With the untimely passing of Commissioner Stamper, the CRABoard will be seeking an appointment from WSAC to fill his position for a term lasting through June 30, 2024. This Board position must be a county commissioner/councilmember from a county with population between 30,000 and 150,000.

Staff Contact: Jason Bergquist, [Jason.bergquist@crab.wa.gov](mailto:Jason.bergquist@crab.wa.gov)

### **NEXT CRABOARD MEETING**

The CRABoard's next meeting will be held in person at the CRAB office (in Olympia) on January 27-28, 2022. A Zoom virtual option will be provided as well. Meeting agendas are posted at least five days prior to the next Board meeting. Current materials as well as past agendas, meeting minutes and board packets can be found at: <https://www.crab.wa.gov/about-us/county-road-administration-board/board-meetings>

Staff Contact: Jason Bergquist, [Jason.bergquist@crab.wa.gov](mailto:Jason.bergquist@crab.wa.gov)

### **CRAB TRAINING**

#### **County Engineers' Training**

Registration is currently open for upcoming CE Trainings, with 2 classes already full for December 2021, but there are spots on the wait lists available should you be interested. The September class was re-scheduled for a 2<sup>nd</sup> class offering in December. For greater social distancing, we have rented space to host the December classes at the Lacey Community Center. There are two more classes scheduled for February & May 2022 which we plan to have at our CRAB office in Olympia. You can register on the CRAB website at <https://www.crab.wa.gov/engineering/resources/county-engineer-training>.

<u>Date:</u>	<u>Location:</u>	<u>Max Participants</u>	<u># Registered</u>	<u># Waitlisted</u>
December 7-9, 2021	Lacey	12	12	3
December 14-16, 2021	Lacey	12	12	1
February 8-10, 2022	Olympia	12	11	1
May 3-5, 2022	Olympia	12	11	0

Staff Contact: Derek Pohle, P.E. [derek.pohle@crab.wa.gov](mailto:derek.pohle@crab.wa.gov)

#### **BOCC Training**

A recorded Board of County Commissioner (BOCC) Training is available to view on-line at CRAB's website under Engineering page on Resources tab: [BOCC Training | CRAB \(wa.gov\)](https://www.crab.wa.gov/engineering/resources/bocc-training). CRAB Staff plan to add a BOCC training via Zoom sometime in February-March 2022.

Staff Contact: Derek Pohle, P.E. [derek.pohle@crab.wa.gov](mailto:derek.pohle@crab.wa.gov)

### Design and UAS Systems Training

An AutoCAD Civil 3D class was held in the CRAB Training Room on July 20-22, 2021 with seven participants. No further in-person learning has been scheduled for the remainder of 2021. Staff is hoping to begin offering in-person training by early 2022. Staff Contact: Brian Bailey [brian.bailey@crab.wa.gov](mailto:brian.bailey@crab.wa.gov)

### 2022 Road Design Conference

Check out CRAB's website at [bit.ly/RDC-2022](https://bit.ly/RDC-2022) for more details about the upcoming 2022 Road Design Conference scheduled for March 2022.

### GIS-Mo Training

Further GIS-Mo training will be accomplished in individual or small group settings as needed. Staff Contact: Mike Clark [mike.clark@crab.wa.gov](mailto:mike.clark@crab.wa.gov)

