Expansion of the Western States One Stop Shop for Rural Traveler Information

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Caltrans District 2

NRITS 2015

Session B1: Using Partnerships to Improve Traveler Information

Monday, August 10, 2015, 1:00 PM

Disclaimer

The opinions, findings and conclusions expressed in this presentation are those of the authors and not necessarily those of the Western States Rural Transportation Consortium, the California Department of Transportation, or Montana State University.

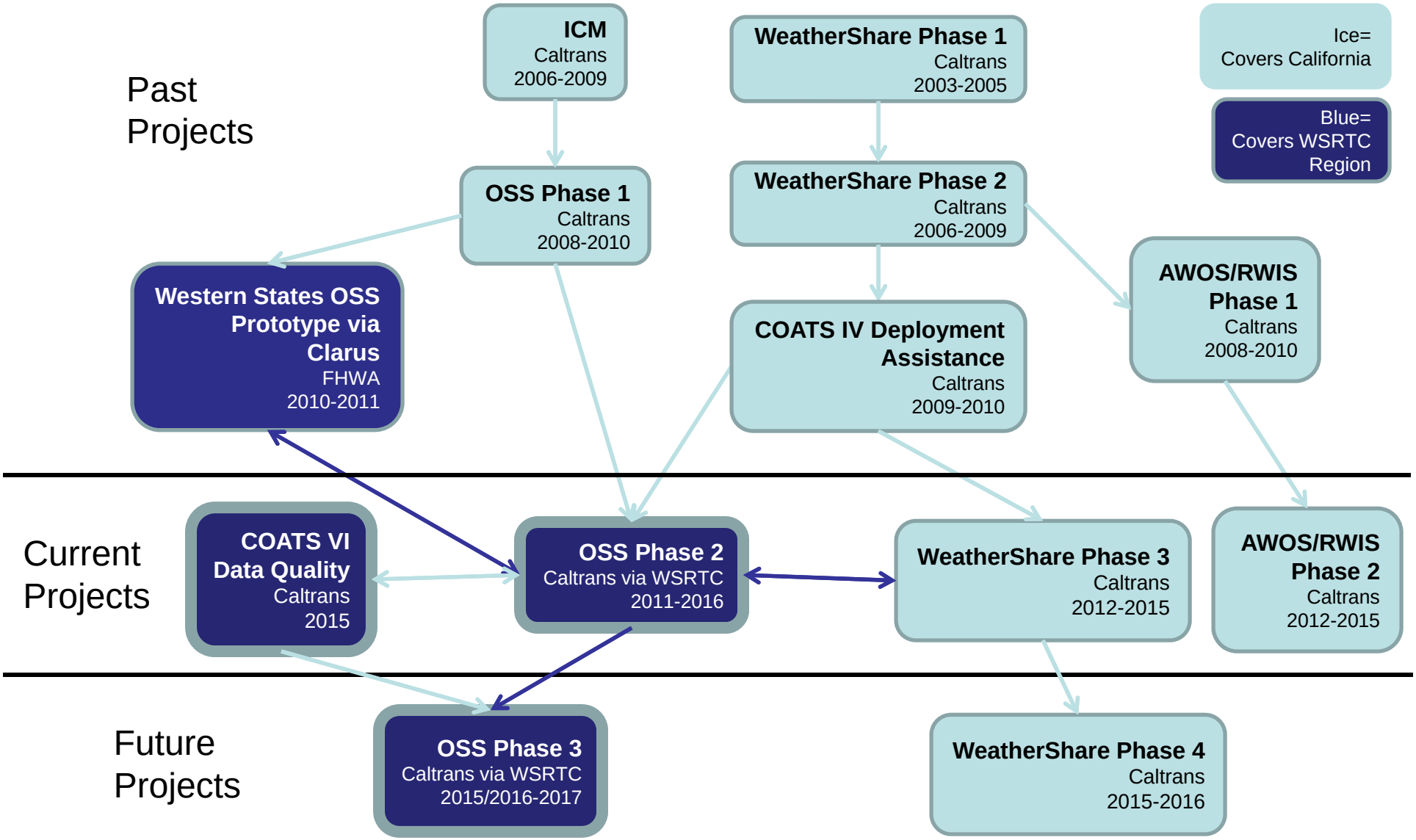
Abstract

The One-Stop-Shop (OSS) web application provides travelers with comprehensive, real-time data that can be used in planning their trips. OSS presents routing functionality, camera images, weather information, elevation profiles, rest areas, points of interest and more, in a consistent, easily accessible and intuitive interface that allows travelers to plan both instate trips and trips that cross state borders. In November 2014, OSS expanded coverage to include Idaho, Montana, Wyoming, Utah, Colorado, New Mexico and Arizona as well as California, Oregon, Washington and Nevada, which have been covered since 2011.

OSS was developed using a "best effort" approach to bring in data from multiple states and organizations, providing over 25 separate layers. States were not required to change their feeds for use in OSS, although they were encouraged to make data accessible online that otherwise was not available. Managing the import and presentation of this data via an intuitive and responsive interface presented various technical challenges to the project team, and the expansion to additional western states and beyond was taken into account when expanding the system.

In this presentation we will discuss the details of the expansion of the One-Stop-Shop, including usage information.

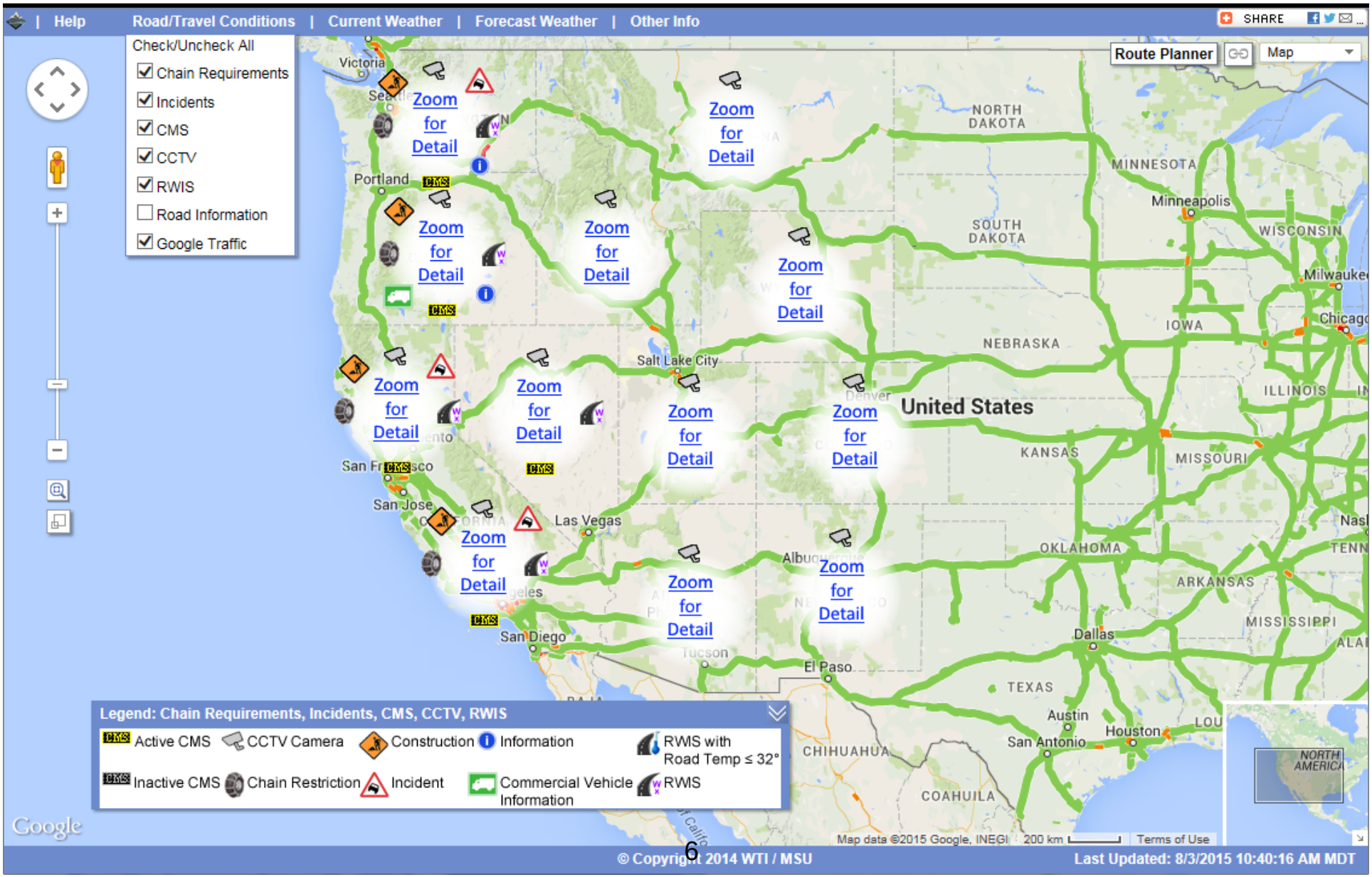
History: Closely Related Web-Based Efforts



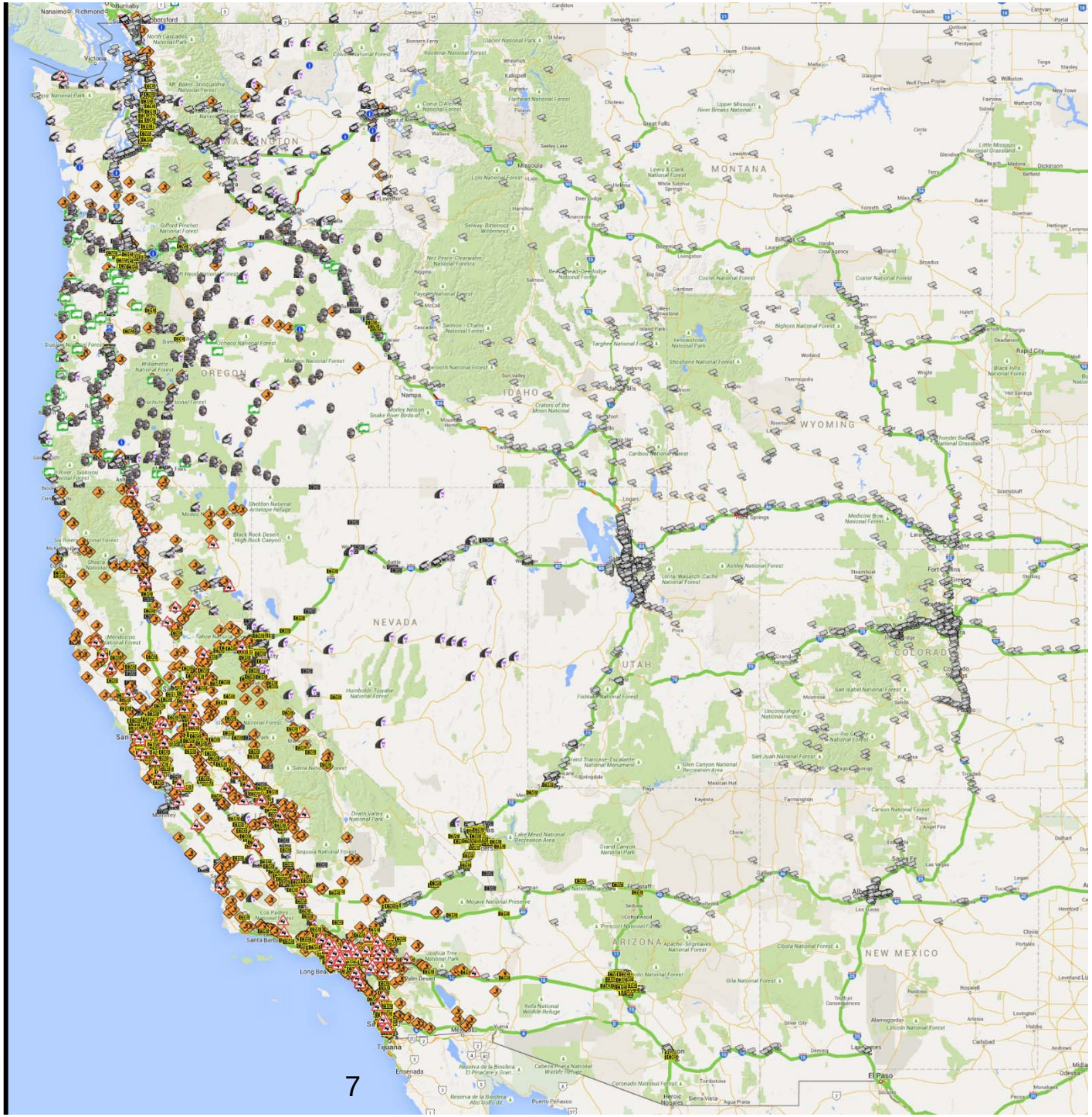
What is OSS?

A Pictorial Overview …

http://oss.weathershare.org/



Thousands of Field Elements represented in the Road / Travel Conditions Layer Covering 11 States



MONTANA STATE UNIVERSITY

Camera Images (2014-11-10)

Bozeman Pass - East

Source: Montana Department of Transportation

Georgetown Lake - North

Source: Montana Department of Transportation

Homestake Pass - East

Source: Montana Department of Transportation

Lookout Pass - West

Source: Montana Department of Transportation

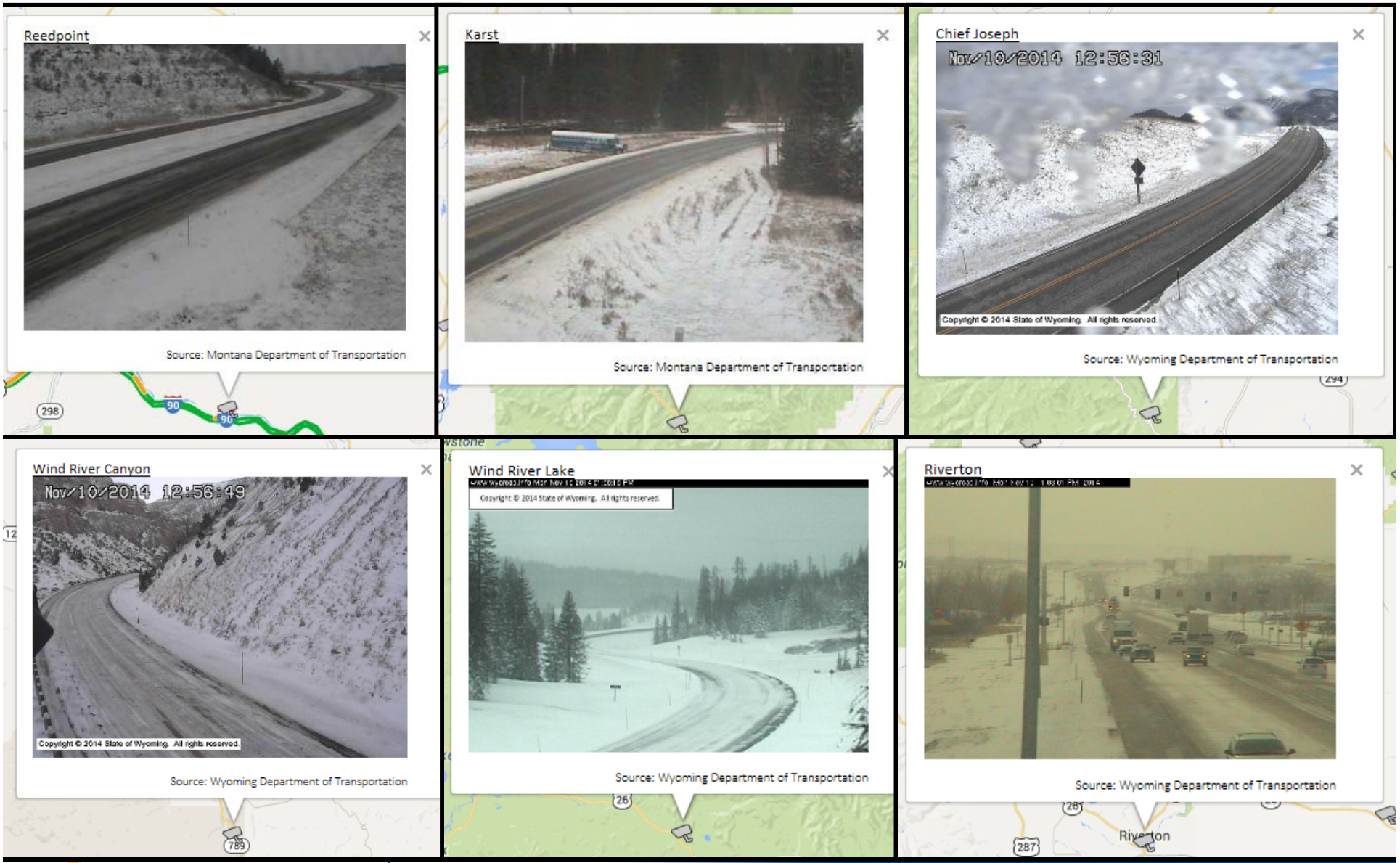
Lookout Pass

Source: Idaho Transportation Department

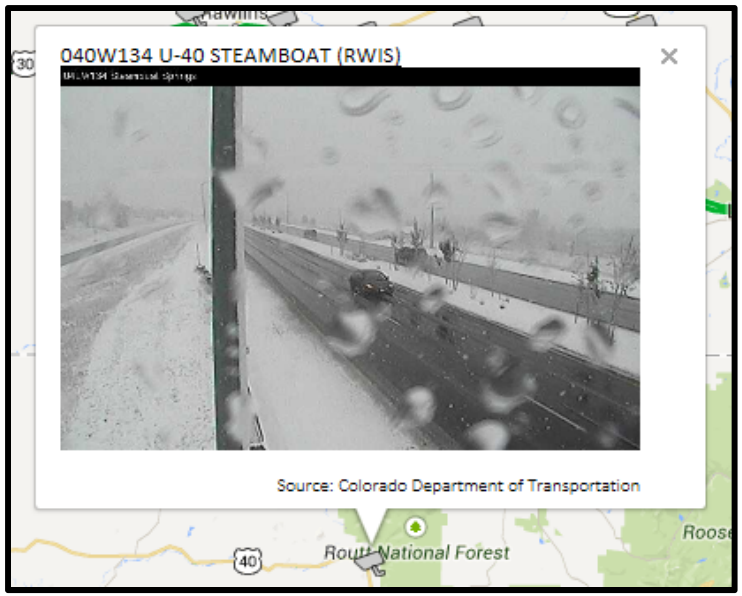
Bowmans

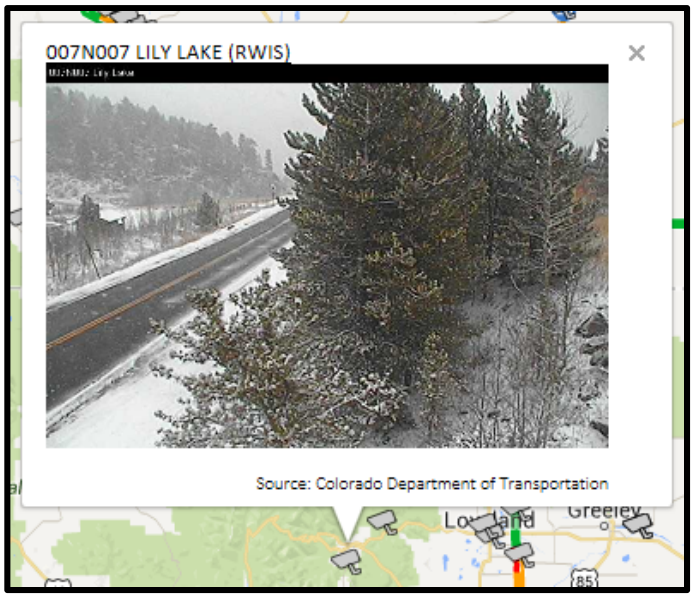
Source: Montana Department of Transportation

