

# COUNTY ROAD ADMINISTRATION BOARD

JOHN KOSTER, EXECUTIVE DIRECTOR

## CRAB QUARTERLY REPORT

Issue 28

October 2018 – January 2019

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## JANUARY 2019 CRABOARD MEETING

### Next CRABoard Meeting

The CRABoard will meet on April 25-26, 2019 in Olympia at the CRAB Office.

Meeting agendas are posted five days prior to the next CRABoard meeting. The past agendas and meeting minutes can also be found at the following link:

<http://www.crab.wa.gov/CRABoard/meetings/meeting.cfm>

Staff Contact: Karen Pendleton, [Karen@crab.wa.gov](mailto:Karen@crab.wa.gov), (360) 350-6077

### CRAB Legislation

Staff reported on HB1020. This bill proposes changes to RCW 36.78.040 relating to modifying the qualifications of CRABoard members composition. The bill changes the population thresholds to the following:

- Three members representing a population = 150,000 +
- Four members representing a population = 30,000 – 150,000
- Two members representing a population = less than 30,000

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### Public Hearing

AT 2:00 PM on Thursday, January 24, 2019, the CRABoard held a public hearing to consider adopting changes to the following WAC rules:

Amending WAC 136-130-020 will better define priorities by project type for the Rural Arterial Program and amending WAC 136-161-080 will better define project eligibility for RATA funding.

Housekeeping amendments to WAC's 136-12-020, 12-030, 12-045, 12-060, 12-070, 12-080, 14-010, 14-020, 14-030, and 14-040.

Adding a new section 136-15-055 Modification of program.

The only public comment received was from Wendy Clark of Jefferson County via e-mail received January 7, 2019. Mr. Hart responded to Ms. Clark's e-mail and she had no additional questions/comments.

After discussion, the Board approved the proposed WAC changes with a minor modification to WAC 136-15-055. These changes will be posted to CRAB's website at [www.crab.wa.gov](http://www.crab.wa.gov). Staff Contact: Karen Pendleton, [Karen@crab.wa.gov](mailto:Karen@crab.wa.gov), (360) 350-6077

**County Engineer/PWD Changes**

Staff reported the following changes since October 2018:

**Columbia County**

Columbia County appointed Charles Eaton, PE to begin as County Engineer on December 1, 2019. Grant Morgan, PE will continue as Acting County Engineer until Mr. Eaton receives his Washington State PE license through comity.

**Mason County**

Mason County appointed Diane Sheesley, PE as County Engineer effective December 10, 2018. *Staff Contact: Walt Olsen, P.E. [Walt@crab.wa.gov](mailto:Walt@crab.wa.gov), (360) 350-6080*

**Summary of State Auditor’s Reports Findings**

Staff reported that sixteen county audit reports representing fourteen counties have been reviewed since the October 2018 Board meeting. Four audits contained a total of four findings issued and none involved County Road Funds. *Staff Contact: Walt Olsen, P.E. [Walt@crab.wa.gov](mailto:Walt@crab.wa.gov), (360) 350-6080*

**Review of revised RAP funding Arrays**

After review of the six-year road programs submitted by the counties on December 31, 2018, CRAB staff found 10 projects that were submitted on the proposed array (reviewed at the October 2019 CRABoard meeting) but were not included on the 6 year programs.

These were:

County	Project	BMP	EMP	COST	RATA REQ
Island	Arrowhead Road	0.02	1.39	3,790,000	1,000,000
Island	Main Street Freeland	0.00	0.21	462,000	415,000
Island	Morris Road	2.15	3.50	440,000	259,000
King	Beall Rd SW	0.42	0.47	575,000	100,000
King	NE Cherry Valley Rd	0.56	0.58	1,250,000	220,000
King	SE 384 St	1.21	1.29	1,025,000	180,000
King	SE Reinig Rd	1.51	1.53	1,500,000	300,000
Snohomish	Woods Creek Road	3.17	3.29	818,000	700,000
Kittitas	Kachess Lake Rd Culvert	2.50	2.52	930,000	765,000
Yakima	N. Wenas Road	5.17	6.36	2,314,000	2,082,600

The above projects were dropped from the arrays as being ineligible for RATA funding per WAC 136-161-060.

**RAP Project Actions by CRAB Staff since October 2018:****Clallam County – Dry Creek Road:**

The county submitted a request for a scope change for its RAP funded Dry Creek Road, on January 2, 2019. The change requested the milepost limits be revised from 0.10 – 0.68 to 0.00 – 0.68, to match the project detail shown in the county 6-year TIP, submitted December 31, 2018. The county noted that indeed the limits needed to be increased so the county could improve the road all the way to its intersection with SR 101, at milepost 0.00. The CRAB Director sent an approval letter on January 8, 2019 approving the change, citing that the new limit was an improvement to the project and that the project ranking remained the same. CRAB staff forwarded an amendment allowing the change in scope.

