

RESOLUTION

ROCK COUNTY BOARD OF SUPERVISORS

Public Works Committee
INITIATED BY

Ben Coopman, Public Works Director
DRAFTED BY

Public Works Committee
SUBMITTED BY



October 6, 2010
DATE DRAFTED

AUTHORIZING THE PURCHASE OF AUTOMATED VEHICLE LOCATING EQUIPMENT AND AMENDING THE PUBLIC WORKS DEPARTMENT BUDGET

1 **WHEREAS**, the Wisconsin Department of Transportation has requested that Rock County
2 Department of Public Works install Automated Vehicle Locating (AVL) Equipment on the
3 County's snow plow equipment assigned to winter maintenance on State Highways throughout
4 Rock County; and,
5

6 **WHEREAS**, installing AVL equipment on other county snow plowing and maintenance
7 equipment is desirable at the same time to take advantage of volume purchasing; and,
8

9 **WHEREAS**, the cost of installing AVL equipment is recovered by reductions in operational costs
10 such as reduced salt usage, efficient assignment and routing of equipment and reduced overtime;
11 and,
12

13 **WHEREAS**, installing AVL equipment on Public Works vehicles and equipment will assist in
14 locating a Public Works' Employee who may need prompt emergency assistance; and,
15

16 **WHEREAS**, AVL equipment on Public Works vehicles will be a helpful management tool in
17 tracking and deploying our vehicles, especially during winter snow storms; and,
18

19 **WHEREAS**, the Wisconsin Department of Transportation through a one-time federal grant will
20 reimburse Rock County for one hundred percent (100%) of the purchase and installation costs and
21 the first year's operating costs for equipment assigned to state routes.
22

23 **NOW, THEREFORE, BE IT RESOLVED**, that the Public Works Department is hereby
24 authorized by the Rock County Board of Supervisors convened this 28th day of October,
25 2010, to undertake the first phase of a project to purchase and install up to eighty (80) AVL units on
26 its snowplow trucks and equipment at an estimated capital cost of \$92,000, an estimated annual
27 operational cost of \$20,000 in 2010 and a one-time reimbursement from the Wisconsin Department
28 of Transportation of \$59,600; and,
29

30 **BE IT FURTHER RESOLVED**, that the Department of Public Works Budget be amended as
31 shown below:
32

<u>Account No.</u>	<u>Budget</u>	<u>Increase/</u>	<u>Amended</u>
<u>Description</u>	<u>2010</u>	<u>(Decrease)</u>	<u>Budget</u>
Source of Funds:			
41-4300-4192-42200	-0-	5,000	5,000
State Aid			
41-4350-4280-42200	-0-	54,600	54,600
State Aid			
41-4350-4280-68109	(816,380)	(37,400)	(853,780)
Capitalization of Equipment Purchased			
41-4300-4192-46400	-0-	15,000	15,000
Funds Forward			

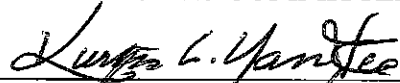
10-10B-167

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45	Use of Funds:			
46	41-4350-4280-67110	1,816,380	92,000	1,908,380
47	Capital Equipment			
48	41-4300-4192-62210	-0-	8,000	8,000
49	Telephone			
50	41-4300-4192-62422	15,751	12,000	27,751
51	Radio Repair & Maintenance			

Respectfully submitted,
PUBLIC WORKS COMMITTEE



Kurtis Yankee, Chair



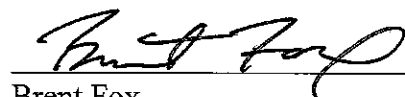
Betty Jo Bussle, Vice-Chair



Eva M. Arnold

ABSENT

David Diestler



Brent Fox

FINANCE COMMITTEE ENDORSEMENT

Reviewed and approved on a vote of 4-0.



Mary Mawhinley, Chair

ADMINISTRATIVE NOTE:

Recommended,



Craig Knutson
County Administrator

FISCAL NOTE:

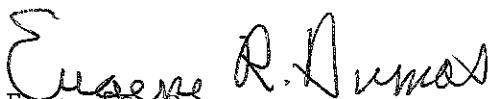
This resolution amends the DPW – Highway’s 2010 budget including \$59,600 in State Aid and a \$15,000 use of the Department’s Net Assets for the purchase and installation of up to 80 Automated Vehicle Locating equipment units. The balance of this project offsetting the equipment cost is from capitalizing the equipment purchases. The audited Net Assets for DPW - Highway at January 1, 2010 was \$7,767,598.



Jeffrey A. Smith
Finance Director

LEGAL NOTE:

The County Board is authorized to take this action by Wisconsin Statutes sections 59.51(2) and 59.52(19). As an amendment to the adopted 2010 County Budget, passage of this Resolution requires a 2/3 vote of the entire membership of the County Board, pursuant to sec. 65.90(5)(a).



Eugene R. Dumas
Deputy Corporation Counsel

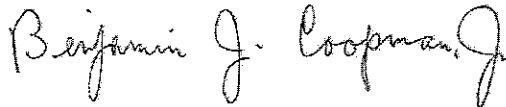
EXECUTIVE SUMMARY
FOR
AUTHORIZING THE PURCHASE OF AUTOMATED VEHICLE LOCATING EQUIPMENT
AND AMENDING THE PUBLIC WORKS DEPARTMENT BUDGET

The Wisconsin Department of Transportation (WisDOT) has received a federal grant for a pilot project to install Automated Vehicle Locating (AVL) equipment on snowplow equipment on state roads. Purpose of the pilot project is to verify that this equipment can reduce winter maintenance costs. Combining data gathered by the AVL equipment with weather prediction models has been shown in other states to reduce costs. These savings pay for the equipment in a very short period of time (estimated at two years or less) and continue to generate savings in future years.

WisDOT has requested that Rock County install AVL equipment on twenty trucks assigned to state routes in the county. The request is to install similar equipment on another sixty county snowplow trucks and equipment as an initial phase. Cost savings are anticipated to occur as the result of using less road salt, reducing hours of overtime and more effectively assigning personnel and equipment during emergencies.

Besides the winter maintenance implications, this AVL technology has an additional safety benefit to the DPW employees, as they can be located quickly and lent assistance should there be an emergency situation. The equipment will enhance management's ability to monitor and effectively dispatch equipment throughout the year, not just in winter. Documentation captured and stored from the system will also assist the County in reducing its liability risks.

Respectfully submitted,



Benjamin J. Coopman, Jr., P.E.
Director of Public Works

BJC/dal