

**AMENDMENT NO. 3 TO MASTER CONTRACT FOR AN AUTOMATED VEHICLE  
LOCATION SYSTEM, HOSTED SOFTWARE, AND SERVICES AGREEMENT  
BETWEEN SNOHOMISH COUNTY AND RADIO SATELLITE INTEGRATORS, INC.**

Snohomish County hereinafter referred to as the "County" and the undersigned, hereinafter referred to as the "Contractor", desire to amend the contract executed on August 29, 2012, as amended by Amendment No. 1 on December 11, 2012 and Amendment No. 2 on October 8, 2013, and identified as the Master Contract For An Automated Vehicle Location System, Hosted Software, And Services Agreement Between Snohomish County And Radio Satellite Integrators, Inc. (the "Master Contract"). All provisions in the original contract remain in effect except as expressly modified by this amendment.

The changes to the contract are described below.

1. Paragraph B section 12. Recitals, is amended to read as follows:

**1. RECITALS**

A. In order to more efficiently manage its vehicle operations, the County desires to install and implement a new automated vehicle location and mobile data system for ~~((the County's department of Public Works))~~ County vehicles. This new system will provide the County with the tools for faster and more efficient dispatching along with real-time and historical data that can be used for a variety of administrative tasks or analysis.

2. Paragraph A section 8. Price and Payment, is amended to read as follows:

**8. PRICE AND PAYMENT.**

A. The County shall pay the Contractor One Hundred Fifty Seven Thousand Forty Five Dollars (\$157,045.00) for the Deliverables required to be provided by the Contractor through the end of the Warranty Period as stated in the schedule of payments described in Exhibit A. Costs for additional equipment provided by the Contractor shall not exceed ~~((Forty Six Thousand Six Hundred Twenty Dollars (\$46,620)))~~ Fifty Seven Thousand Nine Hundred Eight Dollars (\$57,908). Annual recurring charges for software subscription, support and maintenance services in years 2 through 5 shall not exceed ~~((One Hundred Twenty Thousand One Hundred Ninety Two Dollars (\$120,192) per year or))~~ a total of ~~((Four Hundred Eighty Thousand Seven Hundred Sixty Eight Dollars (\$480,768)))~~ Five Hundred Sixty Three Thousand Seven Hundred Eighteen Dollars (\$563,718). Washington State Sales Tax will be charged by the Contractor and paid by the County, in an amount calculated at 8.6% at a total not to exceed Sixty Six Thousand Nine Hundred Sixty Six Dollars (\$66,966).

3. The first and third paragraphs of section 3.2.1 In-Vehicle Equipment, of Exhibit A, are amended to read as follows:

**3.2.1 In-Vehicle Equipment**

In-Vehicle Equipment is centered on the RSI Mobile Unit, a self-contained "black box" device integrating GPS location and sensor technologies, as well as wireless communications. The RSI Mobile Subsystem consists of a RSI Mobile Unit; GPS and RF antennas and associated cabling;

all required data, sensor, and power connections. During the initial phase of the project, RSI will supply Snohomish County with all of these components for 178 vehicles, as listed in Appendix 3: Table 1: Solid Waste Division AVL Vehicle List and Appendix 4: Table 2: Road Maintenance AVL Vehicle List. After implementation of the initial phase of the project, the County may elect to install equipment in additional vehicles. RSI will supply the County with all of these components (~~for up to 135 vehicles,~~) at rates outlined in Section 13 of Revised Exhibit A, which is attached to this (~~Amendment No. 2~~) Amendment No.3.

During the initial phase of the project, RSI will provide Snohomish County with 178 mobile units that have 3 serial ports and up to 17 sensor inputs/outputs. The device is manufactured by CalAmp and is model number LMU-4200. After implementation of the initial phase of the project, RSI will provide the County (~~up to 135 of~~) the same mobile units, at rates outlined in Section 13 of Revised Exhibit A, (~~Amendment No. 2~~) Amendment No.3.

