

2011 Peer Exchange Management and Training Research Survey

Please provide some information about you and your agency. You may be contacted for further information and input in preparation for the 2011 Peer

Answer Options	Response Percent	Response Count
Name:	98.6%	71
State:	97.2%	70
Email Address:	98.6%	71
Phone Number:	95.8%	69
	<i>answered question</i>	72
	<i>skipped question</i>	1

Number	Response Date	Name:	State:	Email Address:	Phone Number:
1	Jun 20, 2011 7:28 PM	Cliff Spoonemore	WY	cliff.spoonemore@wyo.gov	307-777-6377
2	Jun 20, 2011 4:57 PM	Kevin BLoss	OK	kbloss@odot.org	405-521-2557
3	Jun 19, 2011 11:28 PM	Rick Nelson	NV	rnelson@dot.stste.nv.us	
4	Jun 17, 2011 9:22 PM	Rick Nelson	NV	Rnelson@dot.state.nv.us	
5	Jun 17, 2011 7:34 PM	Lonnie Hendrix	AZ	Lhendrix@azdot.gov	602-712-7972
6	Jun 17, 2011 3:22 PM	mark steven black	IA	mark.black@dot.iowa.gov	641-425-2234
7	Jun 15, 2011 9:07 PM	Charles C Goodhart	PA	cgoodhart@state.pa.us	717-78-6899
8	Jun 14, 2011 7:38 PM	David Blackmore	VT	david.blackmore@state.vt.us	802-655-1580
9	Jun 14, 2011 12:29 PM	Tim Croze	MI	crozet@michigan.gov	517 322 3394
10	Jun 14, 2011 2:24 AM	curt pape	MN	curt.pape@state.mn.us	651.366.3571
11	Jun 14, 2011 1:47 AM	Max Perchanok		max.perchanok@ontario.ca	416 235-4680
12	Jun 13, 2011 8:11 PM	Scott Capps	NC	scapps@ncdot.org	(919)733-3725
13	Jun 13, 2011 6:23 PM	Willard Thompson	MI	thompsonw@michgan.gov	517-750-0425
14	Jun 13, 2011 4:54 PM	Dennis Ortiz	NM	Dennis.Ortiz@state.nm.us	575-827-5498
15	Jun 13, 2011 4:34 PM	Allen Williams	VA	allen.williams@vdot.virginia.gov	540-387-5346
16	Jun 13, 2011 4:09 PM	AARON HORTON	DC	AARON.HORTON@DC.GOV	2026714679
17	Jun 13, 2011 3:51 PM	Carl High	AK	carl.high@alaska.gov	907-269-0783
18	Jun 13, 2011 3:10 PM	Dean VanDeWiele	SD	dean.vandewiele@state.sd.us	605.773.5586
19	Jun 13, 2011 2:14 PM	monty mills	WA	millsm@wsdot.wa.gov	
20	Jun 13, 2011 2:04 PM	Rich Clarke	UT	richardclarke@utah.gov	8019654120

21	Jun 13, 2011 1:47 PM	Jimmy Witherow	GA	jwitherow@dot.ga.gov	
22	Jun 13, 2011 1:41 PM	Robert P. Mongillo	CT	Robert.Mongillo@ct.gov	860-594-2604
23	Jun 13, 2011 1:32 PM	max perchanok		max.peerchanok@ontario.ca	416 235 4680
24	Jun 13, 2011 1:01 PM	Paul Brown	MA	Paul.Brown@state.ma.us	617-973-7792
25	Jun 13, 2011 12:55 PM	mike taylor	TX	mike.taylor@txdot.gov	806-356-3270
26	Jun 13, 2011 11:43 AM	Wayne Gammell	VT	wayne.gammell@state.vt.us	802-828-2691
27	Jun 13, 2011 10:26 AM	Shun L. Pringle	GA	springle@dot.ga.gov	7709861780
28	Jun 13, 2011 10:24 AM	Caleb Dobbins	NH	cdobbins@dot.state.nh.us	(603) 271-2693
29	Jun 8, 2011 4:25 PM	Joe Holt	TN	joe.holt@tn.gov	615-741-2027
30	Jun 2, 2011 10:13 PM	Marc Lipnick	MD	mlipnick@sha.state.md.us	410-582-5566
31	Jun 2, 2011 2:45 PM	Joseph D. Baker	RI	jbaker@dot.ri.gov	4017344807
32	Jun 1, 2011 2:07 PM	Chris Mundel	MT	cmundel@mt.gov	406-888-5666
33	May 31, 2011 6:55 PM	Eric Pitts	GA	epitts@dot.ga.gov	404-631-1387
34	May 31, 2011 4:03 PM	Greg Duncan	TN	Greg.Duncan@tn.gov	615.741.2027
35	May 31, 2011 1:41 PM	David C. Wieder	CO	david.wieder@dot.state.co.us	(303) 512-5502
36	May 29, 2011 4:00 PM	R. Mark DeVries	IL	rmdevries@co.mchenry.il.us	815-334-4975
37	May 26, 2011 12:18 PM	Douglas Graham	NH	dgraham@dot.state.nh.us	603-352-2302
38	May 26, 2011 1:26 AM	alastair probert	DE	alastair.probert@state.de.us	302-853-1305
39	May 25, 2011 3:49 PM	Brian Burne	ME	Brian.Burne@maine.gov	207-624-3571
40	May 25, 2011 1:51 PM	Annette Dunn	IA	annette.dunn@dot.iowa.gov	5152391355
41	May 24, 2011 8:58 PM	Kyle Stollings	WV	w.kyle.stollings@wv.gov	304.558.2901
42	May 24, 2011 6:54 PM	Tim Jackson	MO	timothy.jackson@modot.mo.gov	
43	May 24, 2011 3:41 PM	Steve Lund	MN	steven.lund@state.mn.us	651.366.3566
44	May 24, 2011 3:34 PM	Tony Sullivan	AR	tony.sullivan@ahtd.ar.gov	501-569-2231
45	May 24, 2011 3:31 PM	David Cook	SC	cookdb@scdot.org	803-737-1290
46	May 24, 2011 2:04 PM	doug tosten	PA	dtosten@state.pa.us	717 582-2191
47	May 24, 2011 1:29 PM	Justun Juelfs	MT	jjuelfs@mt.gov	406-444-7604
48	May 23, 2011 9:37 PM	Kyle DeMars	MT	kdemars@mt.gov	406-751-2010
49	May 23, 2011 7:10 PM	Mike Miller	MT	mikmiller@mt.gov	406-444-6991
50	May 23, 2011 5:43 PM	kathy ahlenius	WY	kathy.ahlenius@dot.state.wy.us	307.777.4264
51	May 23, 2011 4:55 PM	David Johnson	IL	david.b.johnson@illinois.gov	217-782-2984
52	May 23, 2011 4:47 PM	Brad Darr	ND	bdarr@nd.gov	701-328-4443
53	May 23, 2011 4:29 PM	Tim Peters	IL	tim.peters@illinois.gov	217-782-8419
54	May 23, 2011 3:57 PM	Jason Norville	PA	janorville@state.pa.us	717-787-7004
55	May 23, 2011 3:16 PM	Greg Parker	IA	gparker@co.johnson.ia.us	319-356-6046
56	May 23, 2011 2:43 PM	Phillip Anderle	CO	phillip.anderle@dot.state.co.us	970-350-2100
57	May 23, 2011 2:23 PM	Mike Adams	WI	michael.adams@dot.wi.gov	6082665004