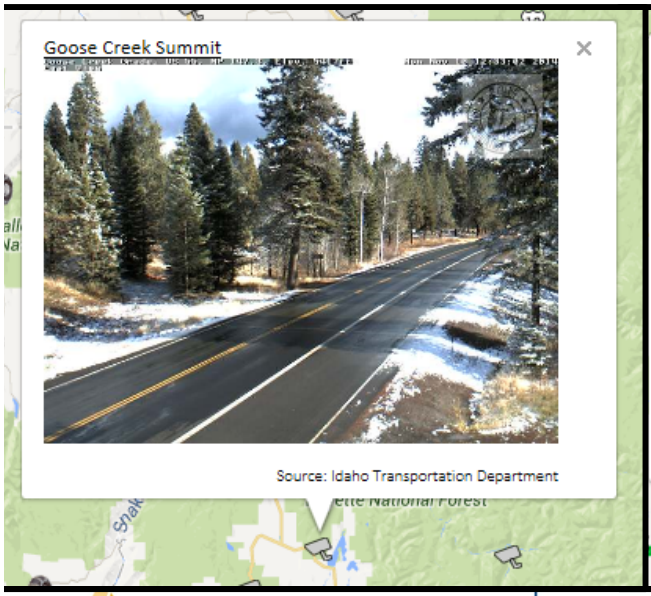
Camera Images (2014-11-10)

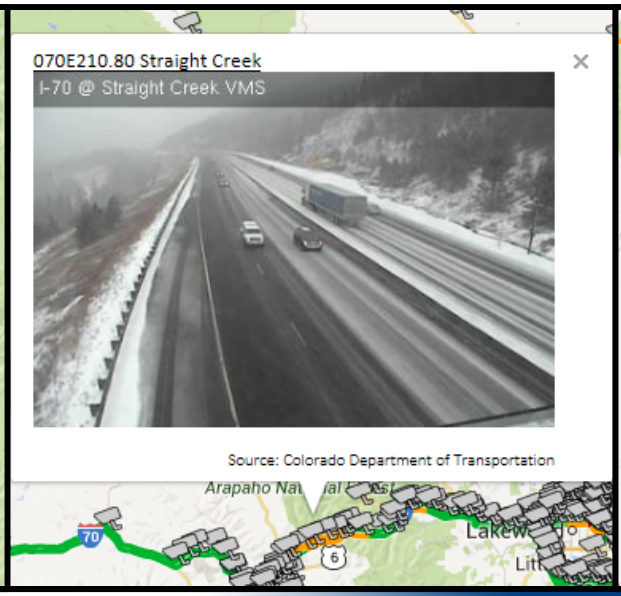


Camera Images (2014-11-10)