4. Section 3.2 Products, of Exhibit A, is amended to include section 3.2.8 Public Facing Map, and reads as follows:

#### 3.2.8 Public Facing Map

RSI shall provide two separate but similar publicly accessible AVL applications for Snohomish County: one for Snow & Ice Activity and one for Seasonal Activity. Each AVL application shall meet the General Requirements set forth in Section 3.2.8.1. One AVL application shall meet the Snow & Ice Activity Requirements set forth in Section 3.2.8.2, and one AVL application shall meet the Seasonal Activity Requirements set forth in Section 3.2.8.3.

##### **3.2.8.1 General Public Facing Map Application Requirements:**

- The Public Map Applications will show only those vehicles within a group that is specifically designated as an appropriate public group. The group or groups designated for viewing will be configured by RSI. The grouping of vehicles will be controlled by the County's administrative users.
- The Public Map Applications will not show vehicle activity within County designated geofence areas. Those designated areas will be those geofences with names that contain the string SC.
- Public Map Users will not have access to areas of the County's AVL application other than the two pages specifically set up for public viewing. The Public Map Applications will not have any links or menus with access to the Tracking, Reporting, or Administrative pages.
- The Public Map Applications will not include the Messages or Alerts tabs.
- Public Map Users will not have access to detailed vehicle information such as ID, status, driver, time of fix, etc. Map tools will not include any windows, tables, or tools used for identification of vehicles or access to tabular data, and vehicle-specific information (such as ID) and labels will not be shown on the public display.
- Vehicle Icon symbology will change based on the age of the record. As vehicle records age, they will fade with increasing transparency.
- Public Map Applications layers will include the vehicle layer, Snow Routes layer, imagery, ESRI Street map, and the Snohomish County AVL base layer.
- The Public Map Applications will not have a login prompt for public users.

- The Public Map Applications are not required to update dynamically; it is acceptable that the end user is required to manually refresh the screen to update the information being displayed.

**3.2.8.2 Snow & Ice Activity Specific Requirements:**

- The Snow and Ice Application will show vehicle travel paths generated over a period of time determined by the County but configured by RSI. For example, the system can be configured so that it will not show records older than 24 hours or newer than 20 minutes – with either limit determined by the county and configured by RSI.
- The Snow and Ice Application will show vehicle paths regardless of whether a vehicle sensor event is active. The Snow and Ice Application will not show vehicle event/sensor activity details of the plows or spreaders.

**3.2.8.3 Seasonal Activity Specific Requirements:**

- The Seasonal Activity Application will only show vehicle locations for which there is sensor event activity such as brush down and blade on, and will not show vehicle paths where no vehicle sensor event is active.
- The Seasonal Activity Application will allow the Public User to view activity by selecting a date range with configurable limits such as April 1st and October 31st of the current year, to view vehicle sensor event activity (which will depict mowing or sweeping). In addition, the application will not allow the display of records that are less than one day old.
- Vehicle layers will be selectable based on activity type such as mowing and sweeping.

5. The title of section 3.5.2 Integration to MaintStar Work Management System, is amended to read as follows:

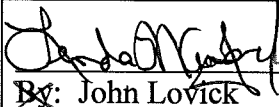
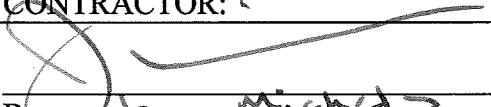


3.5.2 Integration to ((~~MaintStar~~)) Work Management System

6. Section 3.5 Out of Scope, subsection 3.5.3 Snow and Ice Roadway Treatment Public Facing Map, of Exhibit A, is deleted in its entirety.

7. Section 13 Costs, of Exhibit A, is deleted in its entirety and replaced with Section 13 of Revised Exhibit A, which is attached hereto and incorporated herein by this reference.

*[The remainder of this page is intentionally left blank.]*

IN WITNESS WHEREOF, the parties execute this Amendment No.3 this 29<sup>th</sup> day of September, 2014.