58	May 23, 2011 1:21 PM	Troy Whitworth	KS	troy@ksdot.org	785-296-7140
59	May 23, 2011 12:28 PM	Dawn Gustafson	MI	gustafsond@michigan.gov	906-786-1800
60	May 23, 2011 12:12 PM	Michael Lashmet	NY	mlashmet@dot.state.ny.us	518-457-5796
61	May 23, 2011 11:21 AM	Travis Ray	WV	Travis.L.Ray@wv.gov	304-637-0220
62	May 23, 2011 11:10 AM	David Bowlby	NJ	David.Bowlby@dot.state.nj.us	609-352-8943
63	May 23, 2011 10:45 AM	Gabriel Guevara	DC	gabriel.guevara@dot.gov	2023660754
64	May 22, 2011 8:57 PM	Paul David Cornett	KY	davidp.cornett@ky.gov	502-564-4556
65	May 21, 2011 3:28 PM	Wilfrid Nixon	IA	wilfrid-nixon@uiowa.edu	319-335-5166
66	May 20, 2011 9:39 PM	Lee Smithson	IA	leland.smithson@dot.iowa.gov	515-239-1519
67	May 20, 2011 8:45 PM	Leigh Jones	UT	leighjones@utah.gov	8018873735
68	May 20, 2011 8:43 PM		UT		
69	May 20, 2011 8:16 PM	David Frame	CA	david.w.frame@dot.ca.gov	(916) 657-4911
70	May 20, 2011 7:37 PM	Mitch Turner	MS	mturner@mdot.state.ms.us	662-563-4541
71	May 20, 2011 7:23 PM	Steve Spoor	ID	steve.spoor@itd.idaho.gov	208-334-8413
72	May 20, 2011 6:39 PM	Jack Stickel	AK	jack.stickel@alaska.gov	907-465-6998

3

2

2011 Peer Exchange Management and Training Research Survey

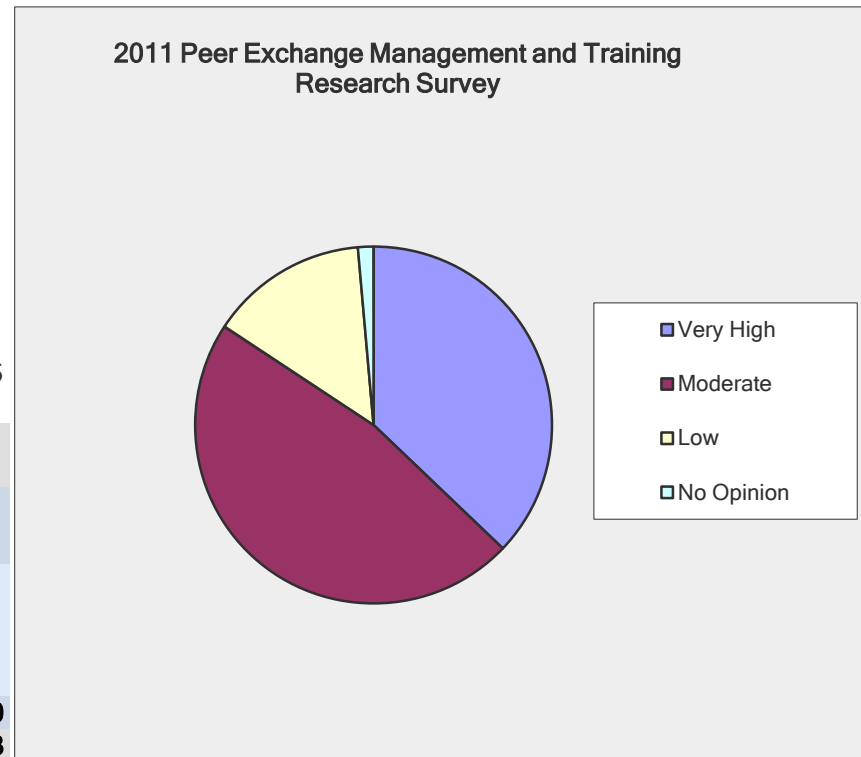
Problem Statement:

A training module is needed to instruct winter operations staff on evaluating multiple or conflicting sources of weather forecasts.

Progress to Date:

AURORA Project 2011-02, "RWIS Training Tool" envisions creation of a supervisor evaluation tool which can measure a persons ability to incorporate RWIS and risk management into their decision making process. Likely this could be a training simulator which would by simulating real-world events and evaluating how well the student incorporates various weather information (including free and VAMS forecasts) into their decision making process. The project team is currently scoping the deliverables for a competitive bid. Progress details can be found at www.aurora-program.org/projectdetail.cfm?projectID=75

Please rate the Need of this project		
Answer Options	Response Percent	Response Count
Very High	37.1%	26
Moderate	47.1%	33
Low	14.3%	10
No Opinion	1.4%	1
<i>answered question</i>		70
<i>skipped question</i>		3



2011 Peer Exchange Management and Training Research Survey

Problem Statement:

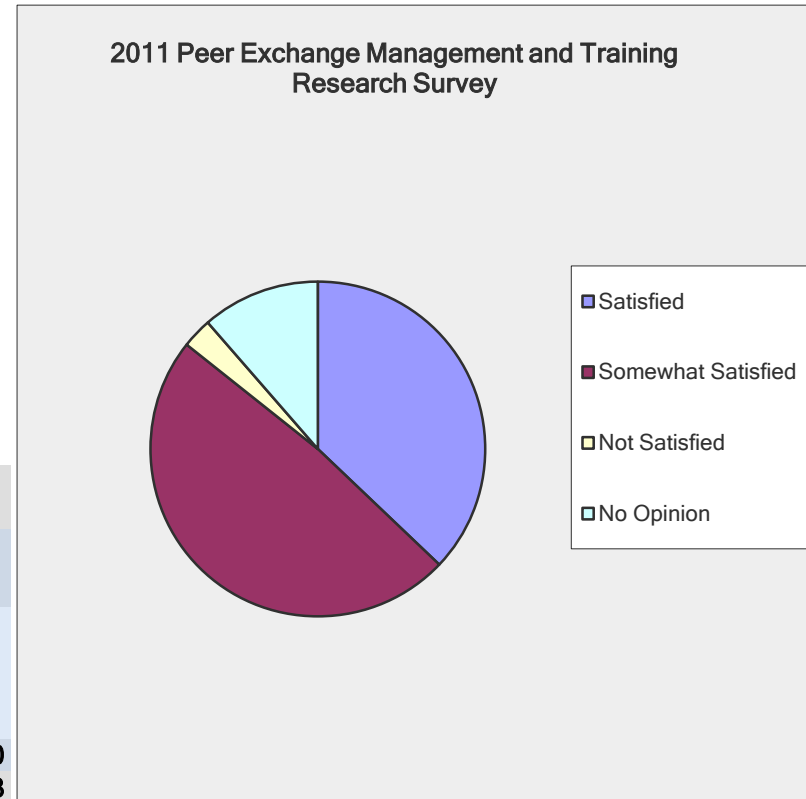
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Please rank how well the current research satisfies your agency's needs.

Answer Options	Response Percent	Response Count
Satisfied	37.1%	26
Somewhat Satisfied	48.6%	34
Not Satisfied	2.9%	2
No Opinion	11.4%	8
<i>answered question</i>		70
<i>skipped question</i>		3



2011 Peer Exchange Management and Training Research Survey

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You responded that the research did not meet your agency's needs. Can you explain what the research was missing and how we can better serve the need in future research efforts?

Answer Options	Response Count
	1
<i>answered question</i>	1
<i>skipped question</i>	72

Number	Response Date	Response Text
1	Jun 13, 2011 10:26 AM	RWIS is still in many areas not easily understood

2011 Peer Exchange Management and Training Research Survey

Problem Statement:

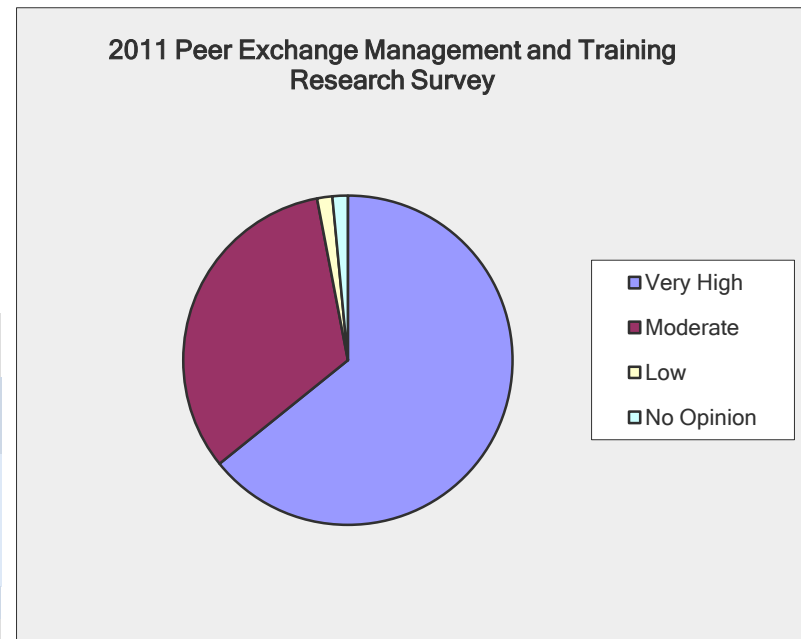
Develop Level of Service Based Application Anti-icing and De-Icing Guidelines
/ Develop salt prewetting guidelines for specific surface conditions

Progress to Date:

Three just finished projects ("Guidelines for A/I & Deicing", "Development of Standardized Test Procedures for Evaluating Deicing Chemicals" and "Identifying the Parameters for Effective Implementation of Liquid Only Plow Routes" are being evaluated as they relate to this project to determine what has been accomplished and what remains to be accomplished. See www.clearroads.org/research-projects.html for further details.

Please rate the Need of this project

Answer Options	Response Percent	Response Count
Very High	64.2%	43
Moderate	32.8%	22
Low	1.5%	1
No Opinion	1.5%	1
<i>answered question</i>		67
<i>skipped question</i>		6



2011 Peer Exchange Management and Training Research Survey

Problem Statement:

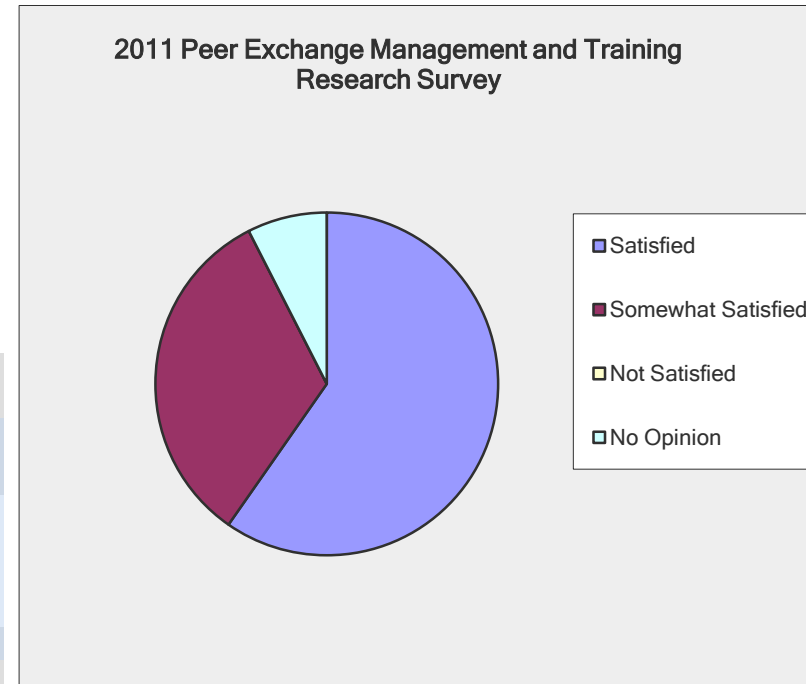
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Please rank how well the current research satisfies your agency's needs.

Answer Options	Response Percent	Response Count
Satisfied	59.7%	40
Somewhat Satisfied	32.8%	22
Not Satisfied	0.0%	0
No Opinion	7.5%	5
<i>answered question</i>		67
<i>skipped question</i>		6





2011 Peer Exchange Management and Training Research Survey

Problem Statement:

Develop Level of Service Based Application Anti-icing and De-Icing Guidelines / Develop salt prewetting guidelines for specific surface conditions

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Answer Options	Response Count
	0
<i>answered question</i>	0
<i>skipped question</i>	73

2011 Peer Exchange Management and Training Research Survey

Problem Statement:

Enhance AI/RWIS CBT - Make AI/RWIS CBT network or web-friendly for ease of distribution and tracking and so you don't have to return to the same computer to complete or track scores.