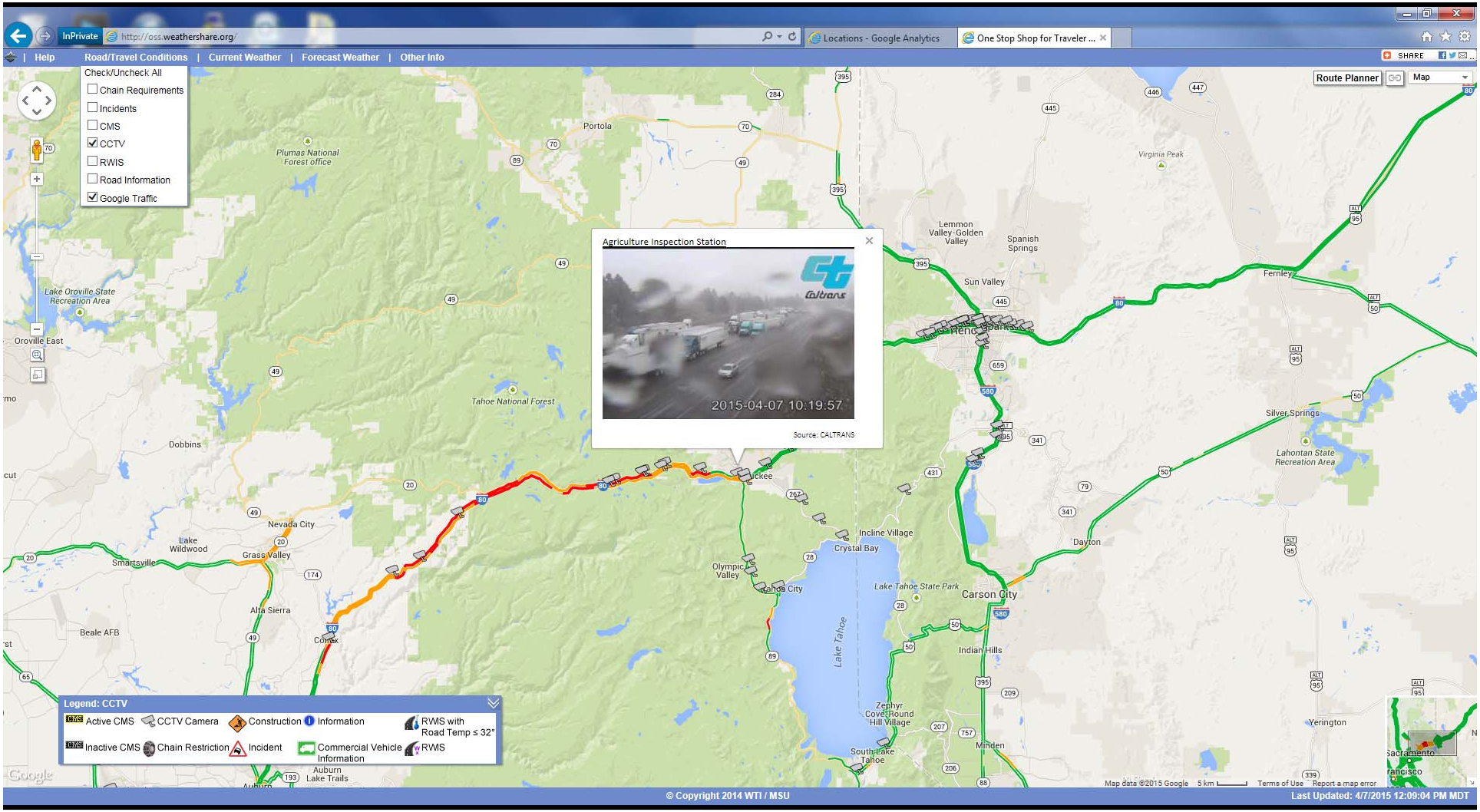




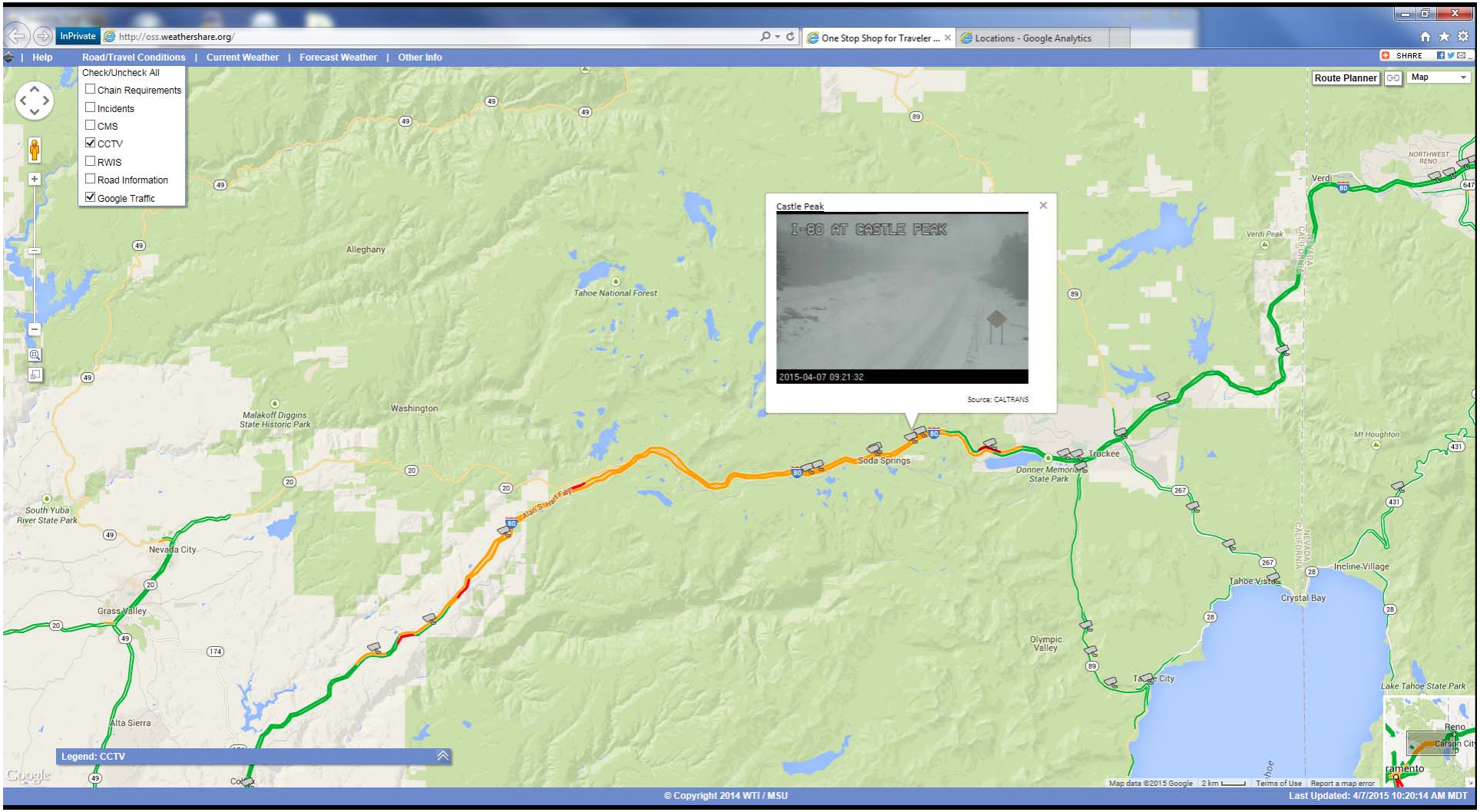




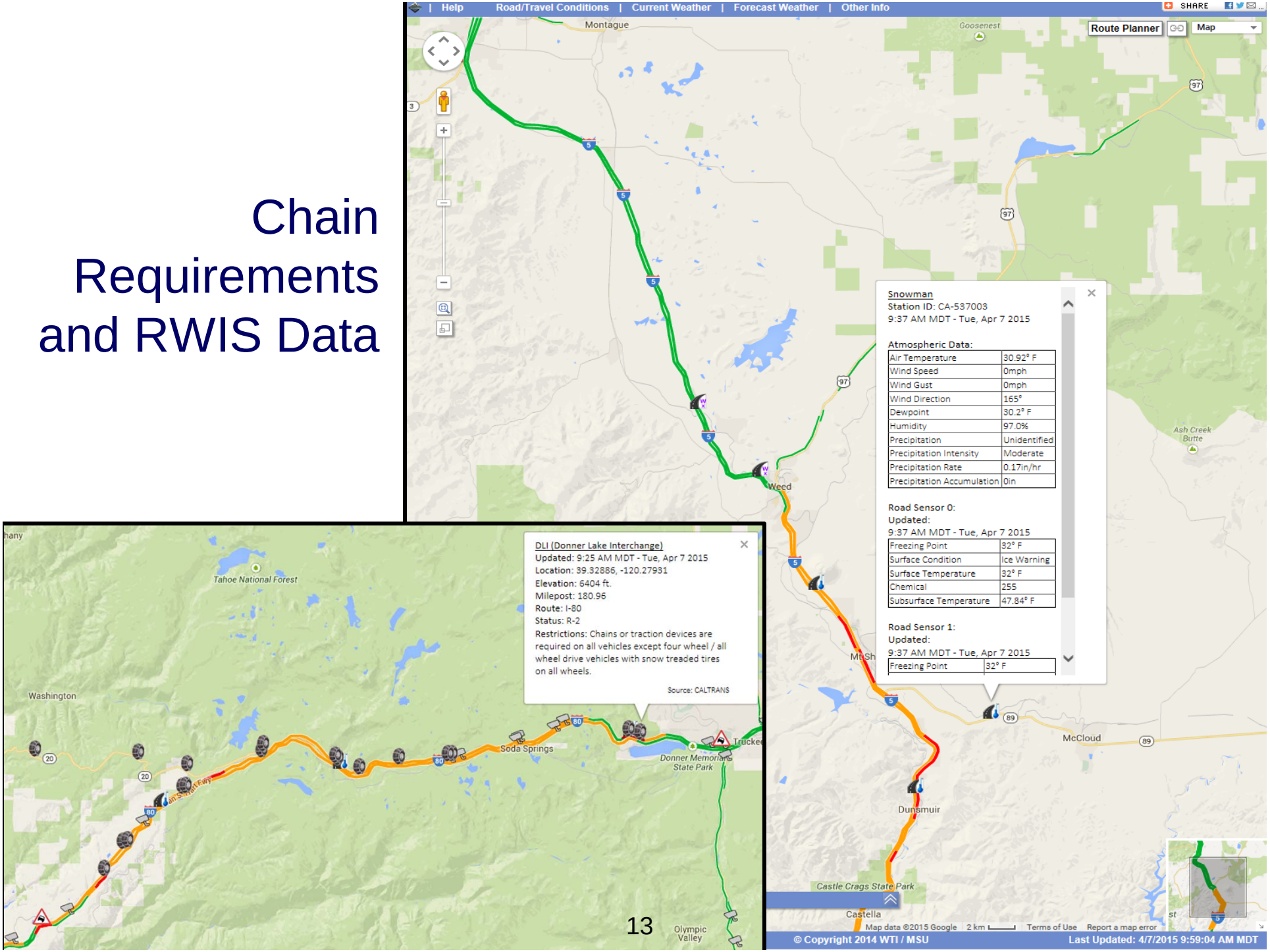
Google Traffic



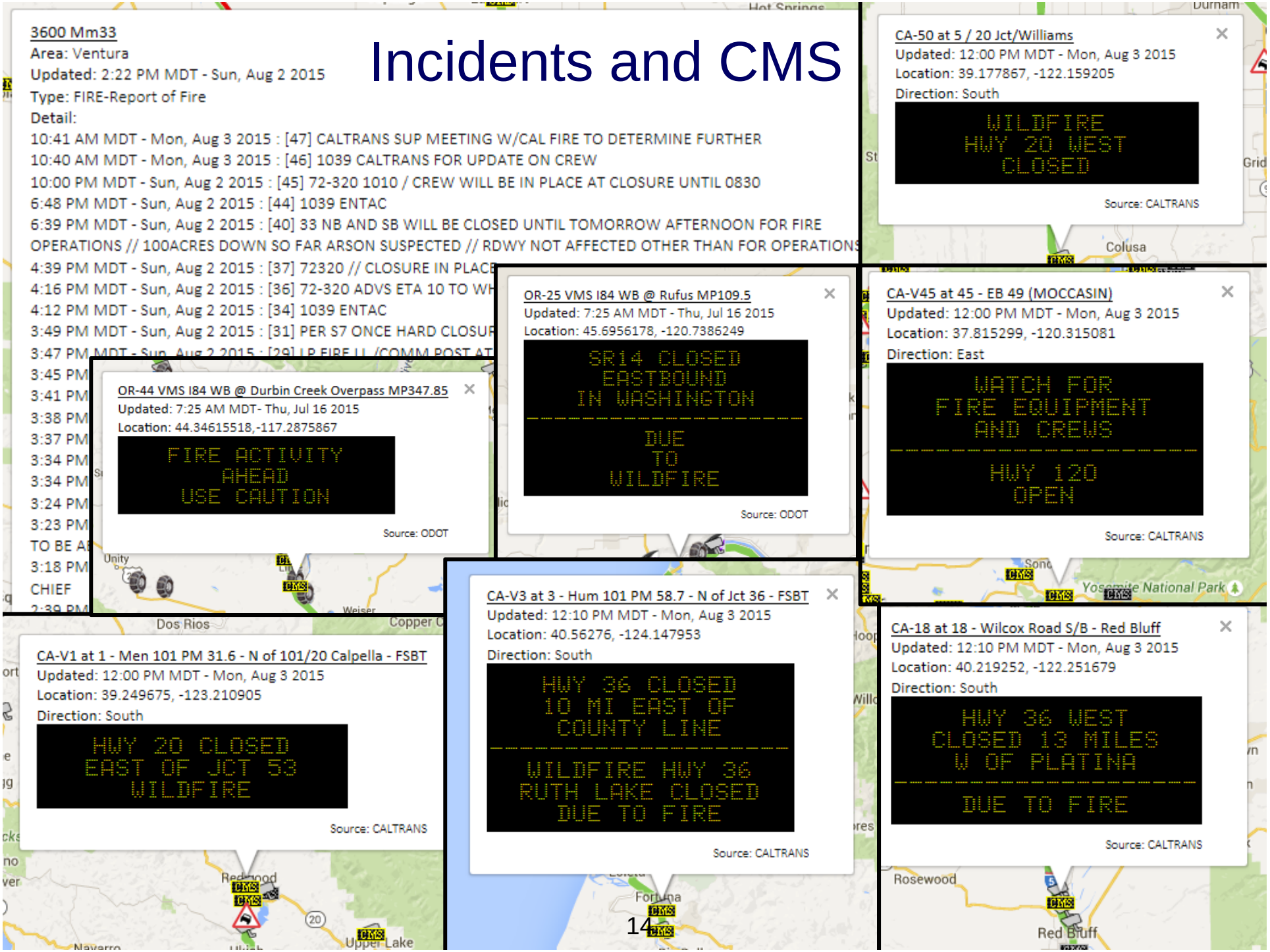
Google Traffic



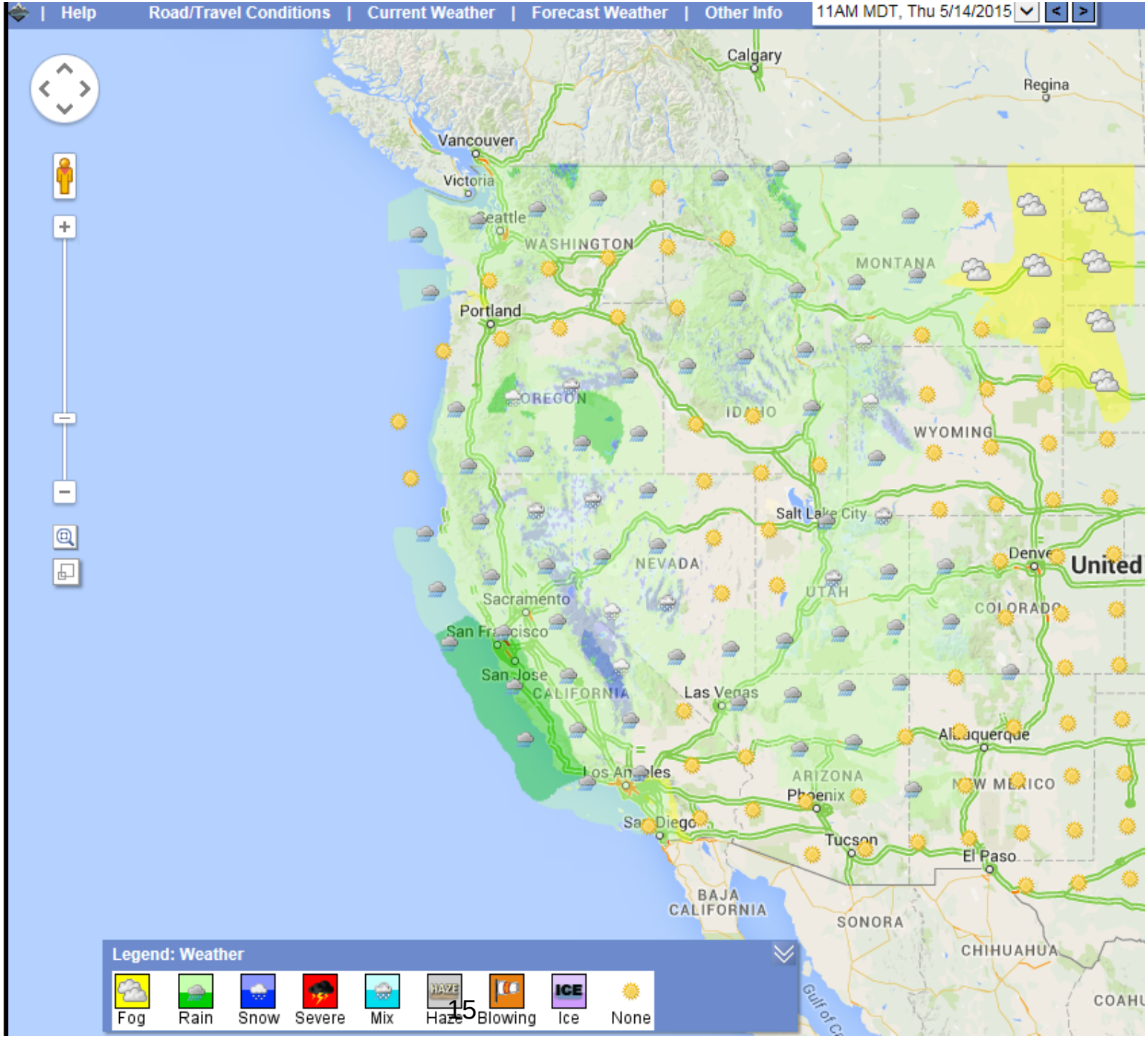
Chain Requirements and RWIS Data

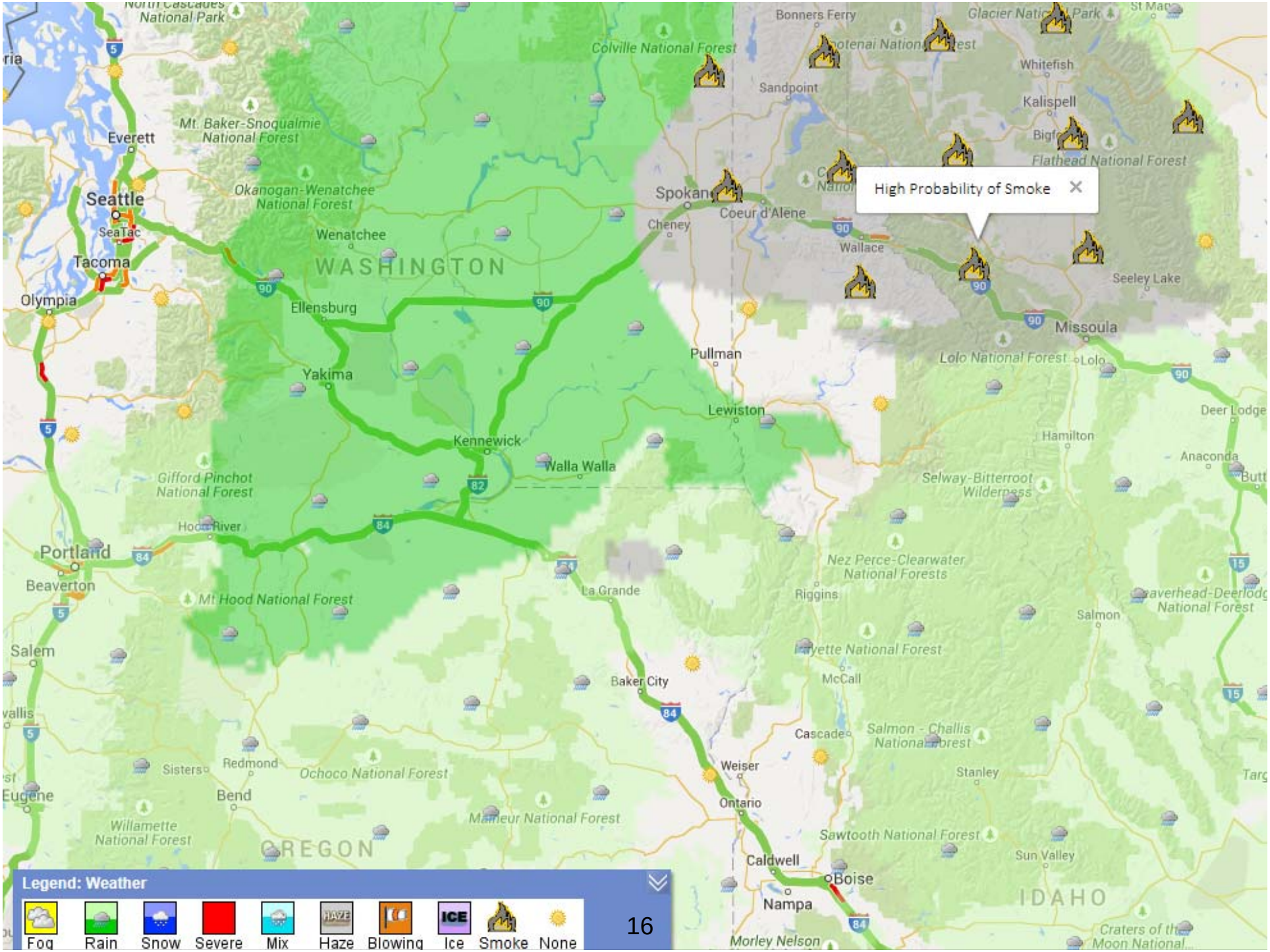


Incidents and CMS



Weather Forecasts




High Probability of Smoke
Legend: Weather
Fog
Rain
Snow
Severe
Mix
Haze
Blowing
Ice
Smoke
None
WASHINGTON
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Olympia
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Coeur d'Alene
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Sisters
La Grande
Baker City
Ontario
Weiser
Caldwell
Boise
Nampa
McCall
Cascade
Riggins
Salmon
Sandpoint
Kalispell
Whitefish
Bonners Ferry
Wallace
Cheney
Seeley Lake
Hamilton
Deer Lodge
Anaconda
Lolo
Colville National Forest
Mt. Baker-Snoqualmie National Forest
Okanogan-Wenatchee National Forest
Gifford Pinchot National Forest
Mt Hood National Forest
Ochoco National Forest
Willamette National Forest
Malheur National Forest
Nez Perce-Clearwater National Forests
Lolo National Forest
Flathead National Forest
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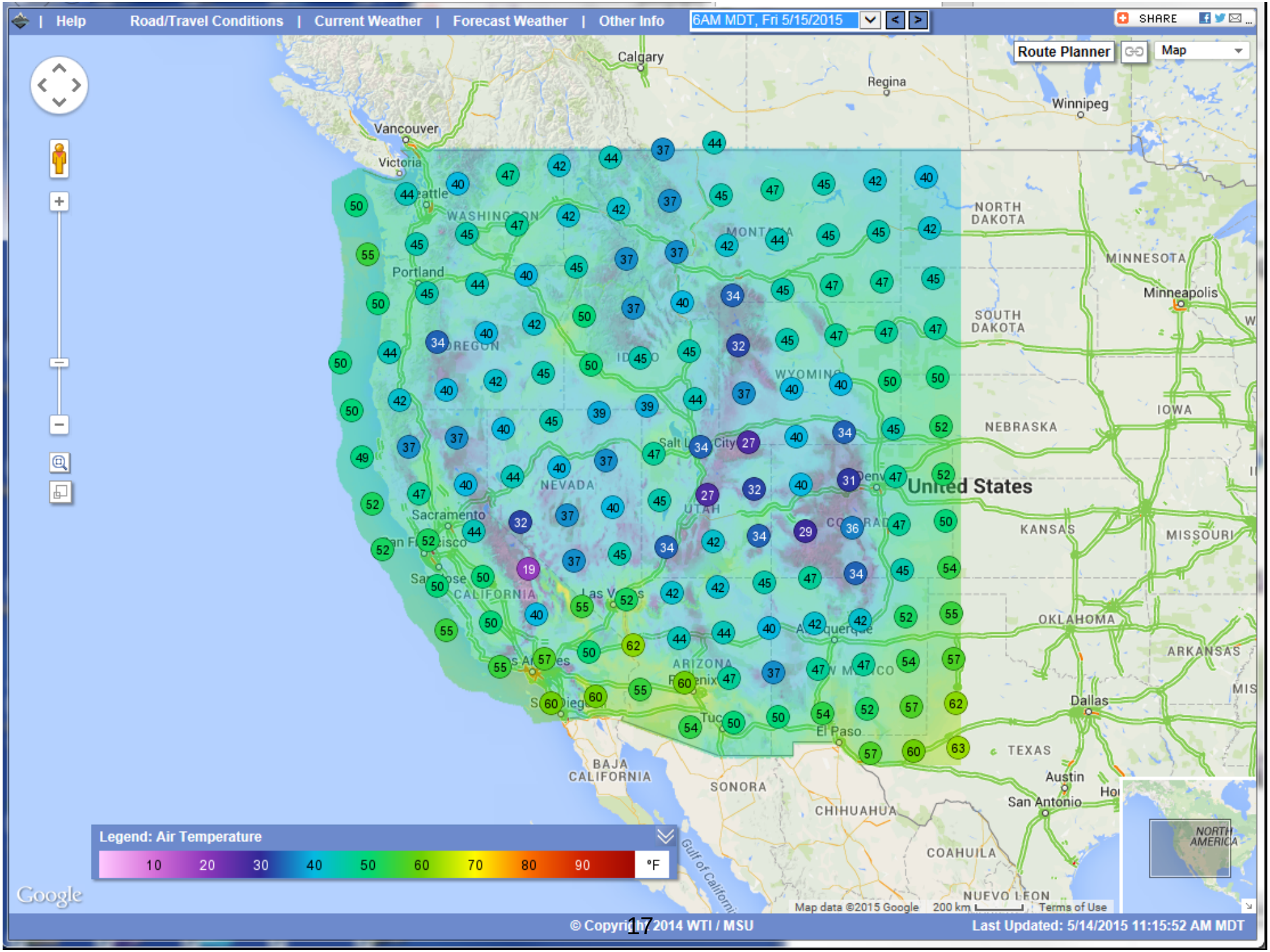
Sawtooth National Forest
Salmon - Challis National Forest
Sun Valley
Stanley
Craters of the Moon National
Morley Nelson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Road/Travel Conditions
Current Weather
Forecast Weather
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Route Planner
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Legend: Air Temperature
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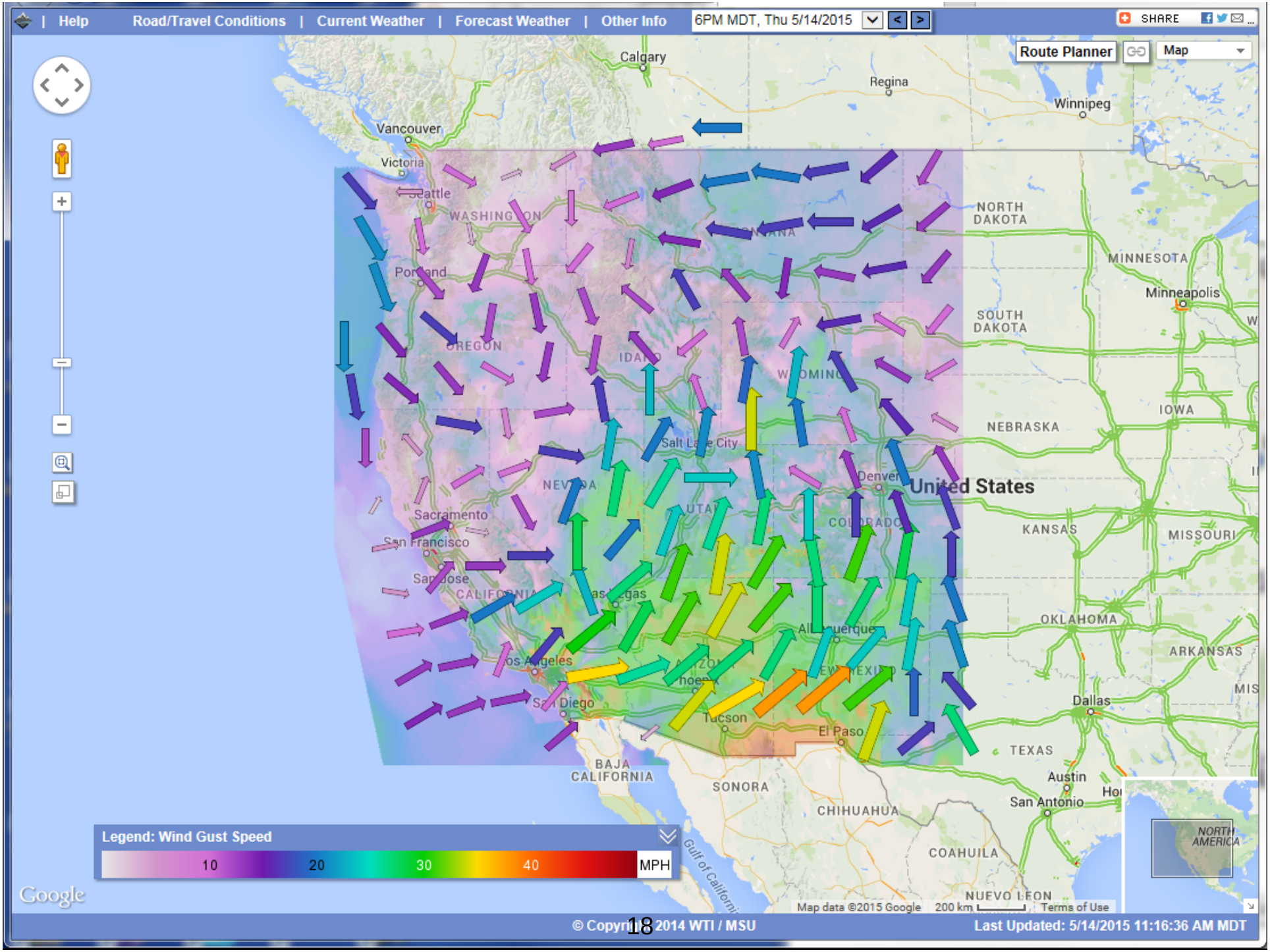
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Legend: Wind Gust Speed
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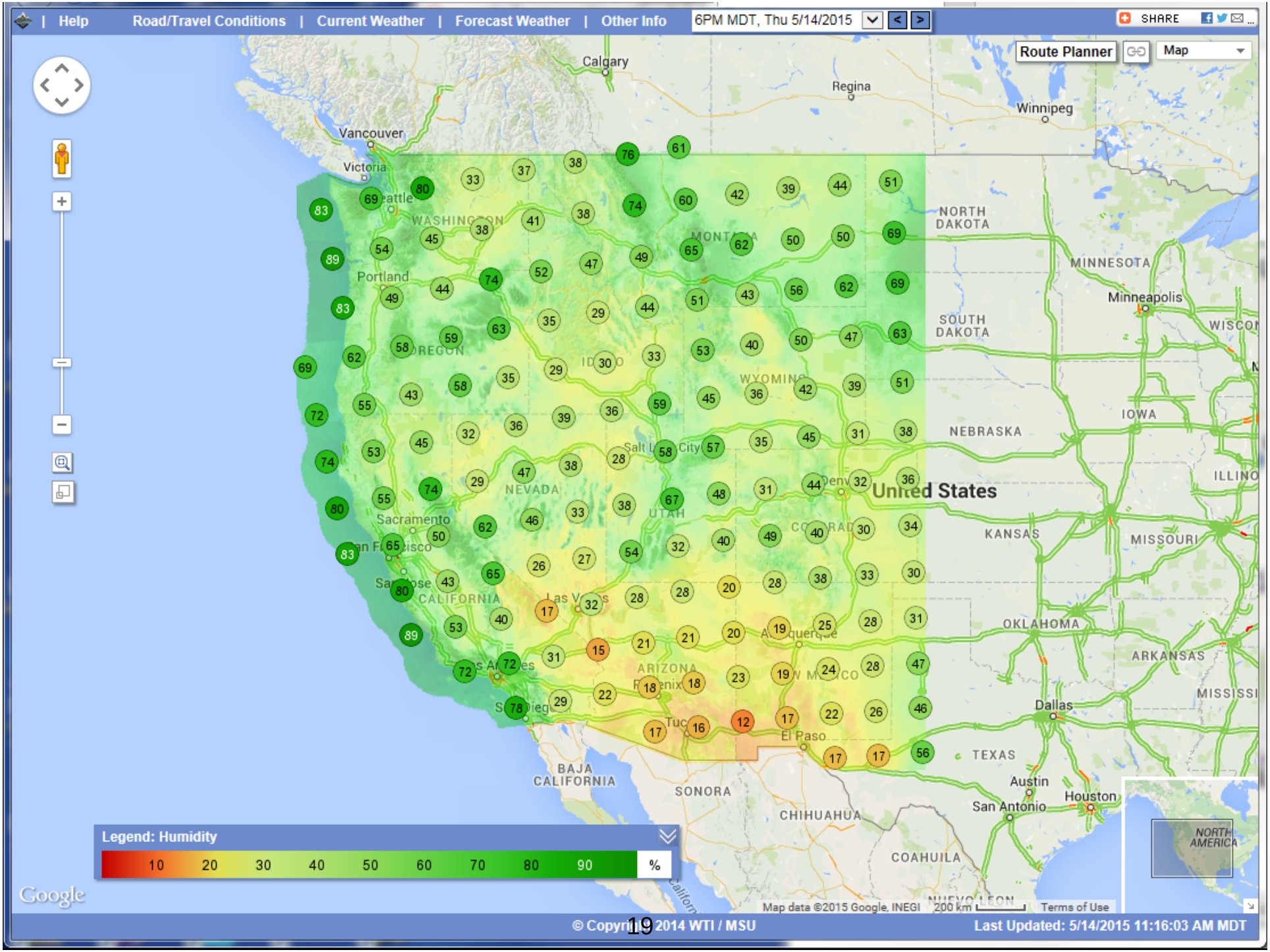
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Legend: Humidity