## INFORMATION SERVICES UPDATE

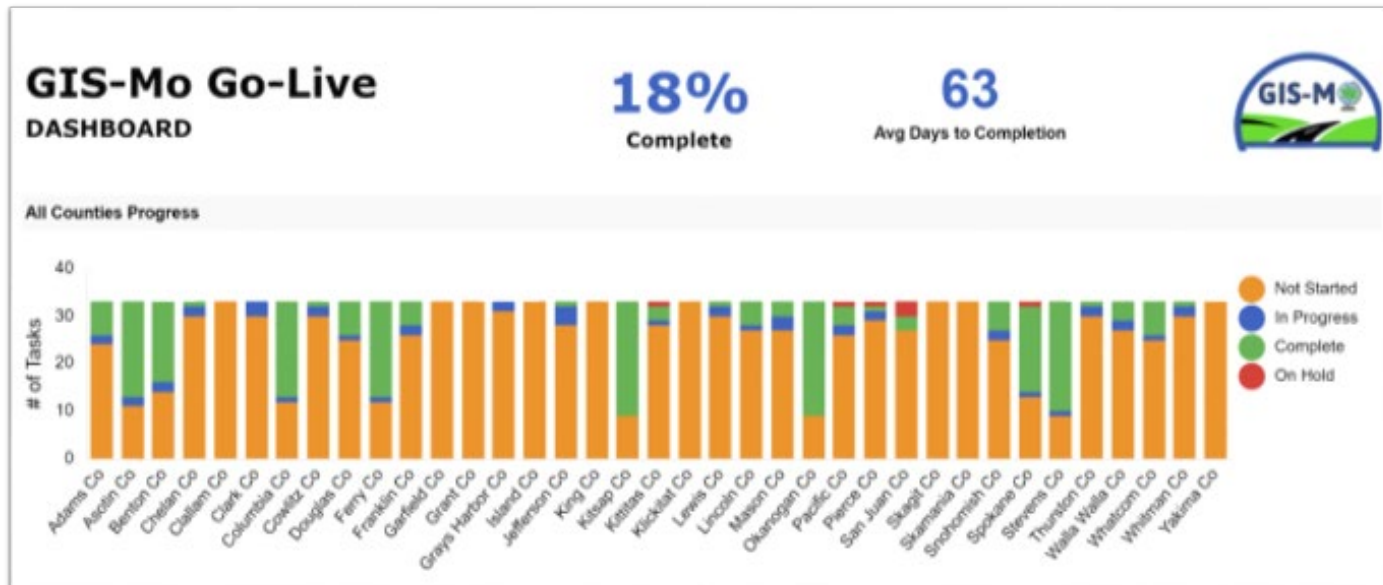


This past quarter we have been extremely busy trying to finish the GISMo project. All members of the IT staff have worked hard on this project. We have moved to an Agile workflow to help us organize, stay on track, and project the future of the project. This has greatly aided us in being able to manage this project. The project has met the OCIO oversight requirement so oversight on the project is now over.

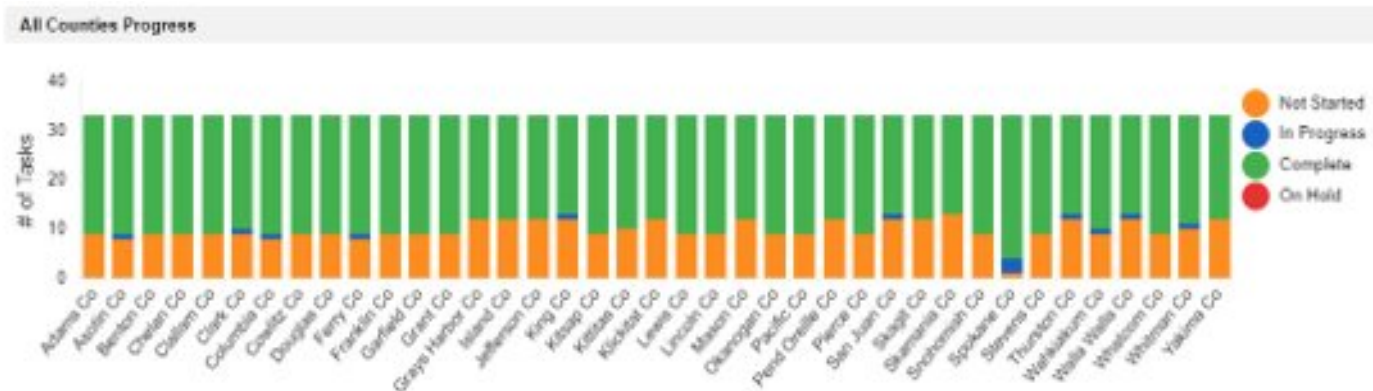
### Accomplishments:

- Stood up all 39 VUEWorks sites for each county.
  - Developed project county launch schedule using Agile project management.
- Developed new features for GISMo
  - Developed and implemented an Audit Trail.
  - Developed a data import/export tool.
  - Expanded budget forecasting.
  - Utilized testing strategies to verify expected behavior of new features
- Developed over 300 total reports for counties, and more on the way.
- Fully integrated with SAW authentication, meeting OCIO requirement.
- Began fully launching the entire GISMo system to the first counties.
  - Full launch gives counties access to the Road Log portion of the application.

STATUS APRIL 27, 2021



STATUS OCTOBER 21, 2021



**What's Next ---**

- We expect to have all counties soft launched in late December.
  - We expect all counties to be fully deployed shortly after.
- Training with counties is beginning
  - Individualized, one-on-one training will be available by request.
  - Developing process-oriented webinars for future training.
- More features to be added to GISMo.
  - Budget Forecasting
  - Import/Export tool deployment.
  - More custom reporting.
  - Planning for more features post-launch completion.
- Developing long term support plan.