Progress to Date:

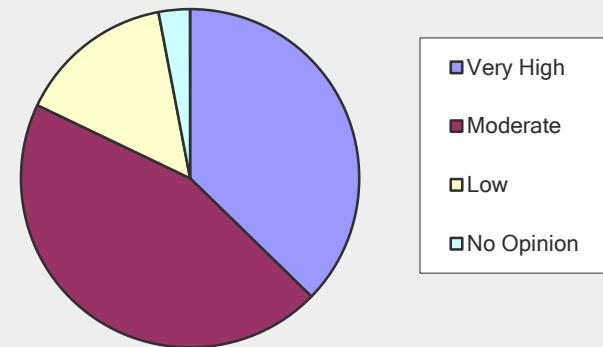
Both Clear Roads and Aurora have approved funding for this enhancement. AASHTO Board of Directors at their meeting on November 1, 2010, approved a resolution for this project. A contract has been signed with GanTek Multimedia for the work and AASHTO has sent a solicitation for voluntary contributions to raise the additional funding for the project. GanTek started work on the 24 month project in December 2010.

Several of the winter maintenance modules have been converted to web and SCORM compliant formats and they are undergoing testing. Contact Lee Smithson for further details or if you wish to help evaluate the draft modules.

Please rate the Need of this project

Answer Options	Response Percent	Response Count
Very High	37.3%	25
Moderate	44.8%	30
Low	14.9%	10
No Opinion	3.0%	2
answered question		67
skipped question		6

2011 Peer Exchange Management and Training Research Survey





2011 Peer Exchange Management and Training Research Survey

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Enhance AI/RWIS CBT - Make AI/RWIS CBT network or web-friendly for ease of distribution and tracking and so you don't have to return to the same computer to complete or track scores.

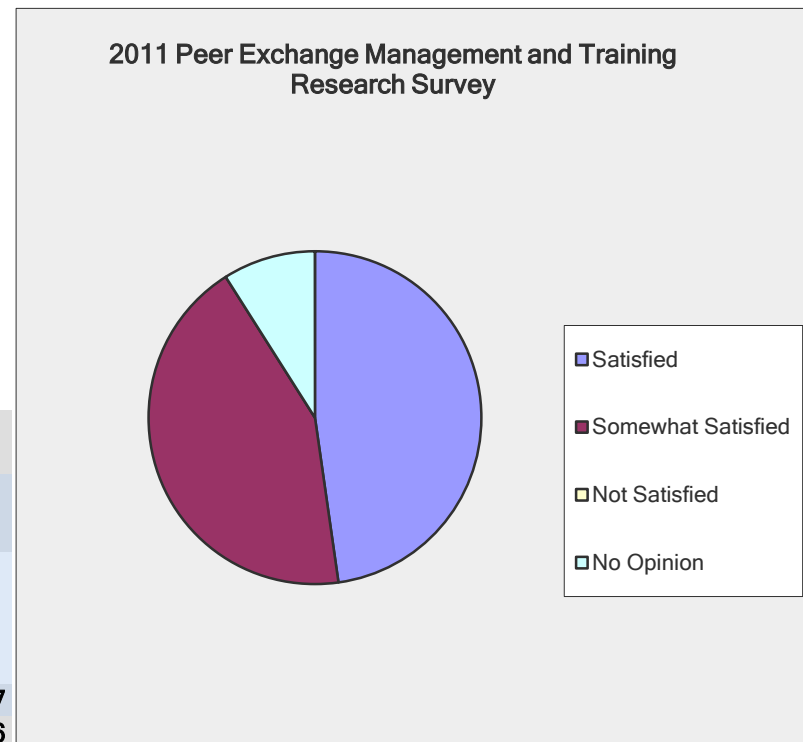
Progress to Date:

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Please rank how well the current research satisfies your agency's needs.

Answer Options	Response Percent	Response Count
Satisfied	47.8%	32
Somewhat Satisfied	43.3%	29
Not Satisfied	0.0%	0
No Opinion	9.0%	6
<i>answered question</i>		67
<i>skipped question</i>		6



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Answer Options	Response Count
	0
<i>answered question</i>	0
<i>skipped question</i>	73

2011 Peer Exchange Management and Training Research Survey

Problem Description:

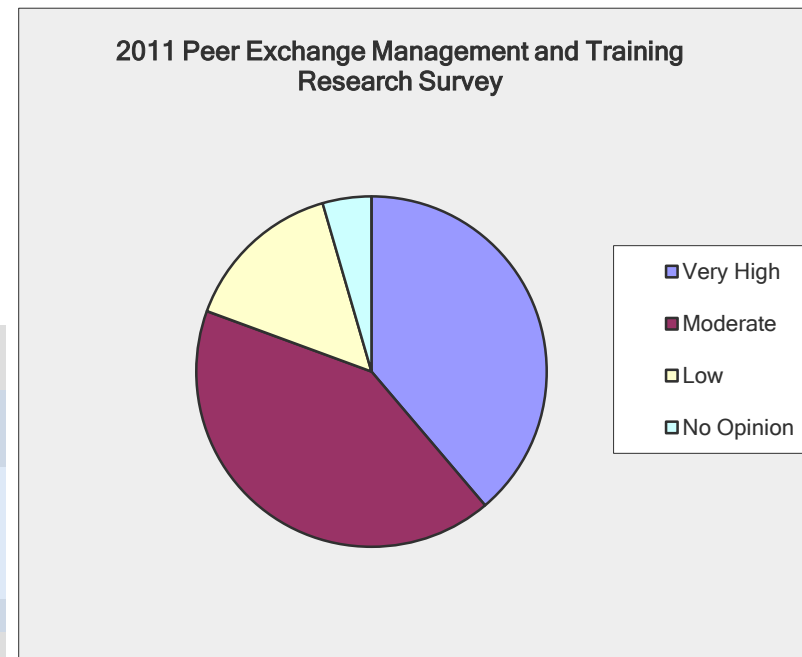
Develop BMP for Salt Shed Construction, Siting, and Leachate Management - There is a need for such a BMP for salt sheds.

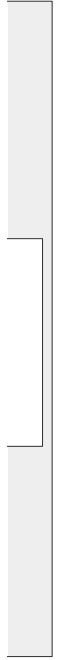
Progress to Date:

Two resources, "The Salt Storage Handbook" www.saltinstitute.org/content/download/478/2972 and "Synthesis of Best Practices Road Salt Management" www.tac-atc.ca/english/resourcecentre/readingroom/pdf/roadsalt-7.pdf contain guidance on planning and design of storage facilities and best method practices for siting, construction and operation of salt storage and leachate management. Project is now complete.