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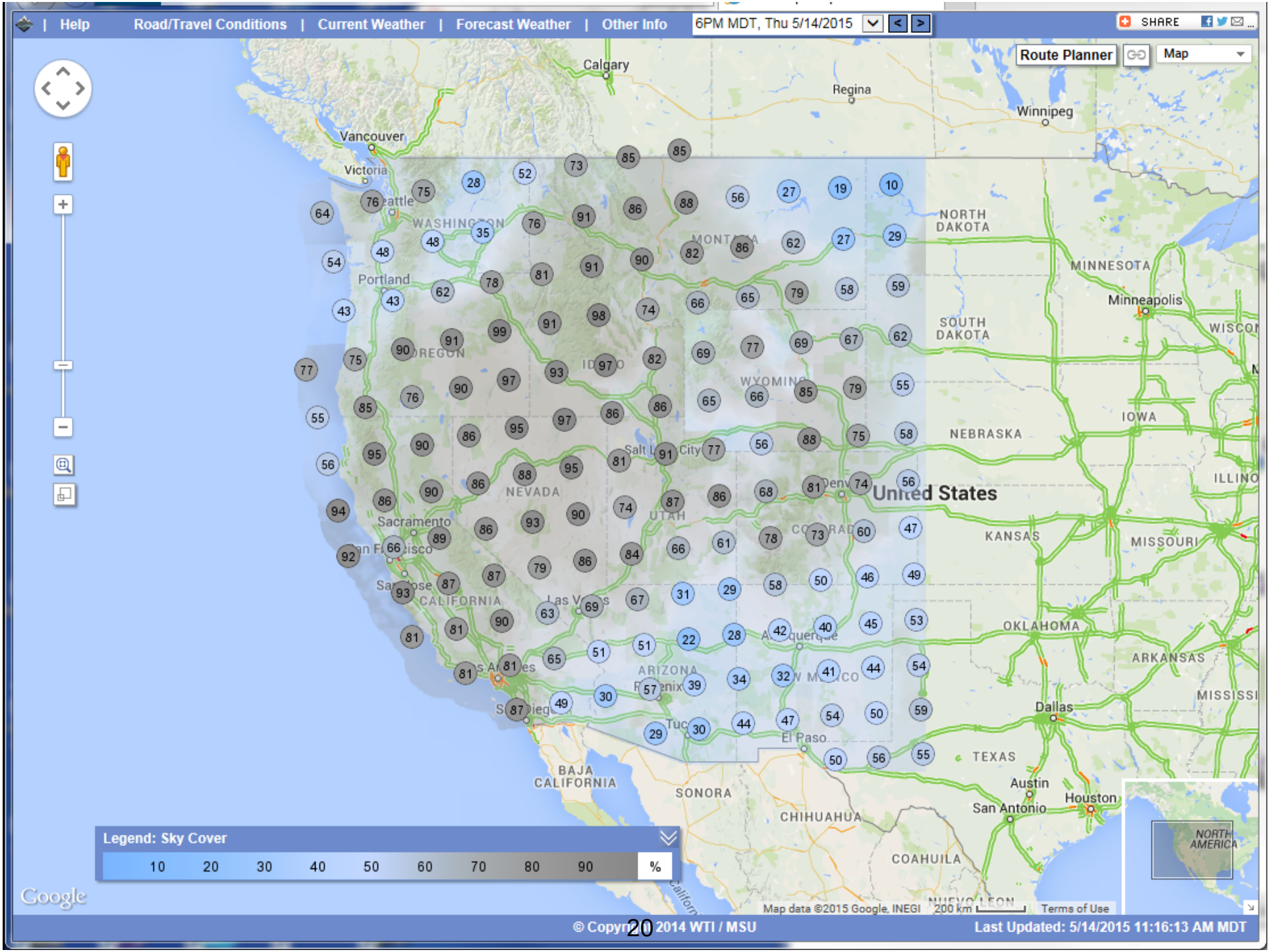
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Legend: Sky Cover
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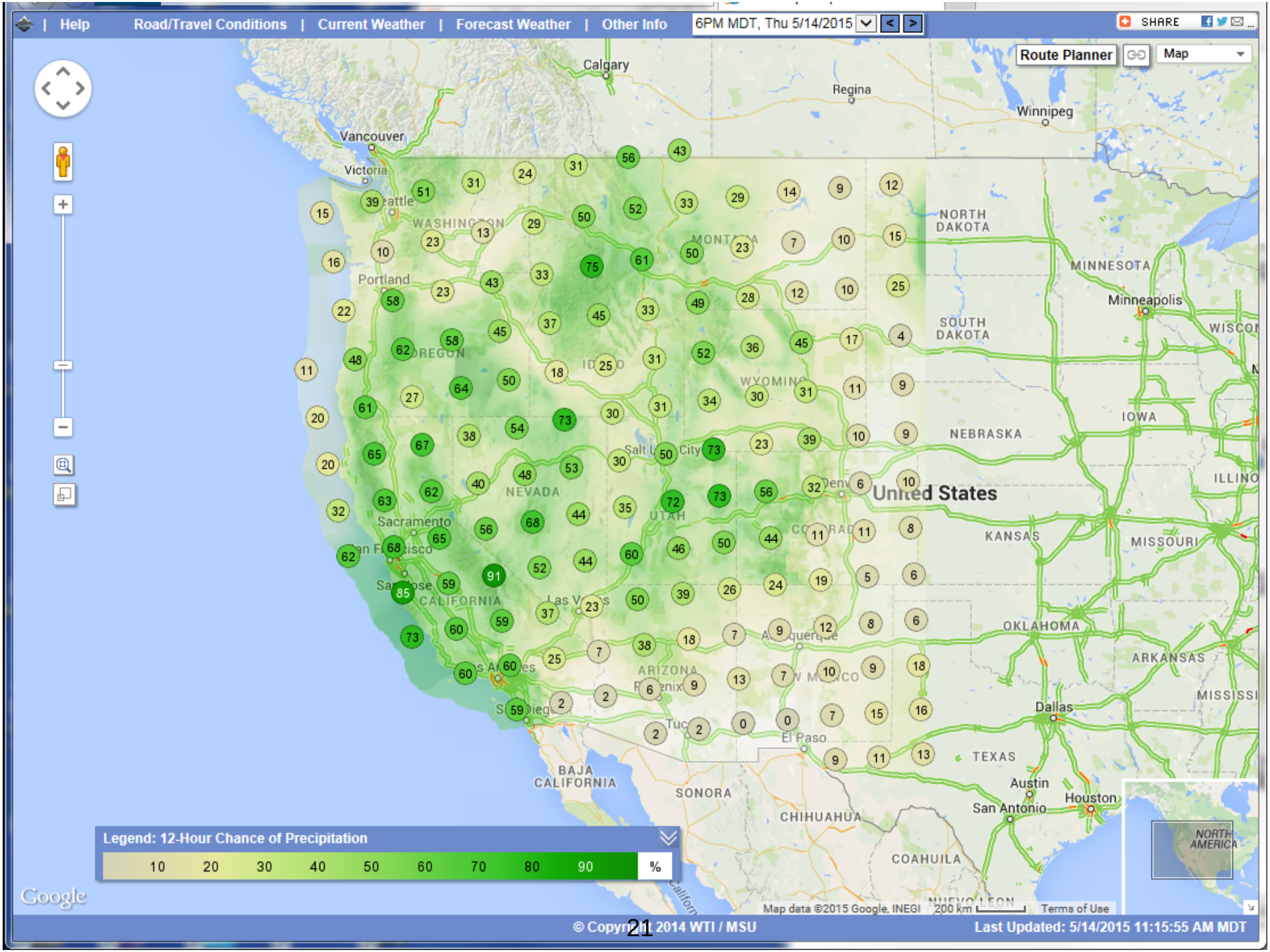
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United States
Legend: 12-Hour Chance of Precipitation
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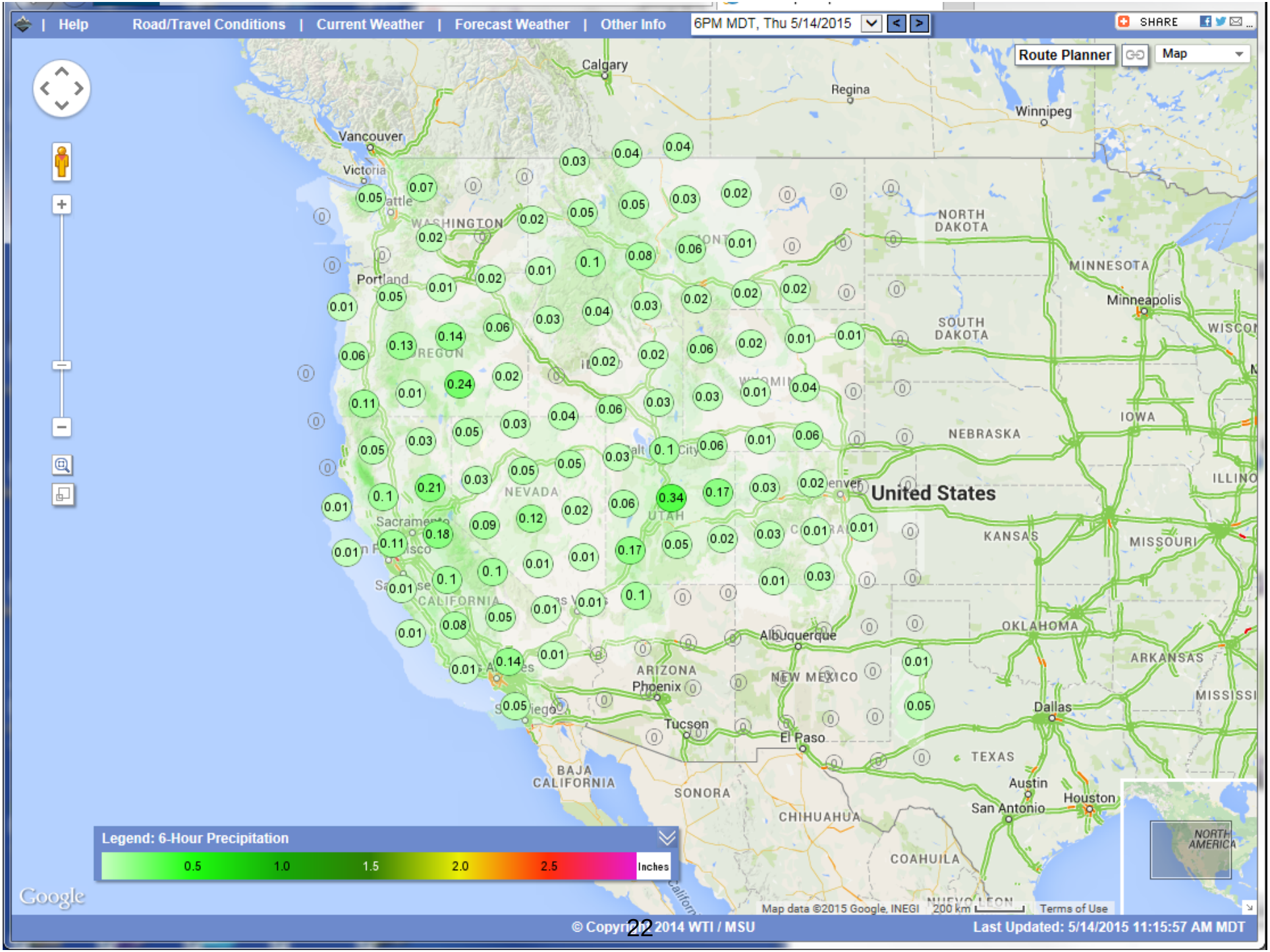
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Legend: 6-Hour Precipitation
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Map data ©2015 Google, INEGI
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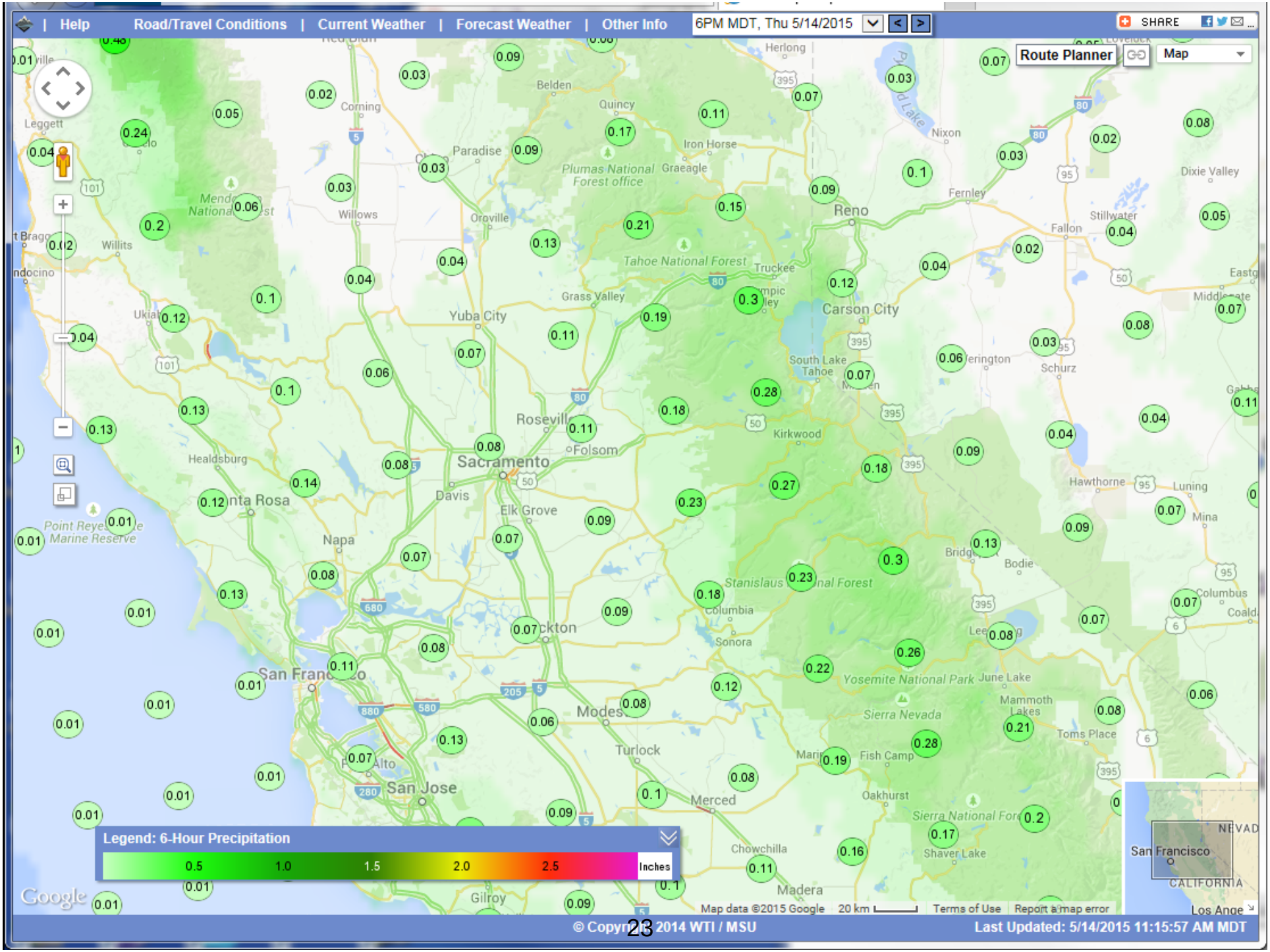
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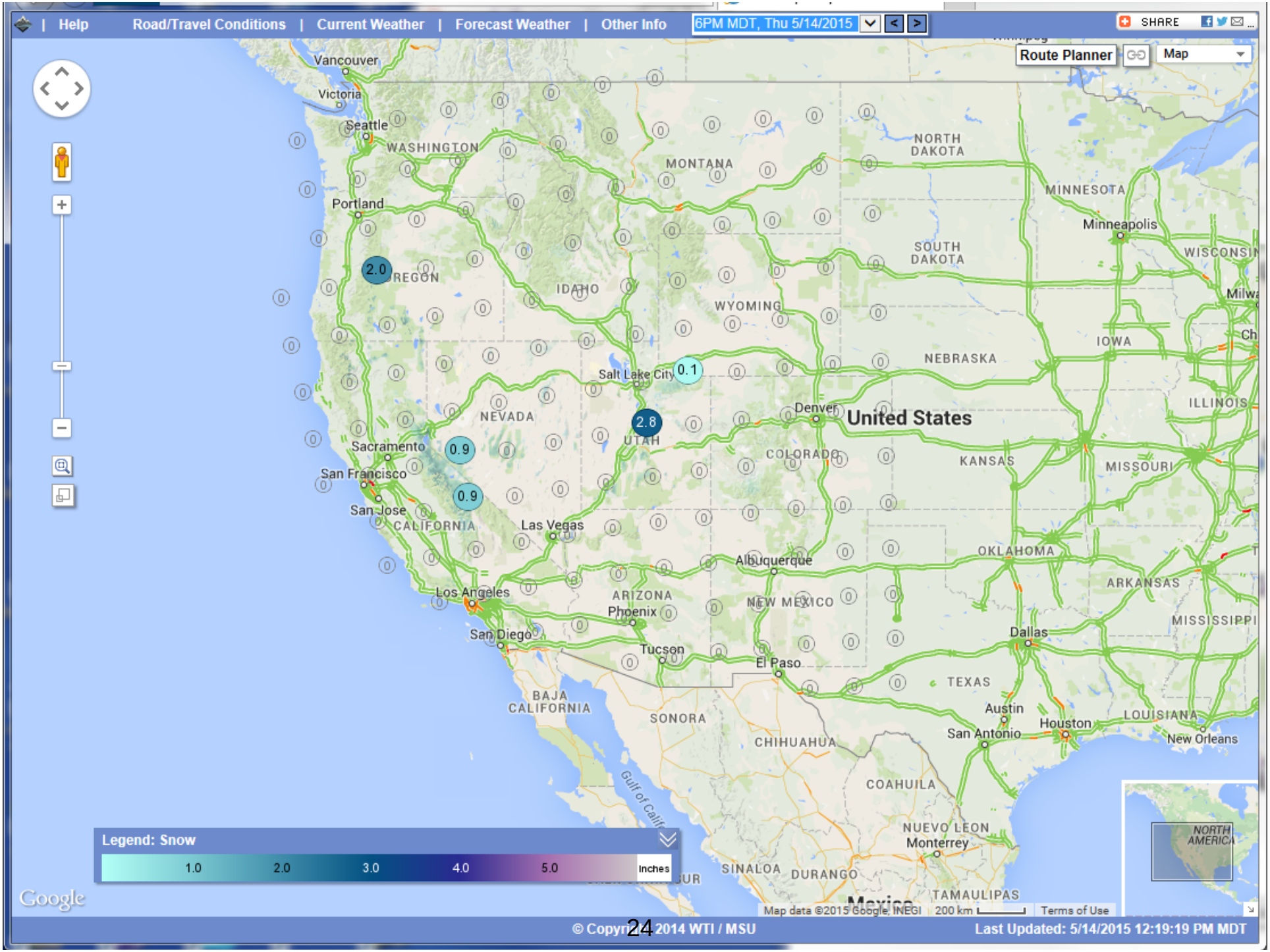
Help
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Other Info
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New Orleans
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Monterrey
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DURANGO
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Mexico
2.0
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Legend: Snow
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Inches
NORTH AMERICA
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Map data ©2015 Google, INEGI
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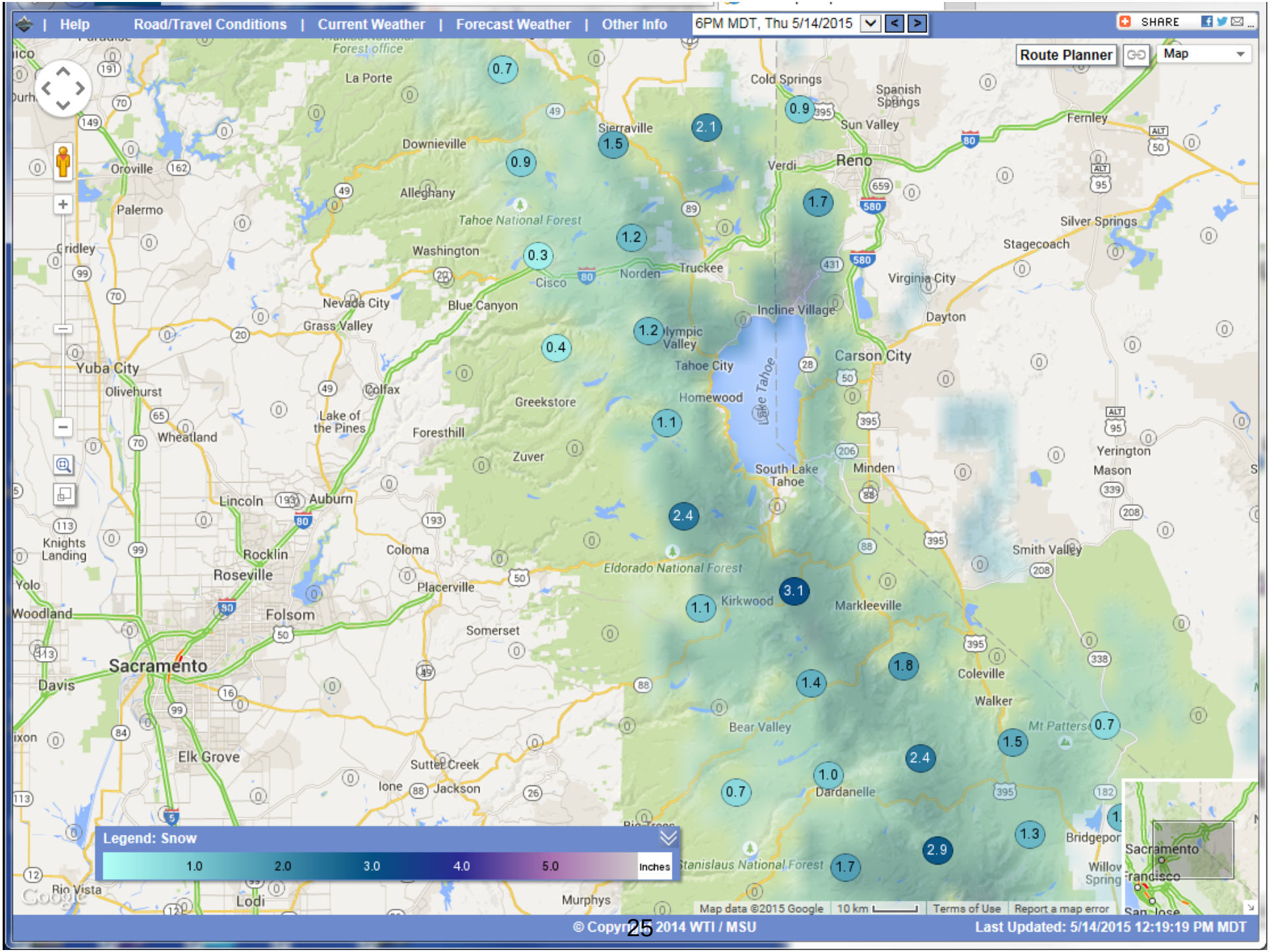
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Current Weather
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Other Info
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Legend: Snow
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Inches
Map data ©2015 Google
10 km
Terms of Use
Report a map error
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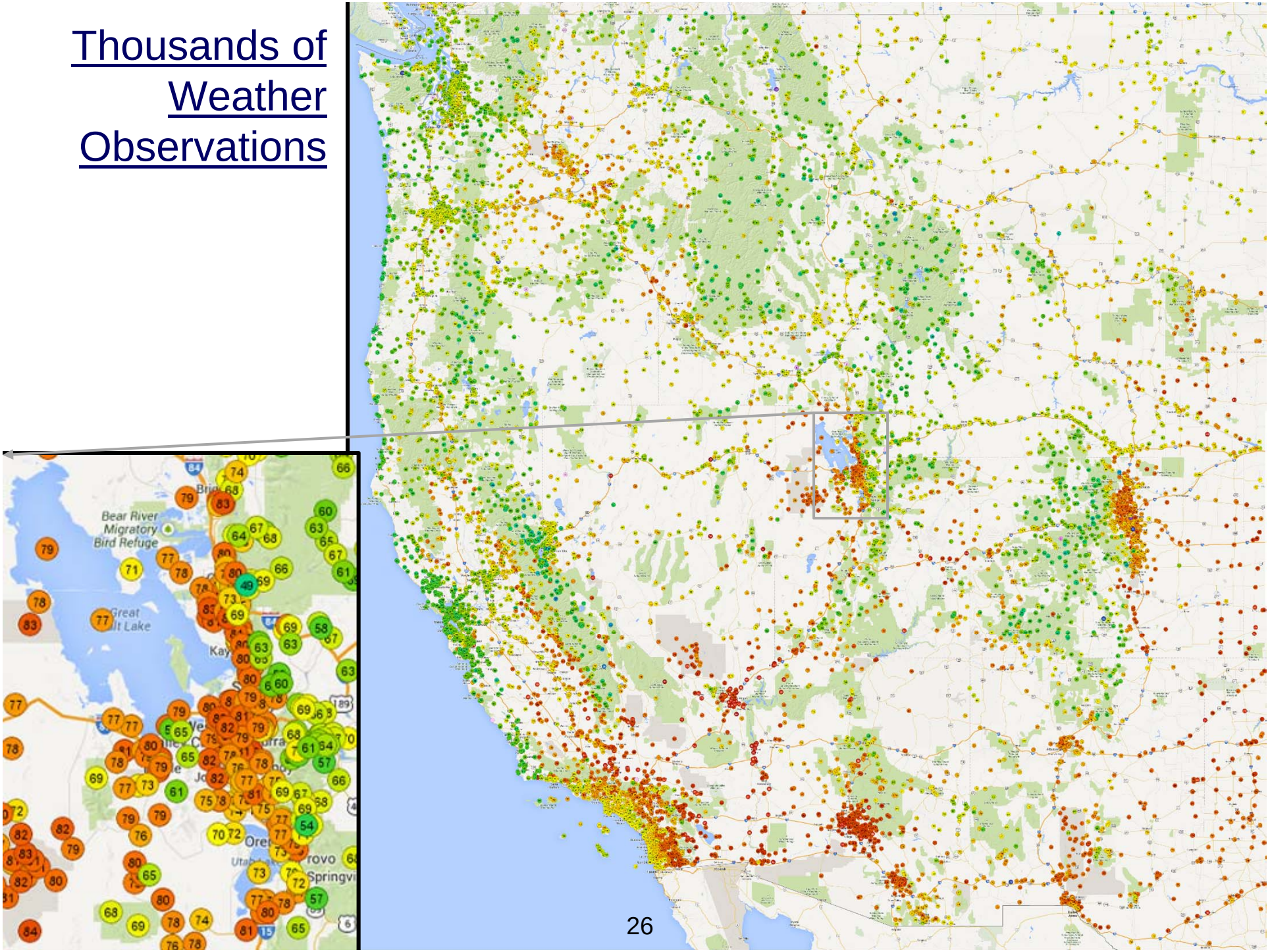
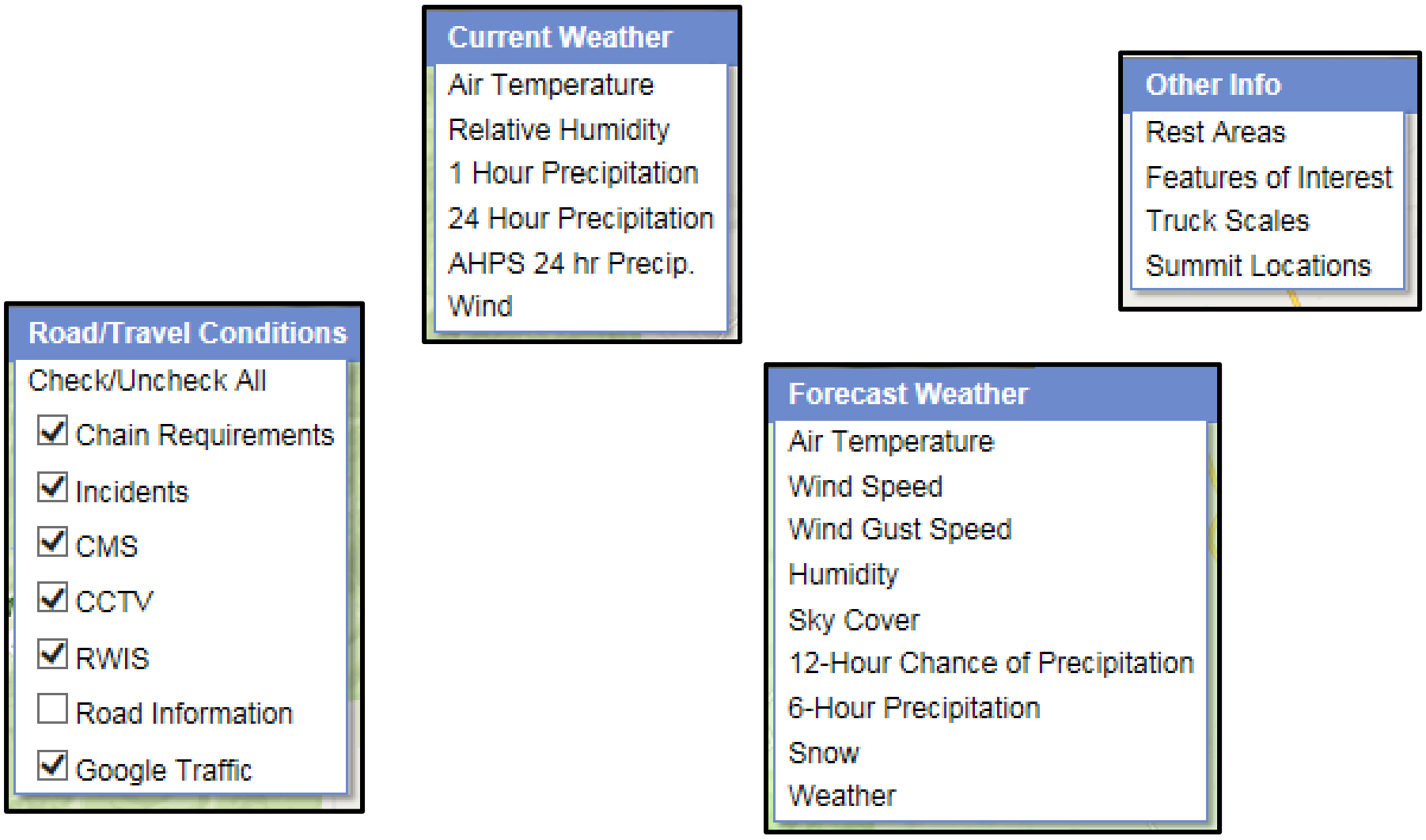
Last Updated: 5/14/2015 12:19:19 PM MDT