**Additional IT Security Activities**

- Completed annual asset inventory
- Completed Annual IT Certification from OCIO
- Updated Disaster Recovery Manual
- Overhauled the Security Program for OCIO policy 141.10 compliancy in prep for our tri-annual IT Security Audit
- Working with TIB to complete the tri-annual Security Audit in October.
- Updated the IT Portfolio
- Rotated CRAB training room workstations and remote training machines
- Completed workstation deployment
- Department of Military interactions for Emergency Planning
- Spoke with RCO with ESRI reps about our project and how trails across the State might adopt a similar platform for stakeholders
- Story Map project had meetings with two companies and are planning the scope for RFP
- CARS/RAP Online replacement project is in the pre-planning phase

The IT staff continues to reorganize their duties. Staff professional development is encouraged and supported. System security continues to be updated and monitored regularly.

Staff Contact: Tommy Weed [tommy.weed@crab.wa.gov](mailto:tommy.weed@crab.wa.gov)

**Strategic Plan & Performance Measures**

Service requests resolved in developing uniform and efficient transportation-related information technology resources.

4<sup>th</sup> quarter update here  
 Annual update here  
**84.8%** (125 submitted, 106 resolved)

Percent of Agency systems up-time during operational hours (6 AM – 6 PM, M-F).

4<sup>th</sup> quarter update here  
 97.8325%  
 Annual update here  
**99.98088% uptime**

Staff Contact: Tommy Weed [tommy.weed@crab.wa.gov](mailto:tommy.weed@crab.wa.gov)



## DESIGN AND UAS SYSTEMS UPDATE

### DESIGN SYSTEMS

#### ➤ Training Program

- CRAB provided one in-person training event at our training facility in Olympia. This three-day training was attended by 7 county staff from Mason, Ferry, Thurston, and Island Counties. In total, we provided 140 person-hours of in-person training.

#### ➤ Software Support

- Design Systems provided minimal assistance to county design staff through CRAB-NET support ticketing during the quarter. There was a slight up-tick from last quarter. This can be attributed to conversations with counties where we have emphasized the need for staff to submit their questions via the CRAB-Net support tickets.

#### ➤ Pinnacle Series LMS

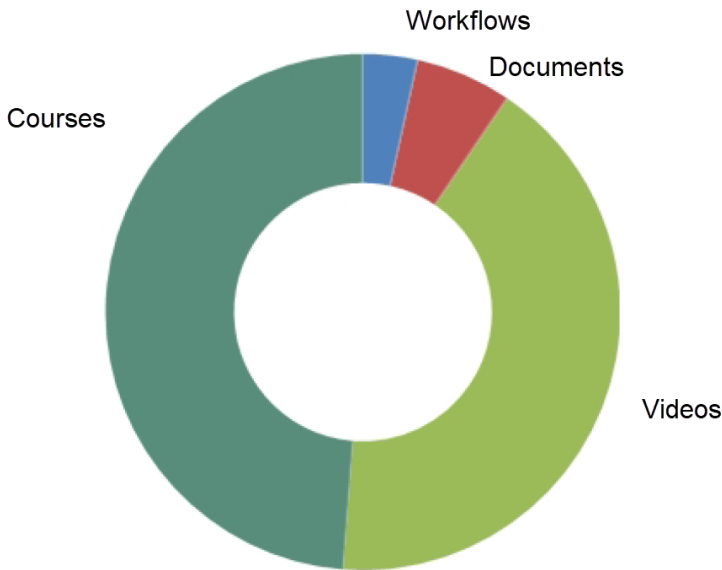
- CRAB continues to add help documents and videos in support of Sincpac tools for Civil 3D.
- CRAB held two LMS scheduled events that attracted 34 and 48 users per event respectively. As in past quarters, each event has increased average use of the platform following the events.
- 2021 3<sup>RD</sup> quarter performance
  - The platform has 784 registered users and has had 168 unique active logins during the period. The total number of users had decreased as a result of invalid email address for users.
  - Users have accessed 695 individual assets and 339 learning path courses.
  - Of the assets accessed, 159 were CRAB's custom content in support of GIS-Mo, RAP Online, CARS and Sincpac.
- Using imputed averages for assets and courses, CRAB provided approximately 200 person-hours of training.



## Resource Access/Use

Content items and features access/used by Resource during the period.