Please rate the Need of this project

Answer Options	Response Percent	Response Count
Very High	38.8%	26
Moderate	41.8%	28
Low	14.9%	10
No Opinion	4.5%	3
<i>answered question</i>		67
<i>skipped question</i>		6





2011 Peer Exchange Management and Training Research Survey

Problem Description:

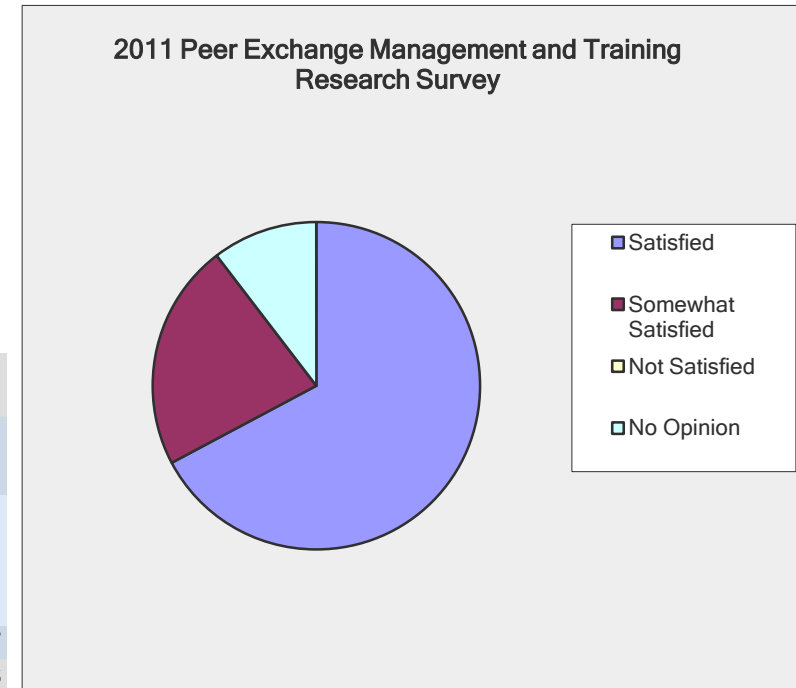
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Please rank how well the current research satisfies your agency's needs.

Answer Options	Response Percent	Response Count
Satisfied	67.2%	45
Somewhat Satisfied	22.4%	15
Not Satisfied	0.0%	0
No Opinion	10.4%	7
<i>answered question</i>		67
<i>skipped question</i>		6



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Answer Options	Response Count
	0
<i>answered question</i>	0
<i>skipped question</i>	73

2011 Peer Exchange Management and Training Research Survey

Problem Description:

Develop a multidisciplinary/interactive process to monitor hiring and retention problems experienced by field maintenance personnel; monitor progress and develop technology transfer procedures.

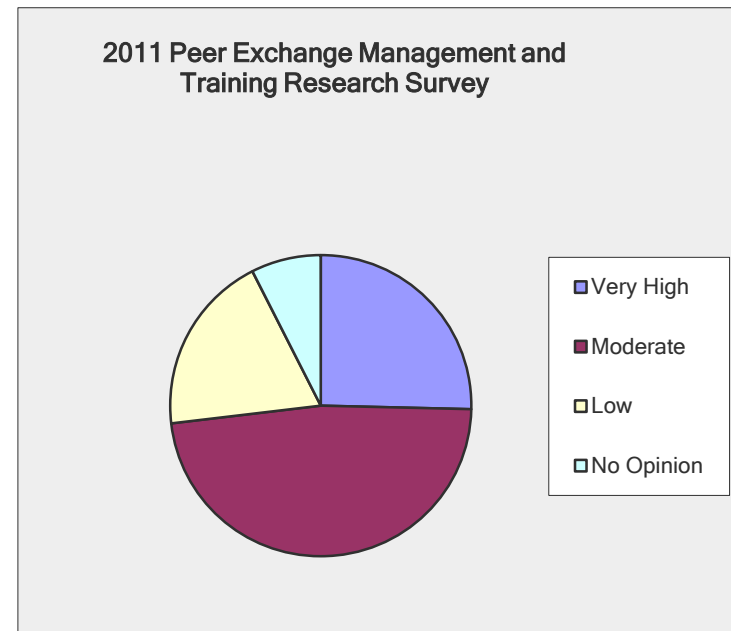
Progress to Date:

Liaison has been established between the TRB Winter Maintenance Committee (also a member of SICOP) and the TRB Maintenance Personnel Committee to determine implementable research results from NCHRP studies and other appropriate works.

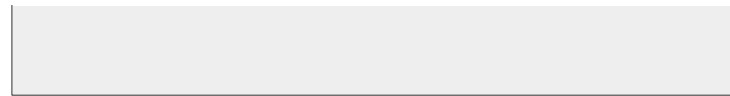
Several NCHRP studies provide useful information. NCHRP Synthesis 323 entitled "Recruiting and Retaining Individuals in State Transportation Agencies" can be found at http://onlinepubs.trb.org/onlinepubs/nchrp_syn_323.pdf. NCHRP Report 636 "Tools to Aide State DOTs in Responding to Workforce Challenges" has been published. A demonstration website was developed and is being expanded into a prototype web application to be managed by the AASHTO Subcommittee on Personnel and Human Resources. Further progress and link to the report can be found at <http://apps.trb.org/cmsfeed/TRBNetProjectDisplay.asp?ProjectID=658>. A third project "Guide to Implementing Strategies to Attract and Retain a Capable Transportation Workforce" is scheduled for completion 12/31/10. Progress can be monitored, <http://apps.trb.org/cmsfeed/TRBNetProjectDisplay.asp?ProjectID=2514>.

Please rate the Need of this project

Answer Options	Response Percent	Response Count
Very High	25.4%	17
Moderate	47.8%	32
Low	19.4%	13