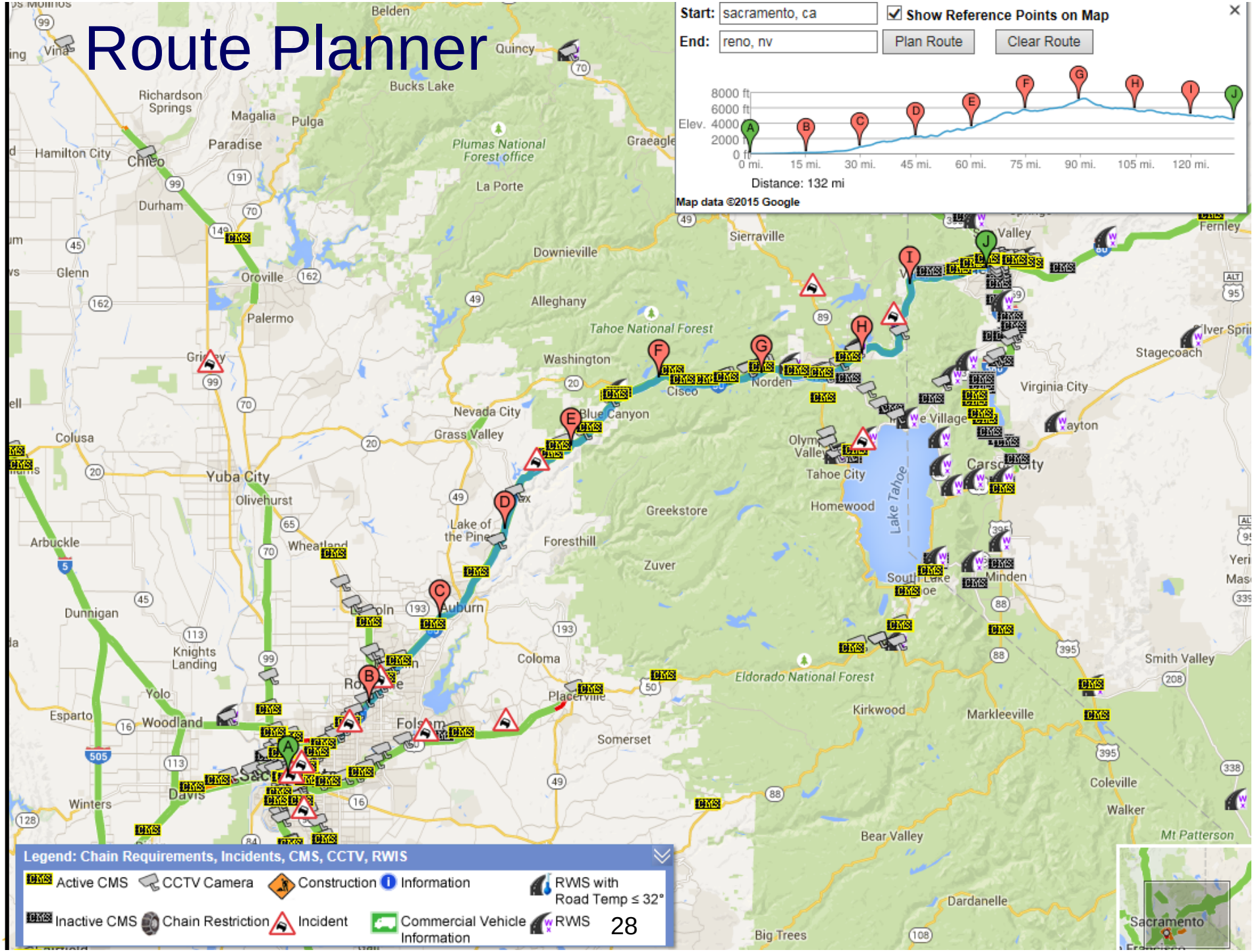
Thousands of Weather Observations



The Layers


Current Weather
Air Temperature
Relative Humidity
1 Hour Precipitation
24 Hour Precipitation
AHPS 24 hr Precip.
Wind
Other Info
Rest Areas
Features of Interest
Truck Scales
Summit Locations
Road/Travel Conditions
Check/Uncheck All
Chain Requirements
Incidents
CMS
CCTV
RWIS
Road Information
Google Traffic
Forecast Weather
Air Temperature
Wind Speed
Wind Gust Speed
Humidity
Sky Cover
12-Hour Chance of Precipitation
6-Hour Precipitation
Snow
Weather

Route Planner

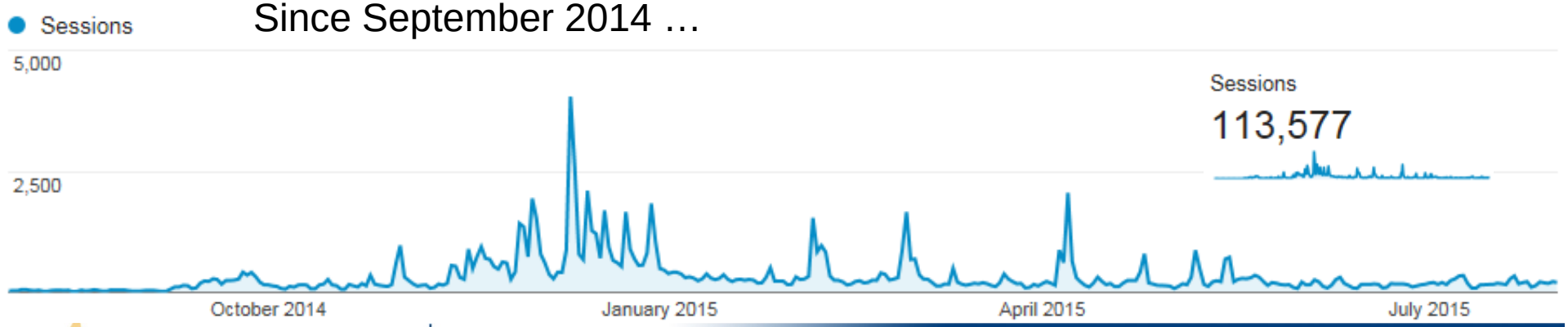


Expansion and Related Efforts

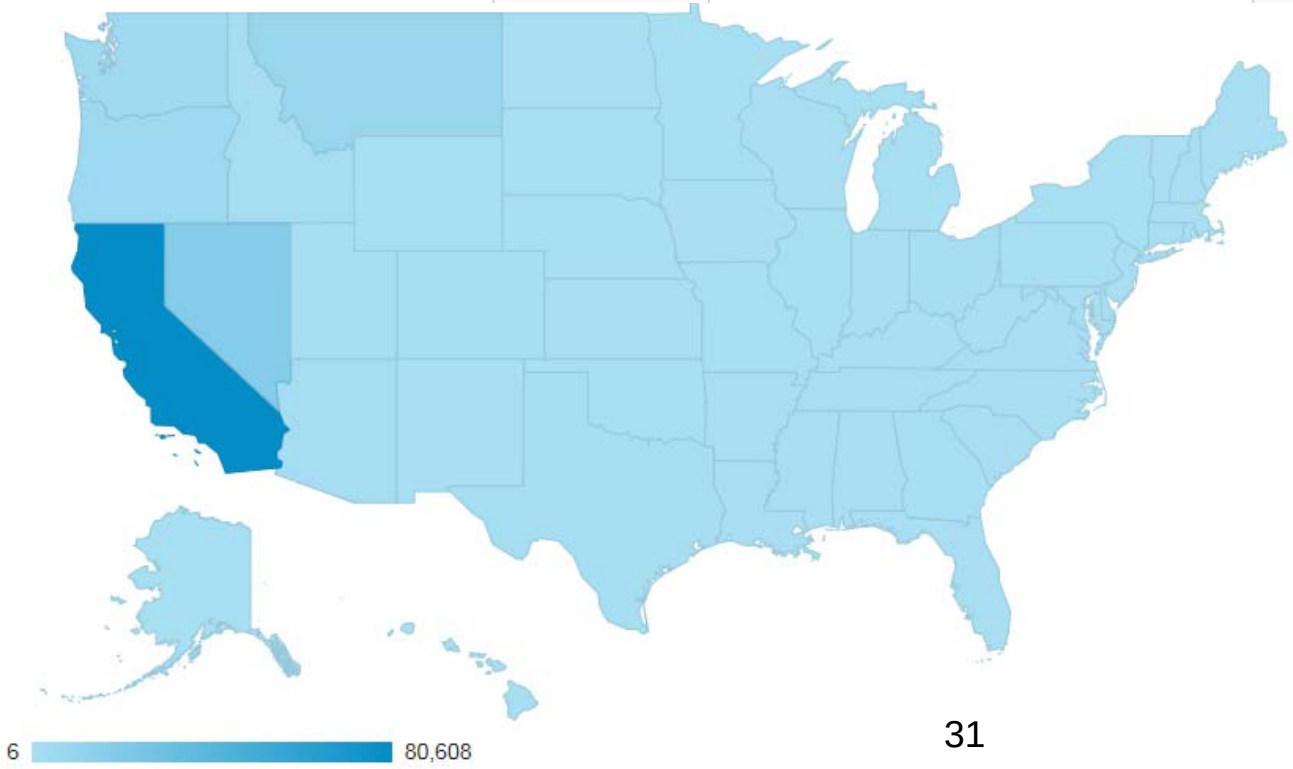
- *Summer 2014: The OSS team began experimenting with expanded coverage for weather conditions and forecasts.*
- *Summer 2014: Sean Campbell began work on feeds for CCTV and CMS from additional states.*
- *September 2014: The OSS team implemented mouse-over viewing of cameras and other data.*
- *September 2014: Caltrans (Sean Campbell) added links to OSS from the Caltrans camera/video page.*
- *November 2014: The OSS team expanded coverage from four states to eleven states.*
- *November 2014: An MSU press release is picked up by local (Montana) news and other regional sources.*