**Period:** 7/1/2021 - 9/30/2021  
**Report Date/Time:** 10/12/2021 1:09:05 PM



Summary		
<b>Workflows:</b>	24	(3.45%)
<b>Documents:</b>	42	(6.04%)
<b>Videos:</b>	290	(41.73%)
<b>Courses:</b>	339	(48.78%)
<b>Total:</b>	695	

Summary	
<b>Current Registered Users:</b>	784

Summary	
<b>Total Unique Sign-ins:</b>	168

In comparison to previous quarters, user logins have been consistent a small variance. A small decrease in consumed content may be attributed to increased staff leave during the summer months. The number of average users per day has maintained consistent through the quarters.

### UAS Program

In September, CRAB flew a mission with Skagit County. This mission consisted of acquiring imagery of a debris pile that had formed at the base of several piers of a county owned bridge on the Skagit River. The county wanted to quantify the mass before the rainy season and compare it with a flight next spring. The use of a drone in this instance exemplifies the cost savings and safety improvements for survey staff that the county would normally incur to quantify such a project.

For this project, CRAB used it's newly aquired 20 megapixel camera for improved ground sampling distance. This improvement allows each pixel in the image to represent an approximate one-half inch measurement. In comparison, our original camera represented an approximate 3.5 inch measurement.



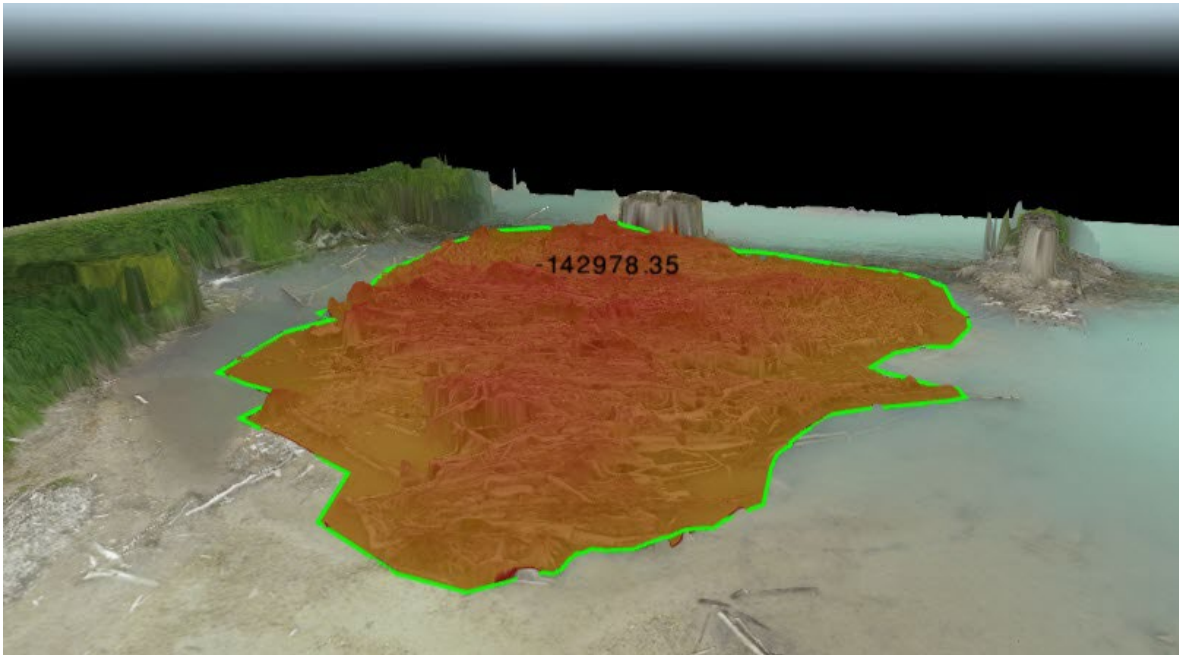
FIGURE 1 - SKAGIT COUNTY PROJECT LOCATION



FIGURE 2 - SKAGIT RIVER TRAIN TRESTLE AT SR9



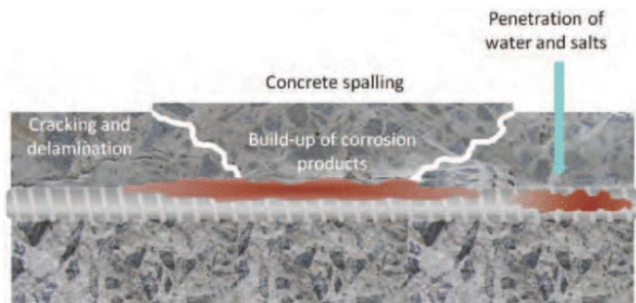
**FIGURE 3 - WOODY DEBRIS PILE QUANTITY**



Looking forward to the next quarter, CRAB will be working with Spokane County with our newly acquired FLIR thermal camera. In this study, we hope to analyze the temperature difference of a bridge deck to show areas of potential delamination.