No Opinion	7.5%	5
	<i>answered question</i>	67
	<i>skipped question</i>	6



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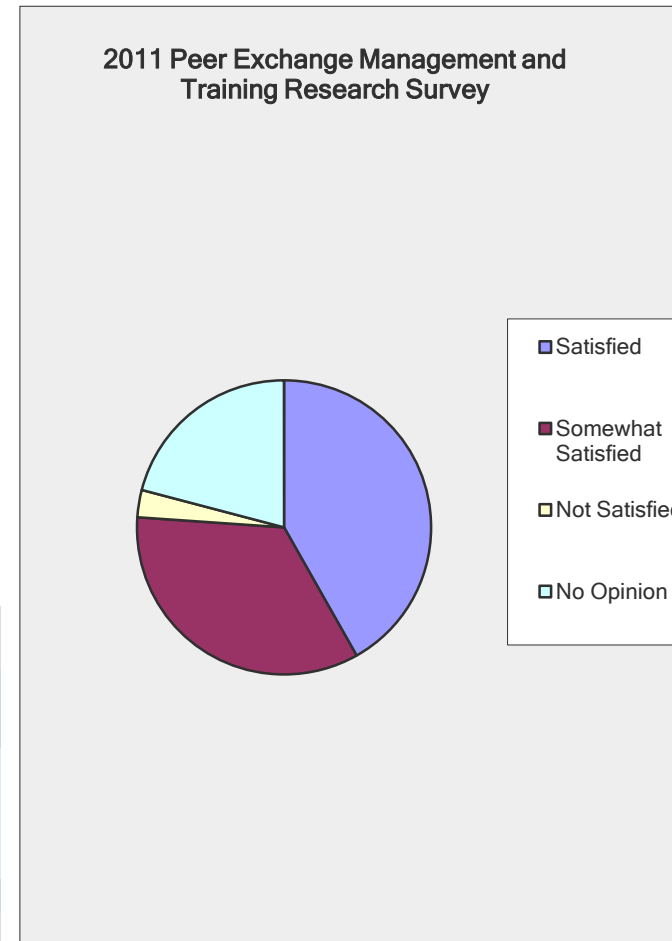
Progress to Date:

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Several NCHRP studies provide useful information. NCHRP Synthesis 323 entitled "Recruiting and Retaining Individuals in State Transportation Agencies" can be found at http://onlinepubs.trb.org/onlinepubs/nchrp_syn_323.pdf . NCHRP Report 636 "Tools to Aide State DOTs in Responding to Workforce Challenges" has been published. A demonstration website was developed and is being expanded into a prototype web application to be managed by the AASHTO Subcommittee on Personnel and Human Resources. Further progress and link to the report can be found at <http://apps.trb.org/cmsfeed/TRBNetProjectDisplay.asp?ProjectID=658> . A third project "Guide to Implementing Strategies to Attract and Retain a Capable Transportation Workforce" is scheduled for completion 12/31/10. Progress can be monitored, <http://apps.trb.org/cmsfeed/TRBNetProjectDisplay.asp?ProjectID=2514> .

Please rank how well the current research satisfies your agency's needs.

Answer Options	Response Percent	Response Count
Satisfied	41.8%	28
Somewhat Satisfied	34.3%	23
Not Satisfied	3.0%	2
No Opinion	20.9%	14
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Answer Options	Response Count
	2
<i>answered question</i>	2
<i>skipped question</i>	71

Number	Response Date	Response Text
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1

Jun 14, 2011 2:55 AM

I feel that engineering based organizations tend to view workforce recruitment, development and retention in a textbook fashion. They assume advancement of technical skills and willingness to move within the organization equates to job satisfaction. They also tend to overlook a lack of interpersonal skills when selecting supervisors or managers. There should be multiple ways to achieve success within a large organization, not just a cookie cutter approach. I would say most have improved on past practices, but this is a difficult problem compounded by different expectations brought by age and diversity. I am not suggesting I have an answer to this problem, just saying that a lot more effort needs to be put into finding a workable solution than has been done in the past.

2

May 22, 2011 9:05 PM

The research does not address the particular hiring practices that each state utilizes to maintain a viable work force. Some states have taken the position to reduce the work force because of shriking budgets and have no desire to re-establish that work force. Many would prefer to rely on outsourcing to get the performance that is needed. Also, the political aspect of a government work force is not being considered.

2011 Peer Exchange Management and Training Research Survey

Problem Description:

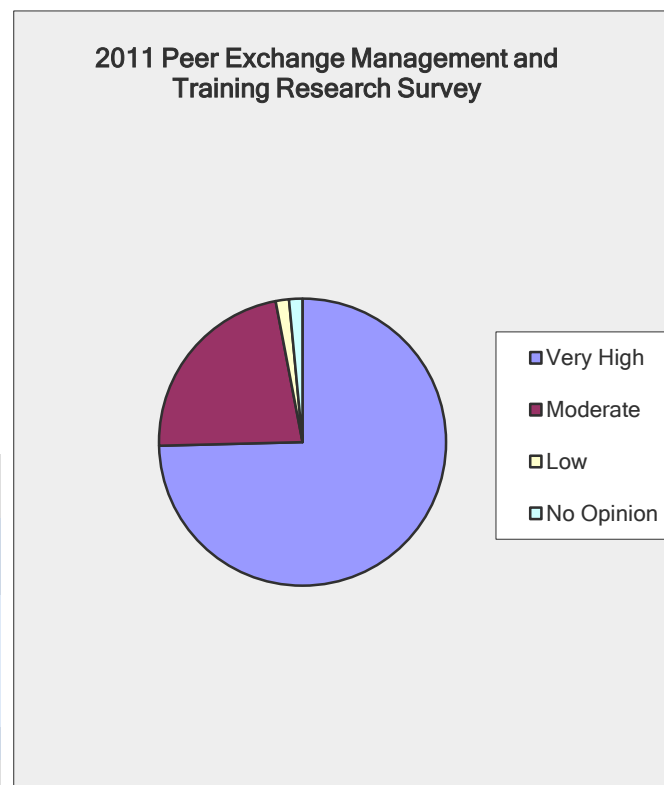
Guidelines for anti-icing and deicing: How to determine the proper timing and frequency of anti-icing and deicing? Develop anti-icing, deicing and pre-wetting implementation guidelines. Are the FHWA TE-28 anti-icing guidelines accurate, appropriate, effective? The group felt the anti-icing guidelines need to be proven under actual conditions to determine if the application rates are accurate and effective for the different precipitation events and pavement temperatures. The tests were done in the early 1990's and the group felt with advances in technology it should be possible to test these guidelines to see if they are still valid.

Progress to Date:

The FHWA TE-28 work has been expanded by the NCHRP6-13 project and reported in NCHRP Report 526. This project tested five strategic/tactic snow and ice control strategies at 51 field sites over three winters. To measure effectiveness a condition index was developed which was used to evaluate both within-event and end-of-event LOS achieved. A treatment design procedure considering precipitation type and trend, cycle time, wheelpath condition, traffic volume, dilution potential, pavement temperature and trend and ice/pavement bond is presented. Details can be found at www.trb.org/TRBNet/ProjectDisplay.asp?ProjectID=880. Version 2 of the AASHTO Anti-icing/RWIS CBT distributed in July 2007 contains the results of the 6-13 research. Also work is underway at WTI on additional laboratory and field tests. Project details can be found at www.westerntransportationinstitute.org/research/winter/completed/default.aspx. Also project rank #1 in the 2009 Winter Maintenance Peer Exchange entitled "Develop Level of Service Based Application Anti-icing and Deicing" is addressing some of the same issues as this research needs statement. Results of completed research reported on that research needs has been inconclusive. The underlying science found in the FHWA TE-28 and the NCHRP report 526 are being used to form treatment recommendations for the MDSS and for other states using a proactive approach for snow and ice control and generally yield reasonable results. It appears more comprehensive research will be needed to move beyond the results of those studies. Clear Roads has also completed three studies looking at testing deicing chemicals and also guidelines. See www.clearroads.org/research-projects.html for more detail.