User Sessions

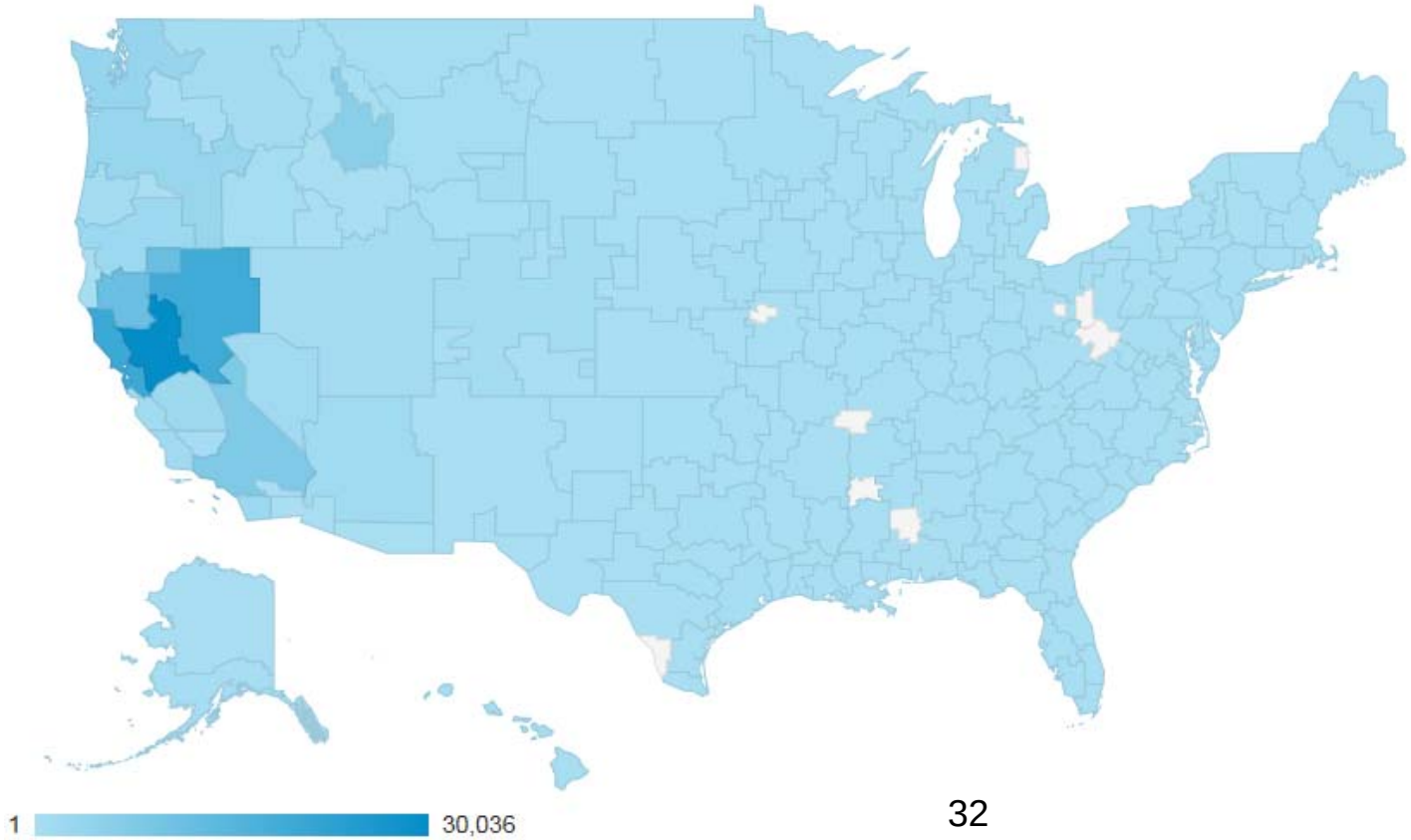
A session is a user visit to the site.



1.	California	80,608	(59.26%)
2.	Nevada	18,664	(13.72%)
3.	Montana	8,671	(6.37%)
4.	Oregon	6,191	(4.55%)
5.	Washington	4,874	(3.58%)
6.	Arizona	1,773	(1.30%)
7.	Idaho	1,580	(1.16%)
8.	Colorado	1,409	(1.04%)
9.	Texas	1,344	(0.99%)
10.	Ohio	924	(0.68%)
11.	Utah	867	(0.64%)
12.	Iowa	586	(0.43%)
13.	Florida	554	(0.41%)
14.	Wyoming	487	(0.36%)
15.	Illinois	468	(0.34%)
16.	Minnesota	429	(0.32%)
17.	Hawaii	421	(0.31%)
18.	Oklahoma	371	(0.27%)
19.	South Dakota	337	(0.25%)
20.	Missouri	327	(0.24%)
21.	Nebraska	325	(0.24%)
22.	Alaska	321	(0.24%)
23.	New York	317	(0.23%)
24.	Michigan	299	(0.22%)
25.	Connecticut	294	(0.22%)
26.	Pennsylvania	276	(0.20%)
27.	Georgia	273	(0.20%)
28.	(not set)	253	(0.19%)
29.	Virginia	248	(0.18%)
30.	New Mexico	246	(0.18%)
31.	Maryland	223	(0.16%)
32.	North Carolina	219	(0.16%)
33.	Tennessee	212	(0.16%)
34.	New Jersey	157	(0.12%)
35.	Massachusetts	149	(0.11%)
36.	Wisconsin	145	(0.11%)
37.	Kentucky	144	(0.11%)
38.	Kansas	140	(0.10%)
39.	District of Columbia	123	(0.09%)
40.	Arkansas	120	(0.09%)
41.	Mississippi	116	(0.09%)
42.	Indiana	113	(0.08%)
43.	Louisiana	107	(0.08%)
44.	(not set)	83	(0.06%)
45.	South Carolina	48	(0.04%)
46.	Alabama	47	(0.03%)
47.	Delaware	33	(0.02%)
48.	North Dakota	31	(0.02%)
49.	West Virginia	27	(0.02%)
50.	Maine	21	(0.02%)
51.	New Hampshire	15	(0.01%)
52.	Vermont	12	(0.01%)
53.	Rhode Island	6	(0.00%)



1.	Sacramento-Stockton-Modesto CA	30,036	(22.08%)
2.	San Francisco-Oakland-San Jose CA	19,963	(14.68%)
3.	Reno NV	19,115	(14.05%)
4.	Chico-Redding CA	11,551	(8.49%)
5.	Los Angeles CA	7,571	(5.57%)
6.	Butte-Bozeman Mount	5,855	(4.30%)
7.	Seattle-Tacoma WA	3,516	(2.58%)
8.	Portland OR	3,275	(2.41%)
9.	Medford-Klamath Falls OR	2,507	(1.84%)
10.	San Diego CA	2,358	(1.73%)
11.	Fresno-Visalia CA	2,036	(1.50%)
12.	Las Vegas NV	1,572	(1.16%)
13.	Phoenix AZ	1,557	(1.14%)
14.	Santa Barbara-Santa Maria-San Luis Obispo CA	1,473	(1.08%)
15.	Monterey-Salinas CA	1,306	(0.96%)
16.	Eugene OR	1,140	(0.84%)
17.	Denver CO	1,135	(0.83%)
18.	Spokane WA	1,118	(0.82%)
19.	Salt Lake City UT	980	(0.72%)
20.	Boise ID	890	(0.65%)
21.	Billings Mount	882	(0.65%)
22.	Missoula Mount	854	(0.63%)
23.	(not set)	700	(0.51%)
24.	Bakersfield CA	668	(0.49%)
25.	Great Falls Mount	651	(0.48%)
26.	Dallas-Ft. Worth TX	515	(0.38%)
27.	Helena Mount	490	(0.36%)
28.	Des Moines-Ames IA	489	(0.36%)
29.	Houston TX	450	(0.33%)
30.	Cincinnati OH	440	(0.32%)
31.	Cleveland-Akron (Canton) OH	427	(0.31%)
32.	Honolulu HI	418	(0.31%)
33.	Eureka CA	363	(0.27%)
34.	Rapid City SD	353	(0.26%)
35.	Washington DC (Hagerstown MD)	352	(0.26%)
36.	Chicago IL	351	(0.26%)
37.	Minneapolis-St. Paul MN	317	(0.23%)
38.	New York NY	314	(0.23%)
39.	Omaha NE	286	(0.21%)
40.	Anchorage AK	286	(0.21%)
41.	Yakima-Pasco-Richland-Kennewick WA	284	(0.21%)
42.	Hartford & New Haven CT	274	(0.20%)
43.	Palm Springs CA	250	(0.18%)
44.	Albuquerque-Santa Fe NM	248	(0.18%)
45.	Colorado Springs-Pueblo CO	247	(0.18%)
46.	Bend OR	241	(0.18%)
47.	Twin Falls ID	197	(0.14%)
48.	Tulsa OK	191	(0.14%)
49.	Idaho Falls-Pocatello ID	189	(0.14%)
50.	Detroit MI	180	(0.13%)



Accessed from
602 Communities
in California

1 15,389

1.	Sacramento	15,389 (19.09%)	11.	Roseville	1,000 (1.24%)	21.	Yuba City	592 (0.73%)
2.	Chico	4,915 (6.10%)	12.	South Lake Tahoe	963 (1.19%)	22.	Bakersfield	588 (0.73%)
3.	San Francisco	4,752 (5.90%)	13.	Susanville	950 (1.18%)	23.	Grover Beach	564 (0.70%)
4.	Redding	4,126 (5.12%)	14.	Truckee	689 (0.85%)	24.	El Dorado Hills	550 (0.68%)
5.	San Jose	1,829 (2.27%)	15.	Auburn	669 (0.83%)	25.	Elk Grove	527 (0.65%)
6.	Oakland	1,800 (2.23%)	16.	Rocklin	652 (0.81%)	26.	Weaverville	526 (0.65%)
7.	Los Angeles	1,736 (2.15%)	17.	Modesto	622 (0.77%)	27.	Corona	513 (0.64%)
8.	Folsom	1,269 (1.57%)	18.	Fresno	614 (0.76%)	28.	Red Bluff	497 (0.62%)
9.	San Diego	1,144 (1.42%)	19.	Oroville	614 (0.76%)	29.	El Cajon	486 (0.60%)
10.	Santa Rosa	1,142 (1.42%)	20.	Stockton	614 (0.76%)	30.	Fremont	469 (0.58%)
						31.	Santa Cruz	458 (0.57%)
						32.	Pleasanton	428 (0.53%)
						33.	Rancho Cordova	420 (0.52%)
						34.	Placerville	404 (0.50%)
						35.	Santa Clara	395 (0.49%)
						36.	Davis	390 (0.48%)
						37.	Carmichael	379 (0.47%)
						38.	Petaluma	363 (0.45%)
						39.	McClellan Park	341 (0.42%)
						40.	San Ramon	339 (0.42%)
						41.	Sunnyvale	336 (0.42%)
						42.	Grass Valley	331 (0.41%)
						43.	Monterey	329 (0.41%)
						44.	Milpitas	319 (0.40%)
						45.	San Rafael	318 (0.39%)
						46.	Mount Shasta	313 (0.39%)
						47.	Walnut Creek	306 (0.38%)
						48.	Citrus Heights	303 (0.38%)
						49.	Chester	293 (0.36%)
						50.	Visalia	293 (0.36%)

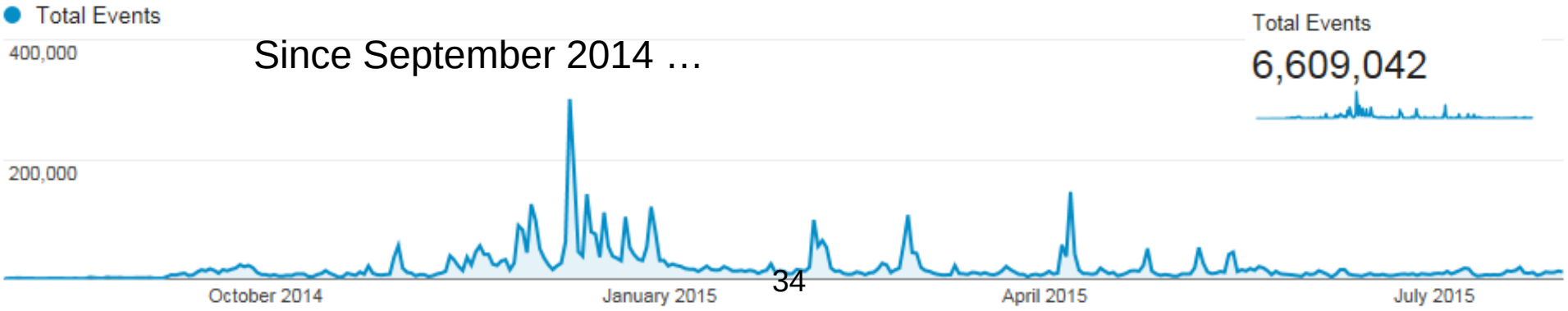
Events

1.	RTC-CCTV	5,130,129
2.	RTC-CMS	336,266
3.	RTC-Incidents	270,005
4.	RTC-ChainReq	140,547
5.	RTC-RWIS	133,332
6.	RTC-RoadInfo	99,288
7.	CWx-AirTemp	47,747
8.	FWx-Weather	21,533
9.	CWx-Wind	17,221
10.	CWx-24HrPrecip	10,885

An event is a user interaction such as selecting and icon or a layer.

Since November 2011 …

Since September 2014 …



Traffic Sources / Referrals

1.	(direct) / (none)	78,796	(56.85%)
2.	dot.ca.gov / referral	46,051	(33.22%)
3.	google / organic	4,522	(3.26%)
4.	westernstates.org / referral	1,390	(1.00%)
5.	montana.edu / referral	1,285	(0.93%)
6.	visitmtshasta.com / referral	853	(0.62%)
7.	bing / organic	702	(0.51%)
8.	co.shasta.ca.us / referral	579	(0.42%)
9.	yahoo / organic	495	(0.36%)
10.	kbzk.com / referral	337	(0.24%)
11.	cawscportal.wr.usgs.gov / referral	331	(0.24%)
12.	facebook.com / referral	321	(0.23%)
13.	m.facebook.com / referral	304	(0.22%)
14.	intranet / referral	268	(0.19%)
15.	lassenhigh.org / referral	197	(0.14%)
16.	csntoday.org / referral	187	(0.13%)
17.	carsonnow.org / referral	131	(0.09%)
18.	l.facebook.com / referral	96	(0.07%)
19.	semalt.com / referral	87	(0.06%)
20.	kxlf.com / referral	86	(0.06%)
21.	actionnewsnow.com / referral	65	(0.05%)
22.	excite.com / referral	63	(0.05%)
23.	pwinet / referral	55	(0.04%)
24.	tripadvisor.com / referral	54	(0.04%)
25.	wtiwebdev.coe.montana.edu:50004 / referral	54	(0.04%)
26.	westerntransportationinstitute.org / referral	52	(0.04%)
27.	69.51.77.202:81 / referral	50	(0.04%)
28.	lassenuhsd.lhs.schoolfusion.us / referral	50	(0.04%)
29.	lm.facebook.com / referral	48	(0.03%)
30.	us.mg203.mail.yahoo.com / referral	45	(0.03%)
31.	redbluffdailynews.com / referral	40	(0.03%)
32.	spokesman.com / referral	35	(0.03%)
33.	thetruckersreport.com / referral	35	(0.03%)
34.	t.co / referral	33	(0.02%)
35.	bozemanmagazine.com / referral	31	(0.02%)
36.	californiaagricultural.com / referral	29	(0.02%)
37.	transportationradio.wordpress.com / referral	29	(0.02%)
38.	onramp.dot.ca.gov / referral	27	(0.02%)
39.	greatfallstribune.mt.newsmemory.com / referral	26	(0.02%)
40.	transnet.odot.state.or.us / referral	26	(0.02%)
41.	36ohk6dgmcd1n-c.c.yom.mail.yahoo.net / referral	25	(0.02%)
42.	crawler.semalt.com / referral	23	(0.02%)
43.	charter.net / referral	22	(0.02%)
44.	babylon / organic	20	(0.01%)
45.	caltrans.ca.gov / referral	20	(0.01%)
46.	staging.csntoday.org / referral	20	(0.01%)
47.	10.160.32.18 / referral	19	(0.01%)
48.	semalt.semalt.com / referral	19	(0.01%)
49.	duckduckgo.com / referral	16	(0.01%)
50.	webhelper.centurylink.com / referral	16	(0.01%)

MONTANA STATE UNIVERSITY

1.	/research/its/cctv/hq/nevada.htm	34,752	(75.46%)
2.	/dist2/cctv/allcams.shtml	3,005	(6.53%)
3.	/research/its/cctv/hq/oregon.htm	2,942	(6.39%)
4.	/dist2/	2,398	(5.21%)
5.	/dist2/chainup/allcntys.htm	1,132	(2.46%)
6.	/research/its/cctv/hq/arizona.htm	759	(1.65%)
7.	/dist2/index.shtml	335	(0.73%)
8.	/dist2/maps.htm	219	(0.48%)
9.	/dist10/	185	(0.40%)
10.	/ctnews/sep14/tc03.shtml	141	(0.31%)
11.	/research/OSS.htm	58	(0.13%)
12.	/hq/paffairs/news/pressrel/14pr097.htm	39	(0.08%)
13.	/research/its/cctv/iframemap.htm	28	(0.06%)
14.	/dist3/departments/traffic/cameras/	24	(0.05%)
15.	/dist6/cctv/	17	(0.04%)
16.	/ctnews/sep14/sum.shtml	10	(0.02%)
17.	/	3	(0.01%)
18.	/ctjournal/2012CTJournal_Annual_Report/CTJournal2012.html	1	(0.00%)
19.	/ctjournal/2012CTJournal_Annual_Report/Journal_samp.html	1	(0.00%)
20.	/dist2/pdf/oss091214.pdf	1	(0.00%)
21.	/dist2/planning/pdf/sr139tcr.pdf	1	(0.00%)