**Columbia County - Lower Hogeye Road:**

The county requested, per its December 18, 2018 letter, that the CRAB director grant a two year extension to the start of construction. The project was facing lapsing on April 18, 2019. The county cited loss of key staff, including the county engineer and design engineer, as well as a heavier than normal project load (including 6 RAP projects). The CRAB director approved this request, revising the new construction lapsing date to April 18, 2021. The project must commence construction by that date to retain RATA funding.

**Asotin County – Snake River Road**

This project was scheduled to lapse in commencing the final phase of construction on April 16, 2019 (start of construction was set at April 16, 2017, when the county began materials processing for the construction project). However, no initial phases (County Forces Construction, Small Works Roster selection, or Contractor Bid Construction) had been entered into RAP Online, therefore the two year phasing deadline was not set (CRAB became aware of this when the county requested to use some of the materials on another RAP project). To encourage movement to full road construction, the CRAB director informed the county on January 23, 2019, that CRAB would input the initial phase of construction as starting April 16, 2019, requiring the final phase to commence by April 16, 2021.

**Board Actions:**

The Board approved apportionment to the five RAP regions the RATA funds deposited into the account in November and December 2018. This amounted to \$3,395,084.

\$32,282 was set aside for administration of these funds by CRAB.

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## TRAINING

### CRAB Training Schedule January 2019 – April 2019

Date	Subject	Location
January 30-31	InfraWorks 360 Training	CRAB Offices
February 12-13	UAS (aka Drone) Pilot Training	CRAB Offices
March 13-15	AutoCAD Civil 3D for Surveyors	CRAB Offices
April 10-12	AutoCAD Civil 3D for Engineers	CRAB Offices
April 30-May1	UAS (aka Drone) Pilot Training	Location TBA

Staff Contact: Jim Ayres, P.E. [JimA@crab.wa.gov](mailto:JimA@crab.wa.gov), (360) 350-6091 (AutoCAD Civil3D/UAS Training)

## DESIGN SYSTEMS UPDATE

CRAB Design Systems training program is in high gear so far this new year with a couple classes already completed and 4 more on the agenda. County engineers, surveyors, drafters, and GIS employees learn new skills and boost their productivity with training from CRAB Design Systems program.

One of the training classes new to the Design Systems lineup is a program created by Autodesk Software called InfraWorks. The InfraWorks software is a planning and design platform that enables county engineers to quickly and easily convey preliminary design intent in a real-world, contextual environment, increasing stakeholder buy-in and team decision-making within their counties.

It leverages off of rich data sources such as county GIS files which equips county engineers with the industry's most compelling conceptual design tool.

In years past trying to integrate County geographic information system (GIS) with AutoCAD 3D model-based design was a real challenge. The ability to aggregate data and visualize multiple sources of information is crucial for decision making within county organizations. With ArcGIS Online and InfraWorks software, they now have the edge: the ability to easily aggregate tax parcel info, right of way, easements, and other public data previously locked in GIS files or servers. For urban development, environmental planning, or capital projects, this capacity can enhance the value of County GIS data to create rich 3D design models for critical infrastructure projects. In CRAB's training class, we demonstrate the use of InfraWorks software to aggregate ArcGIS Online. Counties learn how to configure ArcGIS orthophoto and terrain services for use in InfraWorks. Finally, we demonstrate the process using a specific road-design example from a large County.

Listed in the table of scheduled classes you will see that we have that class and another great lineup of classes available and ready for enrollment. See you soon!

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## INFORMATION SERVICES UPDATE

CRAB Information services realized several significant milestones in the 4<sup>th</sup> quarter of 2018. First, CRAB launched its' new website December 22, 2018. One objective for the new website was to adopt a responsive design so the site will expand and shrink depending on the size of the screen for a better viewing experience on both desktop and mobile devices. The new website was also designed to meet ADA accessibility standards, improve presentation for locating valuable content, and add a more robust search tool. CRAB would like to recognize the tremendous job-well-done by CRAB's own Jim Oyler, Web and Training Strategist, who designed, developed, and managed the website replacement project expertly. CRAB would also thank Whitman County Engineer, Mark Storey, P.E., for providing the stunning photography used throughout the new website. For more information about the new Website, please contact Jim [jimo@crab.wa.gov](mailto:jimo@crab.wa.gov).