COUNTY OF SNOHOMISH:	CONTRACTOR:
 By: John Lovick Snohomish County Executive	 By: Don Michals Title: Vice President, Government
Approved as to Snohomish County Code Section 2.350:  By: Gage Andrews Director of Information Services	
Approved as form:  Deputy Prosecuting Attorney	

COUNCIL USE ONLY  
Approved: 9-24-14  
Docfile: D-1



**Radio  
Satellite  
Integrators, Inc.**

**Snohomish County  
STATEMENT OF WORK- AVL System  
RFP-13-11  
April 2012**



**13 Costs**



**Radio  
Satellite  
Integrators, Inc.**



**SNOHOMISH COUNTY**

**Snohomish County  
Price Proposal - RFP 13-11  
GPS-AVL Tracking System**

07/01/14

<b>IN VEHICLE EQUIPMENT</b>				<b>RSI HOSTED</b>
quantity		per unit		total
178	RSI MOBILE UNITS <i>RSI Mobile Units Configured for AT&amp;T GPRS Includes: GPS/RF Antennas, Mount, and Cabling QTY discount: \$315 each for qty over 225.</i>	\$ 350 each	\$	62,300
5	SPARE RSI MOBILE UNITS	\$ 350 each	\$	1,750
14	Dickey-JohnSpreader/Controller Interface Add-on <i>*may be compatible but different unit from above.</i>	\$ 595 each	\$	8,330
4	Raven Anti-Icing DCS410 Controller Interface Add-on <i>*may be compatible but different unit from above.</i>	\$ 595 each	\$	2,380

<b>TRAINING &amp; OTHER START UP COSTS</b>			
quantity		per unit	total
4	DAYS OF ON-SITE SYSTEM TRAINING <i>Includes software and installation training.</i>	\$ 1,250 each	\$ 5,000
1	LOT TRAVEL	\$ 1,500 each	\$ 1,500
1	LOT SHIPPING	\$ 1,250 each	\$ 1,250

**TOTAL START UP COSTS \$ 82,510**

<b>ADDITIONAL IN VEHICLE EQUIPMENT</b>			
quantity (up to but not exceeding)		per unit	total
42	RSI MOBILE UNITS	\$ 350 each	\$ 14,700
128	RSI MOBILE UNITS (discount) <i>RSI Mobile Units Configured for AT&amp;T GPRS Includes: GPS/RF Antennas, Mount, and Cabling QTY discount: \$315 each for qty over 225 (combined total).</i>	\$ 315 each	\$ 40,320
5	SPARE RSI MOBILE UNITS	\$ 315 each	\$ 1,575
0	Dickey-JohnSpreader/Controller Interface Add-on <i>*may be compatible but different unit from above.</i>	\$ - each	\$ -
0	Raven Anti-Icing DCS410 Controller Interface Add-on <i>*may be compatible but different unit from above.</i>	\$ - each	\$ -
175	SHIPPING (per unit)	\$ 7.50 each	\$ 1,313

**MAXIMUM ADDITIONAL EQUIPMENT COSTS \$ 57,908**

<b>MONTHLY RSI WEB TRACKING SERVICE FEES</b>			
quantity (up to but not exceeding)		per unit	total
348	RSI AVL WEB SAS TRACKING MONTHLY FEE <i>Includes Web browser tracking &amp; reporting and wireless plan. Hosted off site by RSI Fees based on per vehicle per month Assumes 30 second update rate QTY discount: \$32 per month for qty over 225 (\$35 per month if qty drops below 225). Service fee rates will remain fixed for the life of the contract. (min. 100 vehicles)</i>	\$ 32 each	\$ 11,136



**Radio  
Satellite  
Integrators, Inc.**

**Snohomish County**  
**STATEMENT OF WORK- AVL System**  
**RFP-13-11**  
**April 2012**



PUBLIC FACING AVL MAP FEES				
quantity			per unit	total
1	PUBLIC FACING AVL MAP ANNUAL FEE As per specification in SOW. Hosted off site by RSI Annual Fee for All Vehicles Includes maintenance and support	\$	15,000 each	\$ 15,000

RSI will honor all prices listed above for the duration of the contract plus optional extensions  
Includes all manuals and documentation  
CONFIDENTIAL