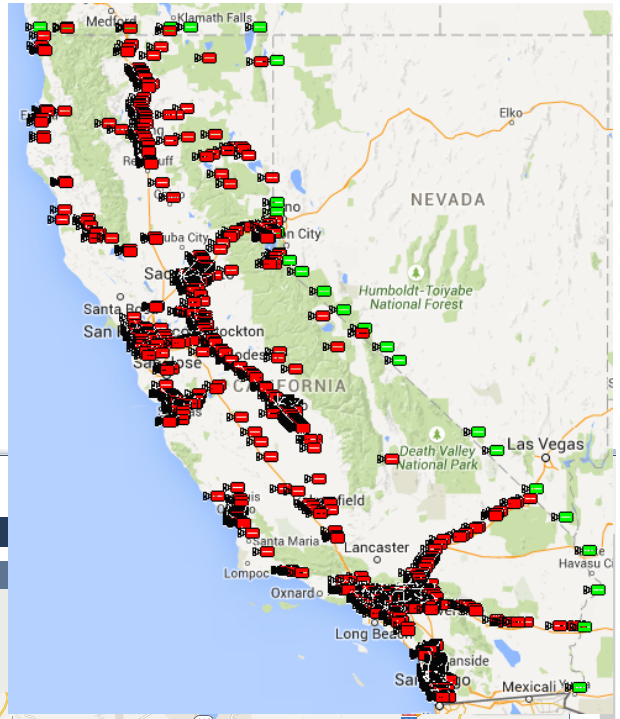
Caltrans Links

ONE STOP SHOP

http://dot.ca.gov/dist2/

http://dot.ca.gov/dist3/departments/traffic/cameras/

1.	/research/its/cctv/hq/nevada.htm	31,146	(85.57%)
2.	/research/its/cctv/hq/oregon.htm	2,672	(7.34%)
3.	/dist2/	817	(2.24%)
4.	/research/its/cctv/hq/arizona.htm	612	(1.68%)



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District 3 & North Region Map | Travel Information Map | Caltrans District Map |

ADDITIONAL LINKS

- District 3 Projects
- District 3 Planned Roadwork
- Live Traffic Cameras
- District 3 Divisions
- Latest News and Traffic Alerts
- Request for As-Built Plans
- Damage Claims
- All District Offices
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- Contact Us

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- California Highway Patrol
- Department of MotorVehicles

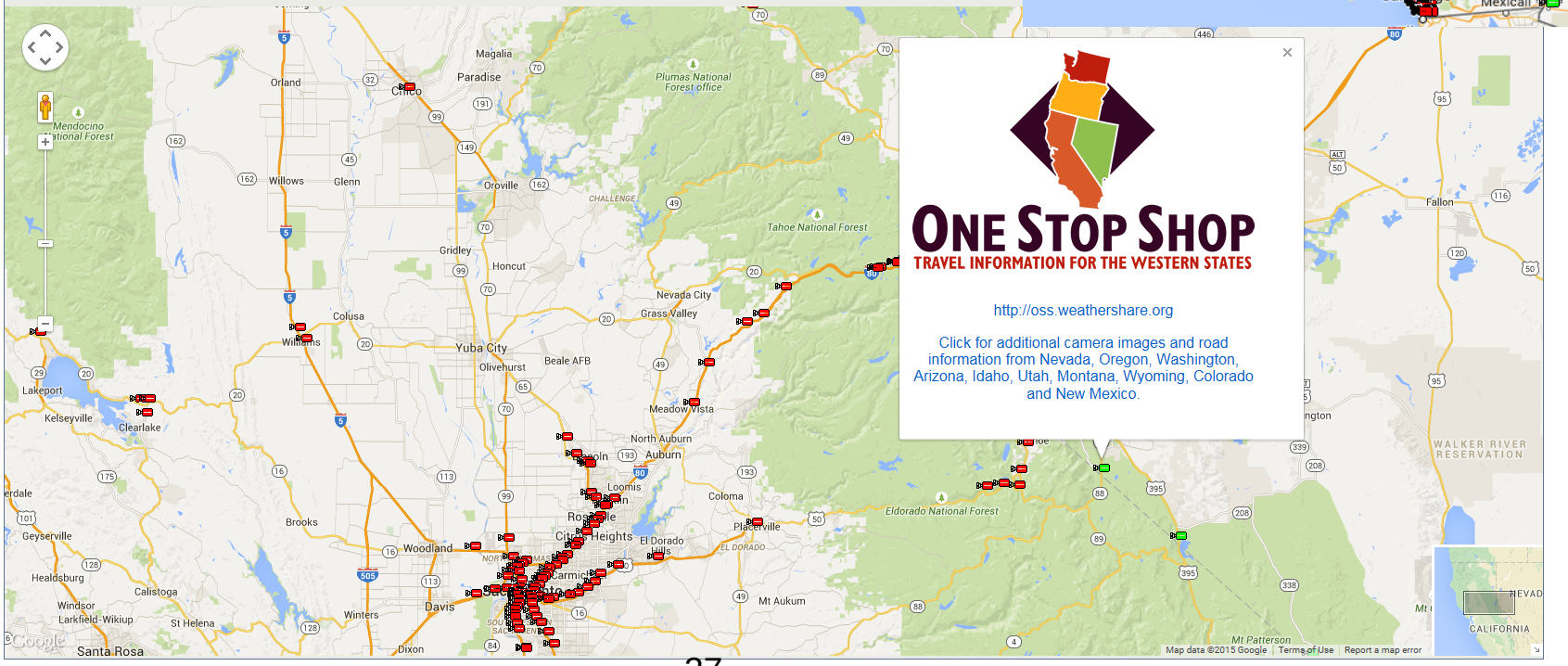
Caltrans

DISTRICT 3 - BUTTE, COLUSA,EL DORADO, GLENN, NEVADA, PLACER, SACRAMENTO, SIERRA, SUTTER, YOLO AND YUBA COUNTIES

Smart Phone Users - Click here for Caltrans Sacramento area traffic cameras

The live traffic videos are in a Windows Video format. In order to play them on a Mac you will need to install the Windows Media Components for QuickTime.
http://windows.microsoft.com/en-US/windows/products/windows-media-player/wmcomponents

Click on a red camera icon on the map to view an image



ONE STOP SHOP
TRAVEL INFORMATION FOR THE WESTERN STATES

http://oss.weathershare.org

Click for additional camera images and road information from Nevada, Oregon, Washington, Arizona, Idaho, Utah, Montana, Wyoming, Colorado and New Mexico.

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MSU Links

http://www.montana.edu/news/15240/msu-39-s-wti-launches-new-traveler-website-for-montana-rockies-region

http://www.montana.edu/weather/

1.	/news/15240/msu-39-s-wti-launches-new-traveler-website-for-montana-rockies-region	1,063 (84.23%)
2.	/news/15120/wti-project-wins-award-for-intelligent-transportation-technology	185 (14.66%)
3.	/weather/	14 (1.11%)

MONTANA STATE UNIVERSITY

Montana State University > Weather and Road Conditions

Weather and Road Conditions

- One-Stop Shop for Traveler Information (OSS)
- Montana State University ECE/ORSL Weather Station
- Gallatin National Forest Avalanche Center Advisories

Montana Department of Transportation

- Montana Hourly Weather Roundup
- Montana Zone Forecasts -- Western
- Montana Zone Forecasts -- Southwest and North Central
- Montana Zone Forecasts -- South Central and Southeast
- Montana Zone Forecasts -- Northeast
- State Forecast for Montana
- Extended Outlook for Montana
- Montana Weather Summary

- Montana Detailed Road Report
- Montana Road Report Maps and Traveler Information

The NWS weather and road information is provided by a network feed from the Montana Department of Transportation. Weather items are updated starting at 20 minutes after the hour. Road reports are updated around 7:00 a.m. every day, and again around 3:00 p.m. except for weekends and holidays. Road reports may be updated during the day as conditions warrant.

MONTANA STATE UNIVERSITY A-Z Index | Directories Search MSU GO

University Communications > MSU News

MSU's WTI launches new traveler website for Montana, Rockies region

November 14, 2014 -- MSU News Service

BOZEMAN – As Montanans prepare for the winter holiday travel season, a website developed at Montana State University is set to provide motorists in the Rocky Mountain region with up-to-the-minute information on weather and road conditions.

The One-Stop Shop for Traveler Information (OSS), which was developed at MSU's Western Transportation Institute and sponsored by Caltrans, offers travelers a website that integrates weather and road information from multiple Western states. Unlike websites for state transportation departments, the OSS provides travelers with current road information that does not stop at jurisdictional boundaries. Combined with real-time weather information, the OSS provides motorists with a seamless decision-making tool for maintaining and enhancing traveler safety and mobility.

While the award-winning website has been in operation since 2011 for routes in California, Oregon, Washington and Nevada, the WTI team working on the project have now added Montana, Idaho, Wyoming, Utah, Colorado, New Mexico and Arizona.

Doug Galarus, senior research scientist and manager of WTI's Systems Engineering, Integration and Development Program, said the pioneering effort at integrating information from various agencies will be a major asset to motorists in the Rockies, where winter driving can be particularly hazardous.

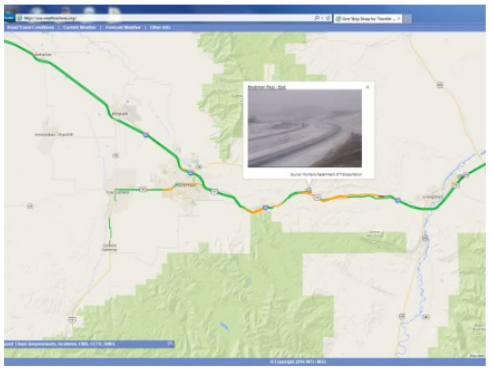
"During a storm that hit California over the Halloween weekend, we had nearly 2,000 user sessions and showed over 87,000 roadside camera images to users mostly in California and Nevada," Galarus said. "With the expansion to other states, including Montana, and with winter having just started, we really think the site will take off."

With its mission to make rural transportation systems safer for everyone, Galarus said that OSS is the kind work that WTI was meant to do.

WTI is a collaborative research partnership involving MSU's College of Engineering, the Montana Department of Transportation and California's Caltrans, which serves the nation's most populous state. Now celebrating its 20th year, the Western Transportation Institute at MSU was established to provide innovative solutions to transportation problems at all levels, from local to international. More information about the WTI is available at www.westerntransportationinstitute.org.

Contact: Doug Galarus, (406) 994.5268 or dgalarus@coe.montana.edu.

18 Recommend 1 Tweet 1 +1 6 Share



The One-Stop Shop for Traveler Information (OSS), which was developed at MSU's Western Transportation Institute and sponsored by Caltrans, offers travelers a website that integrates weather and road information from multiple Western states that does not stop at jurisdictional boundaries. Combined with real-time weather information, the OSS provides motorists with a seamless decision-making tool for maintaining and enhancing traveler safety and mobility.

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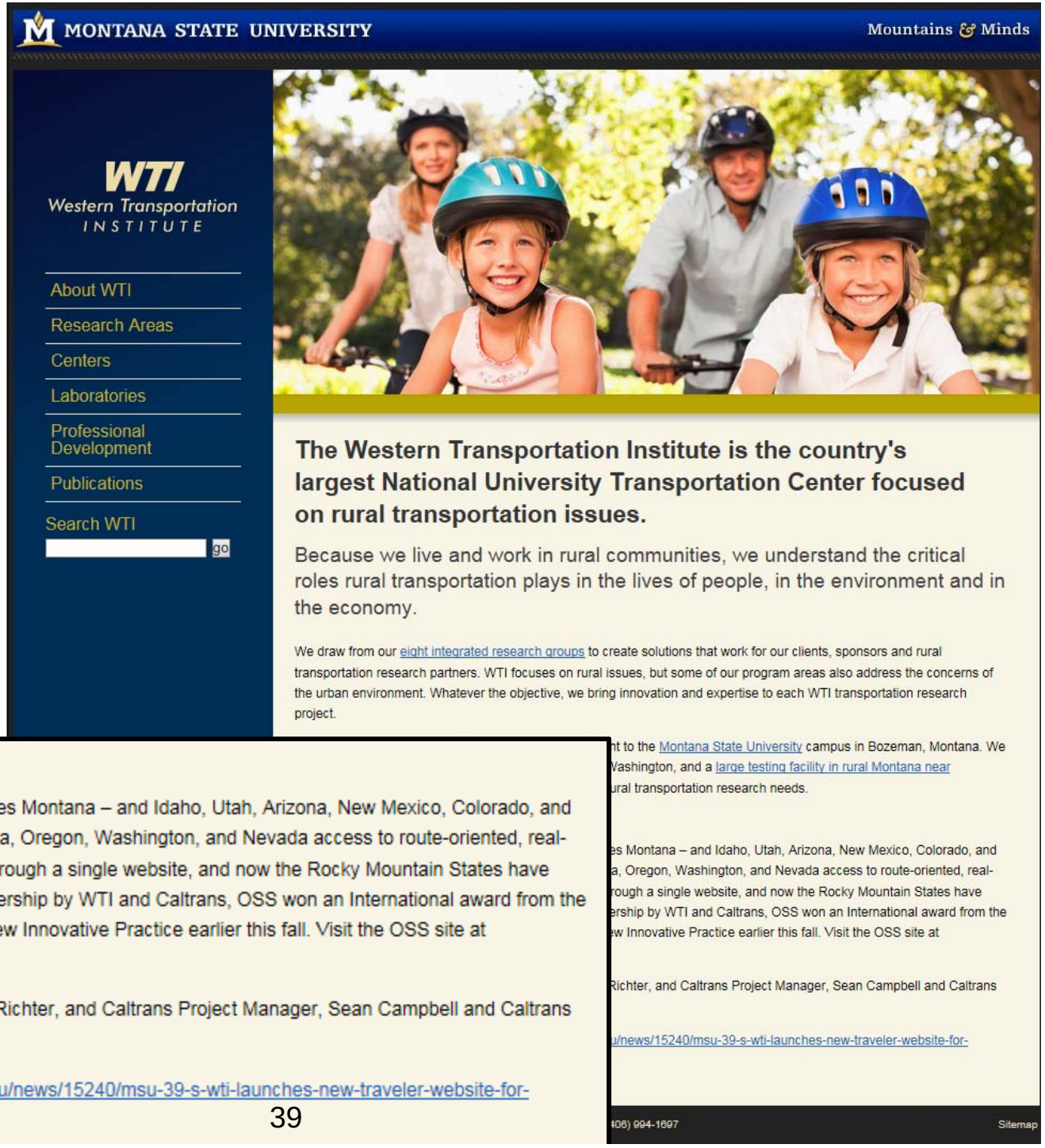
WTI Link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The Western Transportation Institute is the country's largest National University Transportation Center focused on rural transportation issues.
Because we live and work in rural communities, we understand the critical roles rural transportation plays in the lives of people, in the environment and in the economy.
We draw from our eight integrated research groups to create solutions that work for our clients, sponsors and rural transportation research partners. WTI focuses on rural issues, but some of our program areas also address the concerns of the urban environment. Whatever the objective, we bring innovation and expertise to each WTI transportation research project.
WTI Project News
The One Stop Shop for Traveler Information now includes Montana – and Idaho, Utah, Arizona, New Mexico, Colorado, and Wyoming! OSS has been providing travelers in California, Oregon, Washington, and Nevada access to route-oriented, real-time and near real time weather and road information through a single website, and now the Rocky Mountain States have access to this valuable traveler tool. Developed in partnership by WTI and Caltrans, OSS won an International award from the Intelligent Transportation Society of America for Best New Innovative Practice earlier this fall. Visit the OSS site at http://oss.weathershare.org/.
Great job goes out to Doug Galarus, Leann Koon, Dan Richter, and Caltrans Project Manager, Sean Campbell and Caltrans Project Champion, Ian Turnbull.
See the MSU news article here: http://www.montana.edu/news/15240/msu-39-s-wti-launches-new-traveler-website-for-montana-rockies-region
Sitemap

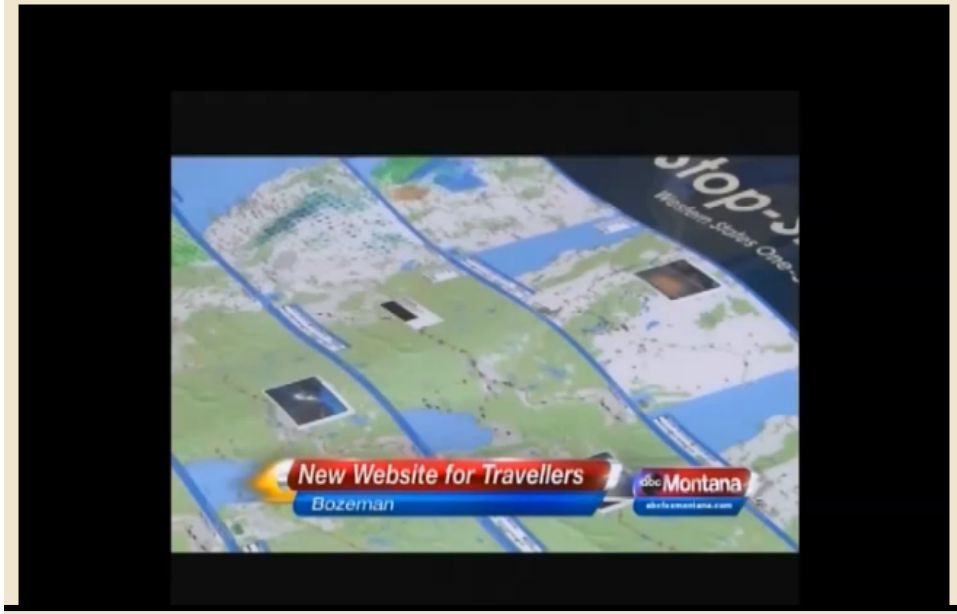
On the News …

D2 on ActionNewsNow (February 2014)

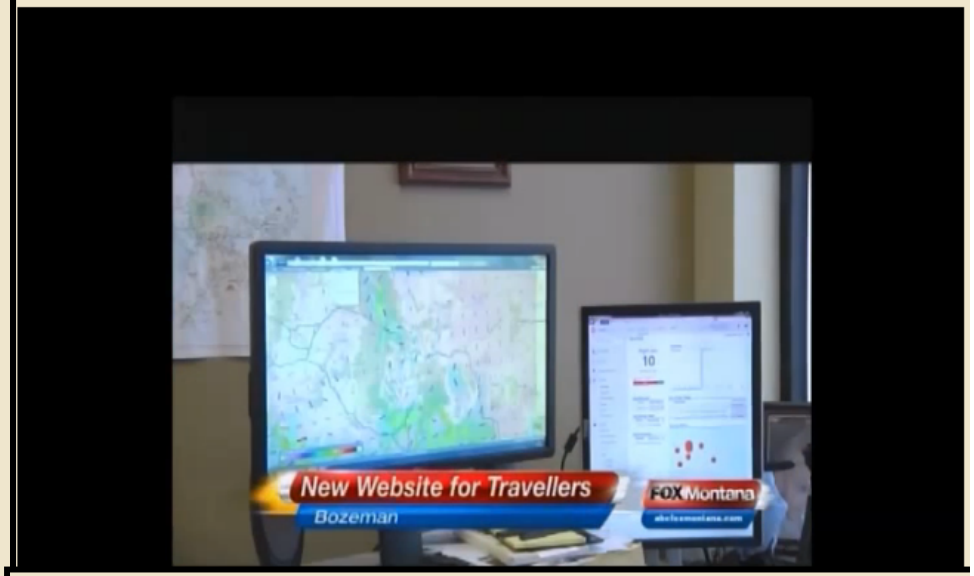
http://www.westernstates.org/Projects/OSS/Updates/2014-02-21.html

http://www.westernstates.org/Projects/OSS/Updates/2015-04-06.html

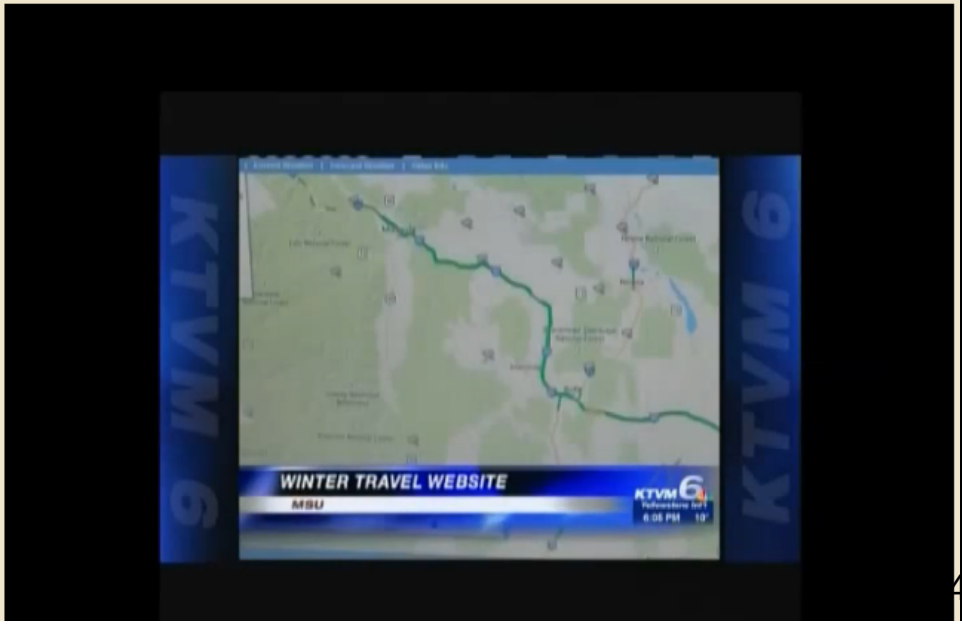
ABC Montana (November 16th, 2014)