GIS-MO, the Mobility© replacement project, kicked-off the vendor services portion of the project on November 7, 2018. The vendor services portion of GIS-MO is planned to closeout in October 2019. The initial planning and documentation task for the *GIS Tool* phase of the project resulted in a recommendation that CRAB seriously consider Esri's Roads and Highways extension as the solution to managing the linear data of Mobility© in a spatial environment. This is not the first time CRAB has reviewed this product, however, the architecture recommended vastly lowers the necessary licensing, improving the feasibility of this direction.

CRAB will continue to work with vendors, counties, staff, and other key stakeholders to implement a spatial asset management system with mobile capabilities for roadways and roadway assets by 2021. To stay informed, GIS-MO monthly QA and Project Management (PM) status reports will be available on the OCIO IT Project Dashboard <http://waocio.force.com/>.

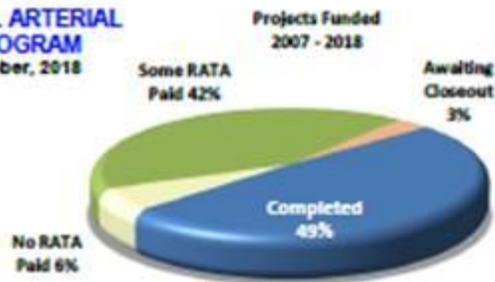
As mentioned in previous quarterly reports, CRAB began moving to a virtual server environment. We are currently 90% virtual with just our production SQL server remaining to be virtualized. Kathy O'Shea, Database Administrator, has migrated approximately 70% to a virtual environment, with the remaining 30% planned to be completed in 1<sup>st</sup> quarter 2019.

The completion of the SQL migration to a virtual environment is critical to the Agency efforts to comply with State OCIO Policy 184, which requires all State agencies to relocate physical servers offsite by June 30, 2019. After carefully evaluating a physical migration to the State Data Center and several major cloud providers, CRAB has determined migration to the WaTech *Private Cloud* to be the right fit. Key aspects of this decision included cost competitiveness and straight-forward pricing, flexibility, and a technical support team to assist in the migration. CRAB is in the final planning stages with WaTech and plans to begin migration in 2<sup>nd</sup> quarter 2019. *Staff Contact: Eric Hagenlock, [Eric@crab.wa.gov](mailto:Eric@crab.wa.gov), (360) 350-6088*

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



## RURAL ARTERIAL PROGRAM October, 2018



**PROJECT STATUS:**

Billing Phase	'83-'07	'07-'09	'09-'13	'13-'15	'15-'17	Current Biennium '17-'19	TOTAL
Completed	958	41	35	26	7		1067
Awaiting Closeout		2	0	3	2		7
Some RATA paid	1	1	7	20	33	32	94
No RATA Paid				1	2	10	13
<b>TOTAL</b>	<b>959</b>	<b>44</b>	<b>42</b>	<b>50</b>	<b>44</b>	<b>42</b>	<b>1181</b>

## FUND STATUS:

<b>Anticipated Revenue to end of '17 - '19 Biennium:</b>		
Fuel tax receipts and interest through June, 2017		562,159,348
Estimated fuel tax receipts, interest and CW Transfers July 2017 thru June 2019		46,411,600
<b>Total estimated revenue</b>		<b>608,670,948</b>
<b>RAP Expenditures to date:</b>		
To Completed Projects		526,056,026
To Projects in Design or Under Construction		32,593,722
Administration		11,494,529
<b>Total RATA spent</b>		<b>670,144,277</b>
<b>RAP Obligations:</b>		
RATA Balance on Active Projects		101,188,248
RATA \$ yet to allocate to Partially funded projects -		12,340,938
Requests for reimbursement - pending		1,031,163
Estimated remaining administration through 2017- 2019 biennium		383,247
<b>Total RATA obligated</b>		<b>114,943,696</b>

## QTR 3 - 2018 RATA ACTIVITY:

MONTH	BEGINNING BALANCE	MVFT REVENUE	INTEREST + Cash Receipts	PROJECT PAYMENTS	#	ADMIN CHARGES	ENDING BALANCE
July	\$23,100,869.19	\$1,467,863.15	\$26,635.84	(1,127,323.15)	13	(47,933.80)	\$23,428,131.23
August	\$23,428,131.23	\$1,976,022.26	\$29,802.07	(862,455.58)	37	(49,424.42)	\$24,522,075.56
September	\$24,522,075.56	\$1,792,569.86	\$29,890.06	(6,899,661.24)	20	(47,313.33)	\$19,427,530.91
<b>TOTALS:</b>		<b>\$5,236,455.27</b>	<b>\$85,327.97</b>	<b>(8,889,459.97)</b>	<b>70</b>	<b>(144,671.55)</b>	

10/16/2018

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