Please rate the Need of this project

Answer Options	Response Percent	Response Count
Very High	74.6%	50
Moderate	22.4%	15
Low	1.5%	1
No Opinion	1.5%	1
<i>answered question</i>		67
<i>skipped question</i>		6





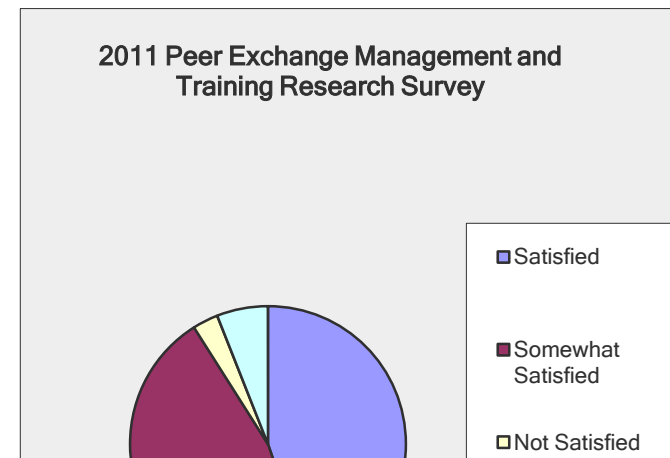
2011 Peer Exchange Management and Training Research Survey

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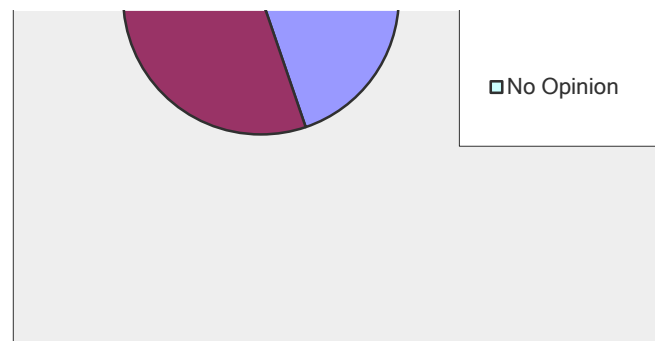
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Please rank how well the current research satisfies your agency's needs.

Answer Options	Response Percent	Response Count
Satisfied	44.8%	30
Somewhat Satisfied	46.3%	31
Not Satisfied	3.0%	2
No Opinion	6.0%	4
<i>answered question</i>		67
<i>skipped question</i>		6



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2011 Peer Exchange Management and Training Research Survey

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You responded that the research did not meet your agency's needs. Can you explain what the research was missing and how we can better serve the need in future research efforts?

Answer Options	Response Count
	2
<i>answered question</i>	2
<i>skipped question</i>	71

Number	Response Date	Response Text
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The testing done meets technical requirements for the project, what is lacking is technology transfer and education. It is one thing to publish results of research and another to integrate the results of this research into the culture of an organization. The latter requires continued education and training in the field. A great deal of resources have been put into testing and evaluation of different chemicals, liquids, blends and other new innovations but the average person still does not readily understand the difference between anti-icing and de-icing or know how to properly match a chemical to a given situation or why you would select a liquid or solid or vice versa. Instead of helping them understand the fundamental differences in performance and cost we concentrate on evaluating new chemicals or application methods.

1 Jun 14, 2011 3:07 AM

2 Jun 14, 2011 1:56 AM

requires highly structured and intensively monitored and analyzed field experiments/validations

2011 Peer Exchange Management and Training Research Survey

Problem Description:

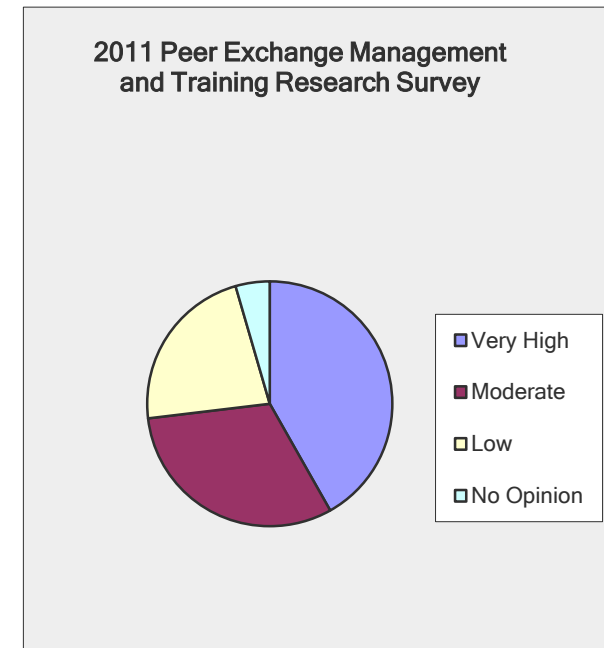
Staffing Issues -- Synthesis of unconventional staffing strategies to meet increasing demands. Developing Tools for Outreach. Meeting increasing training challenges. Synthesis of innovative methods to compete with industry.

Progress to Date:

There are several NCHRP Projects that address the staffing dilemma. The NCHRP FY 2009 program allocated \$350,000 to Project 20-81, "Guide to Implementing Strategies to Attract and Retain a Capable Transportation Workforce" is scheduled for completion 7/31/2011. Details for this project can be found on TRB's website <http://www.trb.org/TRBNet/ProjectDisplay.asp?ProjectID=2514>. Another NCHRP Project that is active from the 2007 program is NCHRP Project 20-72, "Tools to Aid State DOTs in Responding to Workforce Challenges" It is funded at \$300,000 and most of the work completed and NCHRP Report 636 has been published. A demonstration website was developed and is being expanded into a prototype web application to be managed by the AASHTO Subcommittee on Personnel and Human Resources. Details of this project can be found at <http://www.trb.org/TRBNet/ProjectDisplay.asp?ProjectID=658> The TRB AHD15 Maintenance Personnel Committee has been co-sponsoring four hour sessions entitled "Building the 21 st Century Workforce" at TRB Annual meetings. These four hour sessions have been addressing many of the staffing issues found in this research needs statement. For more details visit the Committee's website at <http://webboard.trb.org/default.asp?action=10&boardid=13&fid=761> and <http://sites.google.com/site/trbcommittee.ahd15/>.