**FIGURE 4 - CORROSION PROCESS**

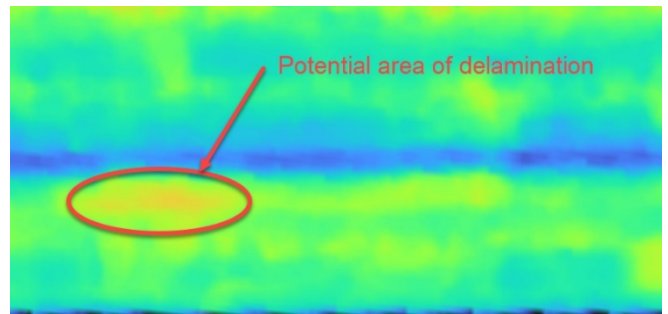


This image shows the air gaps that can appear with these types defects.

This air in the cracking is typically warmer than the surrounding concrete and can show up as hot spots on the deck.

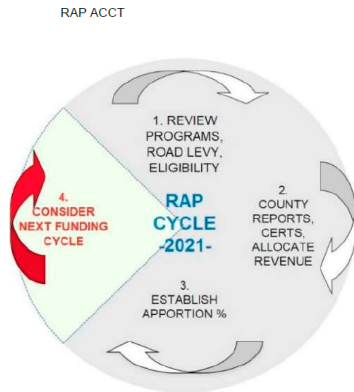
CRAB will report further on this proof-of-concept project next quarter.

**FIGURE 5 - BRIDGE DECK THERMAL IMAGE**



Staff Contact: Brian Bailey [brian.bailey@crab.wa.gov](mailto:brian.bailey@crab.wa.gov)

## RURAL ARTERIAL TRUST ACCOUNT (RATA) ACTIVITY AND BALANCE SUMMARY



### RURAL ARTERIAL PROGRAM October 2021

Design  
27%

Construction  
11%

Projects Funded  
2009 - 2023

No RATA  
Claimed 8%

Complete  
47%

Awaiting  
Closeout 7%

### PROJECT STATUS:

Billing Phase	'83-'09	'09-'11	'11-'13	'13-'15	'15-'17	'17-'19	'19-'21	Current Biennium '21-'23	TOTAL
Completed	1002	37	2	42	18	11	1		1113
Awaiting Closeout		1		4	1	8	2		16
Some RATA paid	1	1		4	22	22	34	6	90
No RATA Paid						1	6	12	19
<b>TOTAL</b>	1003	39	2	50	41	42	43	18	1238

### FUND STATUS:

<b>Anticipated Revenue to end of '21 - '23 Biennium:</b>		
Fuel tax receipts and interest through June, 2021		644,127,088
<b>Estimated</b> fuel tax, int, Elect Vehicle overages and <b>MVA Transfers</b> July '21 thru June '23		48,497,800
Total estimated revenue		<b>692,624,888</b>
<b>RAP Expenditures to date:</b>		
To Completed Projects		579,085,538
To Projects in Design or Under Construction		37,058,651
Administration		13,129,145
Total RATA spent		<b>629,273,333</b>
<b>RAP Obligations:</b>		
RATA Balance on Active Projects		114,624,901
RATA \$ yet to allocate to Partially funded projects -		17,295,949
Requests for reimbursement - pending		2,883,916
Estimated remaining administration through 2021- 2023 biennium		1,049,172
Total RATA obligated		<b>135,853,938</b>

### QTR 3 - 2021 RATA ACTIVITY:

REVENUE MONTH	BEGINNING BALANCE	MVFT REVENUE	INTEREST + Cash Rcpts	PROJECT PAYMENTS	#	ADMIN CHARGES	ENDING BALANCE
July	\$16,306,806.51	\$2,232,848.90	\$6,763.66	(144,644.27)	12	(45,472.72)	\$18,356,302.08
August	\$18,356,302.08	\$1,693,628.50	\$6,473.27	(275,682.04)	19	(39,355.52)	\$19,741,366.29
September	\$19,741,366.29	\$2,795,639.77	\$5,906.55	(3,386,155.79)	39	(47,491.87)	\$19,109,264.95
<b>TOTALS:</b>		\$6,722,117.17	\$19,143.48	(3,806,482.10)	70	(132,320.11)	