Please rate the Need of this project

Answer Options	Response Percent	Response Count
Very High	41.8%	28
Moderate	31.3%	21
Low	22.4%	15
No Opinion	4.5%	3



<i>answered question</i>	67	
<i>skipped question</i>	6	

2011 Peer Exchange Management and Training Research Survey

Problem Description:

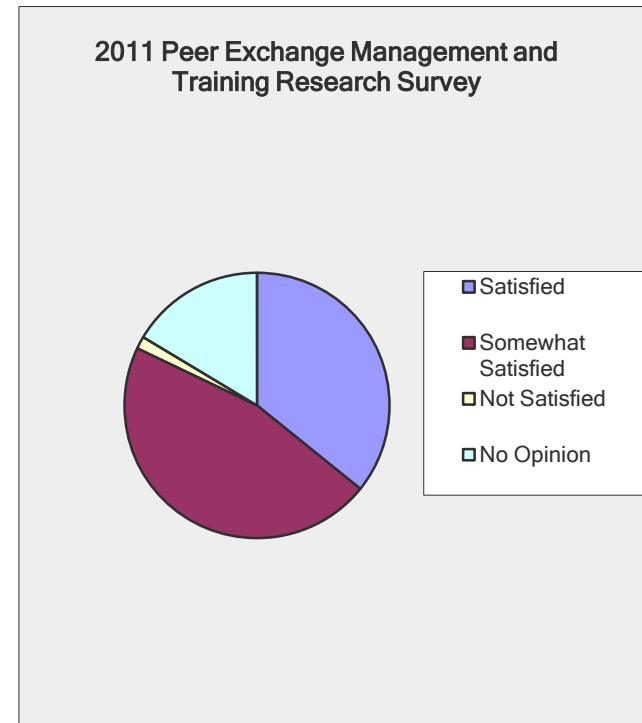
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Please rank how well the current research satisfies your agency's needs.

Answer Options	Response Percent	Response Count
Satisfied	35.8%	24
Somewhat Satisfied	46.3%	31
Not Satisfied	1.5%	1
No Opinion	16.4%	11
<i>answered question</i>		67
<i>skipped question</i>		6



2011 Peer Exchange Management and Training Research Survey

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Staffing Issues -- Synthesis of unconventional staffing strategies to meet increasing demands. Developing Tools for Outreach. Meeting increasing training challenges. Synthesis of innovative methods to compete with industry.

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You responded that the research did not meet your agency's needs. Can you explain what the research was missing and how we can better serve the need in future research efforts?

Answer Options	Response Count
	1
<i>answered question</i>	1
<i>skipped question</i>	72

Number	Response Date	Response Text
1	May 22, 2011 9:10 PM	The study is not addressing the issue of how one gets the legislature and the executive staff within a state government to recognize that a viable work force is necessary. The needs are just not being addressed.

2011 Peer Exchange Management and Training Research Survey

Do you have any unmet winter management and training research needs that do not relate to any of the research needs statements mentioned here?

Answer Options	Response Count
	26
<i>answered question</i>	26
<i>skipped question</i>	47

Number	Response Date	Response Text
1	Jun 17, 2011 9:36 PM	<p>We need to look at winter maintenance projects, like alternate chemicals, storage of materials, equipment etc., from a sustainability point of view. We have only looked at them from a "best practice" perspective and we could be missing some points based on societal and financial points of view.</p> <p>We should begin to investigate how to incorporate integrated mobile observations (IMO) into a MDSS like system. This is futuristic but we should start work on this.</p> <p>We should try to initiate collaboration with Traffic Operations community to create dynamic traffic operations programs to optimize traffic flow and winter maintenance operations as concurrent activities instead of mutually exclusive activities. []</p> <p>Many states are being pressed into contract maintenance activities. We should research performance criteria for winter maintenance operations whereby we can, not only measure ourselves, but contractors providing this service.</p> <p>I would like to see some specific research on treatment strategies for blowing snow, how it is attracted to pavement surface depending on pavement and air temperatures, surface conditions (roughness), traffic AADT, wind speed, chemical residue, and different material applications. I.e. sand, chlorides, brine, etc.</p>
2	Jun 17, 2011 3:34 PM	
3	Jun 15, 2011 9:13 PM	Tow and wing plow training.
4	Jun 14, 2011 7:42 PM	no
5	Jun 14, 2011 1:58 AM	oversight of outsourced maintenance
6	Jun 13, 2011 4:57 PM	no
7	Jun 13, 2011 1:48 PM	No
8	Jun 13, 2011 1:12 PM	I think the needs are very real in this section the limiting factor is the speed in which agencies look and implement these challenges.
9	Jun 13, 2011 12:58 PM	no

10	Jun 13, 2011 10:35 AM	Training Course (Dry Runs) to prepare for an event. Compiling information on the best practices to prepare for a winter/weather storm.
11	May 31, 2011 4:18 PM	Synthesis of Equipment challenges for snowfighting?[] Trends in equipment for snowfighting?
12	May 29, 2011 4:03 PM	yes, sustainability scorecard for winter maintenance.
13	May 24, 2011 3:52 PM	No
14	May 24, 2011 3:39 PM	No
15	May 24, 2011 2:08 PM	The making of salt brine/ cal.[] temps with what works well at what temp.
16	May 24, 2011 1:37 PM	Not at this time
17	May 23, 2011 7:20 PM	I think there is a need to better educate the "on the ground worker" as to what research has been done and is available to view. Such as a simple to view site that lists all or most topics. If there is a site I am not familiar with it. Therein lays the problem.
18	May 23, 2011 4:48 PM	A comprehensive evaluation of the performance and effects of products available as salt enhancements, i.e. (Geomelt, ClearLane, SnowSlicer, etc.)
19	May 23, 2011 2:48 PM	Not at this time.
20	May 23, 2011 1:30 PM	Even with NTCIP in place, some vendors are trying to force us into using only their RWIS sensors. How can we get the best sensors available if the vendors dont want to work together?
21	May 23, 2011 12:19 PM	Not at this time.
22	May 23, 2011 11:19 AM	no
23	May 23, 2011 10:53 AM	No. Thanks Lee!
24	May 22, 2011 9:11 PM	No.
25	May 20, 2011 9:48 PM	The need still exists to provide consistent traveler information and similar levels of service to improve safety and mobility. The need was identified in the 2007 Peer Exchange as #15, "Consistent descriptions of road conditions". The need for standard ratings and descriptions for road conditions has not been achieved. Road condition reports vary greatly from one state to another. Canada is trying to solve the same problem and the United States and Canada need to collaborate to achieve transparency at our common borders and in our reporting of road conditions.
26	May 20, 2011 6:45 PM	alternative power supply strategies, e.g., battery, solar panel, wind sizing considerations for RWIS in remote locations. A best practices for the sensor power loads would be useful instead of starting from scratch