FOX Montana (November 16th, 2014)



KTVM (November 17th, 2014, 10 PM)



KTVM (November 17th, 2014, 6 PM)

http://www.kbzk.com/weather/

http://www.kxlf.com/news/msu-launches-new-rocky-mountain-weather-and-road-condition-reports/

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32 minutes 26 seconds ago

MSU launches new Rocky Mountain weather and road condition reports

BOZEMAN - Just in time for the winter travel season, a Montana State University website is ready to provide continuing information on weather and road conditions across the Rocky Mountain region. In a news release, MSU said, "The One-Stop Shop for Traveler Information (OSS), which was developed at MSU's Western Transportation Institute and sponsored by Caltrans, offers travelers a website that integrates weather and road information from multiple Western states. Unlike websites for state transportation departments, the OSS provides travelers with current road information that does not stop at jurisdictional boundaries. Combined with real-time weather information, the OSS... Read Story ›

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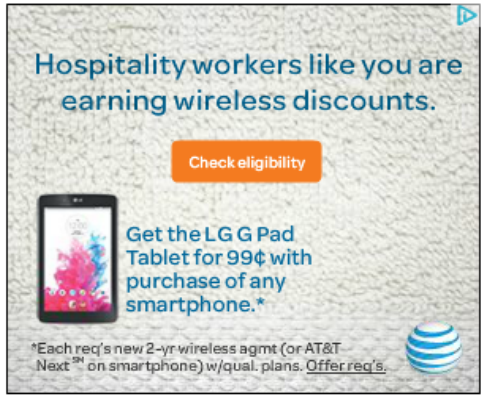

WEATHER NEWS

- **MSU launches new Rocky Mountain weather and road condition reports**

Chains, snow tires required over Sierra mountain passes

Submitted by Jeff Munson on Wed, 12/24/2014 - 4:34pm

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UPDATE: Snow is falling down to the valley floor on this Christmas Eve night. Go here for the latest road conditions before you head out traveling. Go here for the latest forecast from the National Weather Service.

Snow and lower elevation rain this afternoon is expected to change to snow at all elevations this evening behind a cold front. A period of moderate to heavy snow is expected in the Sierra through early evening, with whiteout conditions possible over the passes, according to the weather service. Lake Tahoe and much of Northern Nevada is under a Winter Weather Advisory.

Snow will end tonight as the front moves into eastern and southern Nevada. Snowfall totals through this evening are forecast to be 6-12 inches over Sierra passes, 3-6 inches around Lake Tahoe (at lake level), and 1 to 3 inches for the valley floors of northeast California and western Nevada, according to the weather service.

Visit Carson City

Something for everyone at #Brew #Brats and #Ballet this Saturday, an annual event at the Brewery Arts Centerfor more info and tickets link here ...

Get closer to the divine at Brew, Brats and Ballet
rgj.com
Brew, Brats and Ballet choreographers talk about their inspiration and process.

12 min 59 sec ago

tripadvisor Road Trips Forum

D0bby
N. Idaho

Destination Expert for Yellowstone National Park

posts: 11,915
reviews: 86

3. **Re: safe places to stay on a roadtrip from Toronto to San Franci**

Save this Post

Nov 17, 2014, 8:19 AM

I posted this elsewhere, but I found this neat link to road conditions in the Western US. Once your trip gets to the edge of this map, you can use the route planner to give you up-to-the-minute road conditions for your route. I would bookmark this on your mobile device.

http://oss.weathershare.org/

(I had trouble getting to this website this morning, so had to google * One-Stop Shop for Traveler Information *)

When you are parking at your overnight stops, I would also try to back up to a light pole in the parking lot which will block the doors shut.

D0bby
N. Idaho

Destination Expert for Yellowstone National Park

posts: 11,915
reviews: 86

2. **Re: Ohio to Berkeley/SF area end of December**

Save this Post

Nov 22, 2014, 8:58 PM

I'll just add a couple of things to Randy's thorough post.

Carry paper maps, either from AAA or buy a good Road Atlas at a brick and mortar bookstore. If you have to divert during your trip due to weather this will be more useful (and safer) than trying to depend on GPS routing.

editing to add: Here is a good Road Condition site which covers multi-states. I did find in looking at the Idaho DOT site for comparison the DOT site had more information, but this one is a good start for a general look-see.

http://oss.weathershare.org/

As a woman traveling solo, I would plan to stop by dark each night. www.sunrisesunset.com will give you your daylight hours.

I also recommend audio books to listen to as you make your way across the country.

Keep your gas tank topped up especially in the West. At 1/2 start planning where you are going to fill and fill by 1/4. I would not let it get to 1/4 in winter.

Have fun, be safe and give us a trip report when you get there!

Edited: 9:00 pm, November 22, 2014

D0bby
N. Idaho

Destination Expert for Yellowstone National Park

4. **Re: 4 day road trip through Oregon and Washington**

Nov 17, 2014, 8:49 AM

Here is a link to road conditions across the Western States. If you zoom it will give you current chain/traction tire recommendations/requirements.

http://oss.weathershare.org/

You can use the route planner feature (only has begin and end, can't do midpoints) which also pops up an elevation profile.

D0bby
N. Idaho

Destination Expert for Yellowstone National Park

posts: 11,915
reviews: 86

Winter Road Conditions link for Western US

Nov 17, 2014, 8:15 AM

http://oss.weathershare.org

(I did have trouble getting to this web address the first time I tried it this morning and had to google One-Stop Shop for Traveler Information and link from there.)

I saw an item on this website in the local paper this morning which provides motorists with current info on weather and road conditions in multiple western states. It's pretty neat because it goes across jurisdictional boundaries. It was developed by folks at Montana State University in Bozeman.

If you look at the upper right, there is a trip planner where you can put in start and end points and it will even pop up an elevation profile. If you zoom in a bit you can see road conditions, chain/traction tire requirements, closures, warnings, all sorts of stuff! FWIW I84 in Oregon still looks to be a mess and is still requiring/recommending carrying chains or having traction tires from the bad storm that moved thru a few days ago. In the instructions I also saw where it will show you all the rest stops!

I've only played with it a bit this morning (hey, it's 5AM and I don't have much coffee on board!) and the only downside I can see is that it may give you more information than you want, lol.

Reply

Report inappropriate content

D0bby
N. Idaho

Destination Expert for Yellowstone National Park

posts: 11,915
reviews: 86

1. **Re: Driving from Spokane to San Francisco in the winter**

Save this Post

Dec 04, 2014, 11:44 AM

Well Heather, it will probably just depend on what is going on at the time. For instance today on the Idaho Palouse (Moscow ID area) down to Lewiston we've had freezing rain with snow on top of it. Yuck. Supposed to have rain for tomorrow. I would much rather drive thru snow than on ice caused by freezing rain.

What routes are you considering?

From Spokane or CdA south to Pullman or Moscow, then down US95 in Idaho to Boise, south from there to Oregon and in to Nevada?

Or thru Eastern Washington, SW from Spokane on 395 to the Tri Cities, pick up I82 there to I84 then along the east side of the mountains to Bend?

Since you are going multi state, you might also want to post on the Road Trip forum.

tripadvisor.com/ShowForum-g1-i12567-Road_Tri...

Here also is an interesting website that shows you road conditions all over the West. It's great for an overview, but go to the individual state sites for more specific information.

http://oss.weathershare.org/

Good luck. Just heading to the local airport this morning and hope it is less treacherous in 45 minutes!

Pam

Tet14
Uden, The...

22. **Re: 11-day trips from Seattle to Grand Canyon in Christmas 2014**

Dec 11, 2014, 10:34 AM

Maybe try this site:

http://oss.weathershare.org/

Tet14
Uden, The...

Destination Expert for Road Trips

5. **Re: winter roadsn from texas to washington**

Dec 18, 2014, 11:55 AM

Watch 10 days weatherforcast on www.weather.com or use a site like this one:

http://oss.weathershare.org/

D0bby
N. Idaho

Destination Expert for Yellowstone National Park

posts: 11,915
reviews: 86

5. **Re: Winter Trip: Quad Cities (IA/IL) to San Francisco 12/20/14**

Dec 18, 2014, 10:14 AM

Here is a road condition link that might be helpful to you as you travel. It covers the Western states. In just looking at it and comparing data for my local area it does give a good overview, but you will want to focus in on individual states for more comprehensive data, especially if the weather is bad as Photoguy indicates it is predicted to be.

http://oss.weathershare.org/

I also always feel compelled to say this, but make sure you have paper maps in case you need to divert from your chosen route due to weather. Do not depend on GPS. Keep your eye on your gas tank especially in the west. Don't let it get below 1/4. You should start planning when you are going to fill when you get to about 1/2 a tank.

Edited: 10:18 am, December 18, 2014

D0bby
N. Idaho

Destination Expert for Yellowstone National Park

posts: 11,915
reviews: 86

4. **Re: Denver to Las Vegas - Elevation Migraines - Southern Route**

Save this Post

Jan 08, 2015, 11:10 AM

You can also go to this website for road conditions which will also give you an elevation profile.

http://oss.weathershare.org/

Click on the Route Planner in the upper right. Plug in your route. You will have to do it in segments since I have not found that you can plug in intermediate waypoints to make it follow the route you want. Anyway, an elevation chart will pop up after you click on the Plan Route button.

Pam

TRUCKERS REPORT

Dec 11, 2014 #64

Lepton1
Road Train Member

Messages: 4,308
Likes Received: 3,888

I just found this amazing web site for fast information traveling in the western states. Gives up to date status of chaining requirements and a variety of other stuff:

http://oss.weathershare.org

Lepton1, Dec 11, 2014 #64

otherhalftw and Mr.X like this.

Jan 3, 2015 #4

Lepton1
Road Train Member

Messages: 4,308
Likes Received: 3,888
Joined: Nov 23, 2012

MyRadar is an excellent app.

Web sites I regularly consult for trip planning:

m.accuweather.com/en/us/national/weather-radar

www.weather.com/maps/current

oss.weathershare.org <--- outstanding for 11 western states, gives current road conditions, highway camera views, road hazards including crash incident updates from highway patrol, etc. etc.

I consult all of these before any trip for trip planning, during 30 minute breaks, before starting each day, etc. etc.

Lepton1, Jan 3, 2015 #4

Floorguy1 likes this.

https://transportationradio.wordpress.com/2014/11/19/rural-traveler-information-site-grows/

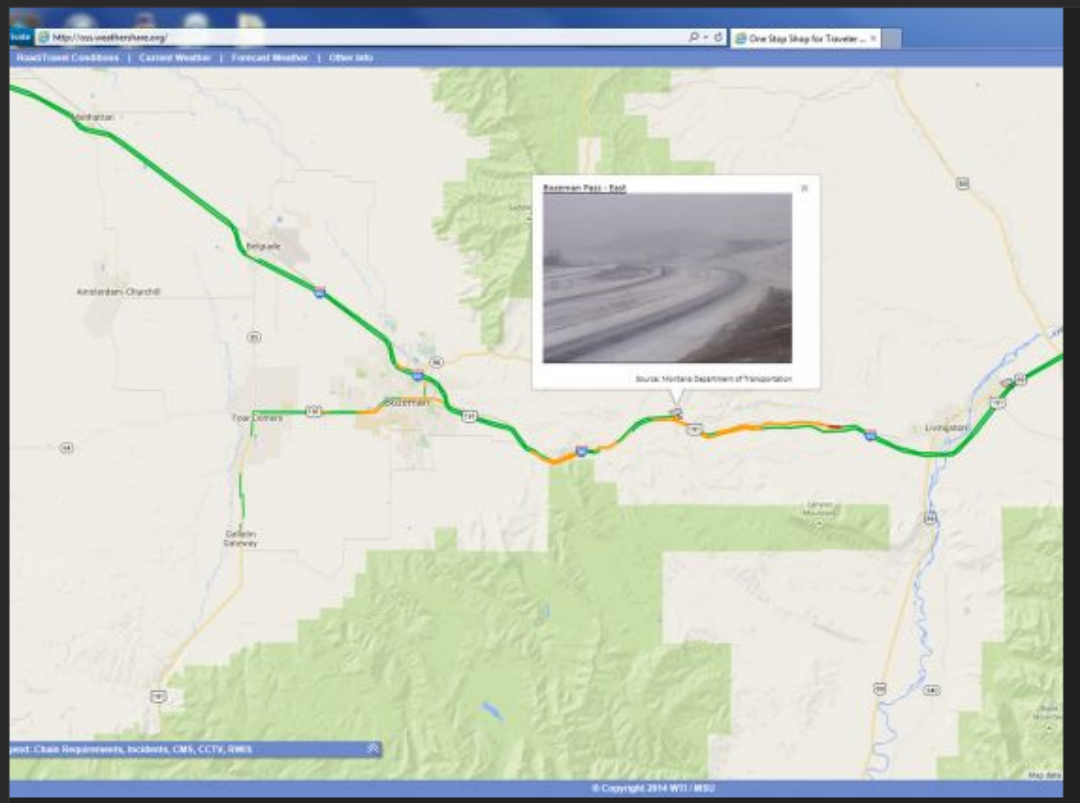
Transportation Radio

Rural Traveler Information Site Grows

Posted on November 19, 2014 by brwagenblast

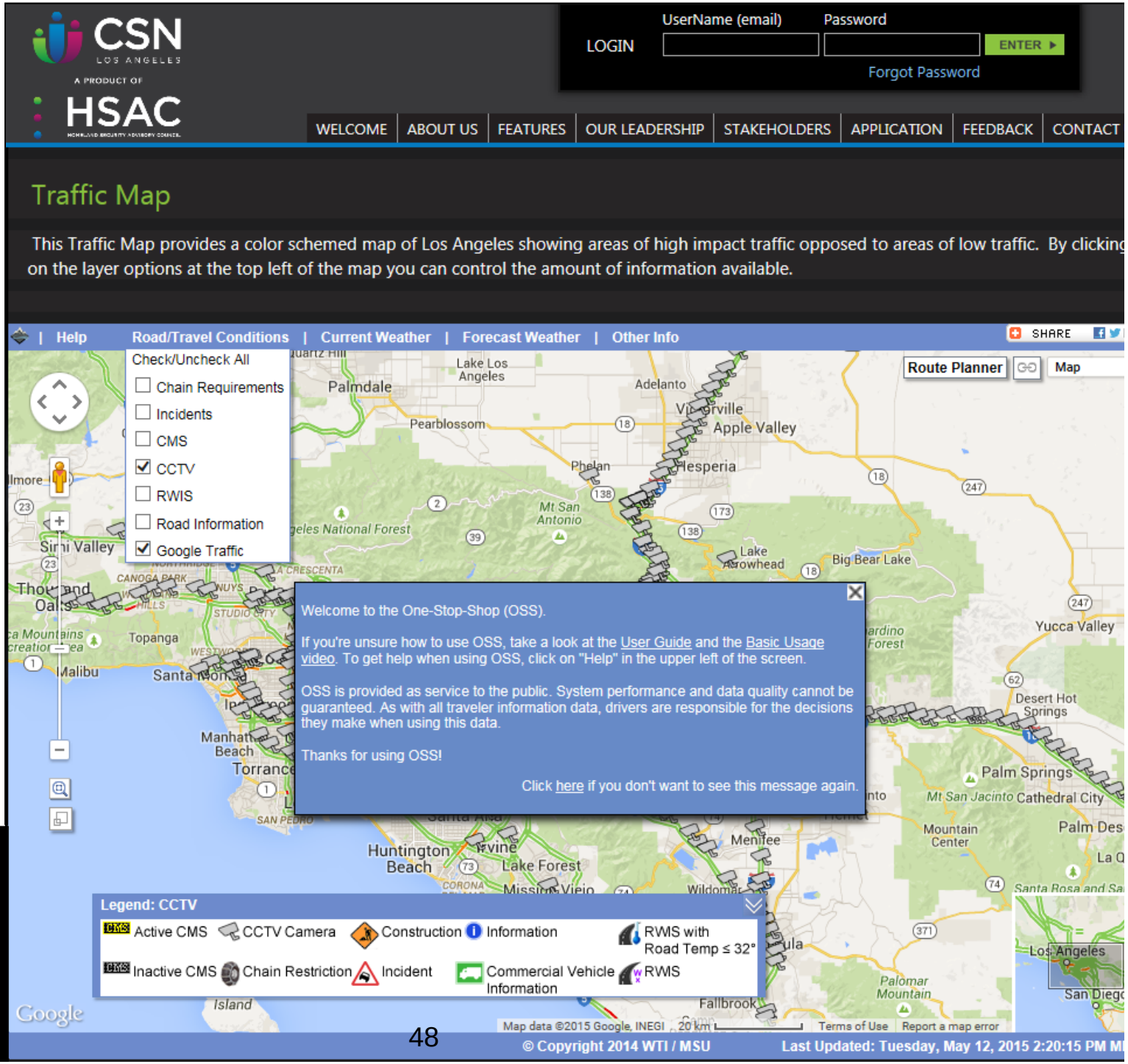
Just in time for winter weather, the One-Stop Shop for Rural Traveler Information now includes many of the states in the western lower 48. The site was developed by the Western Transportation Institute at Montana State University. We learn more in this report from Bernie Wagenblast.

Listen to story



Screen shot of OSS

TRANSPORTATION RADIO


CSN
LOS ANGELES
A PRODUCT OF
HSAC
HOMELAND SECURITY ADVISORY COUNCIL
LOGIN
UserName (email)
Password
ENTER
Forgot Password
WELCOME
ABOUT US
FEATURES
OUR LEADERSHIP
STAKEHOLDERS
APPLICATION
FEEDBACK
CONTACT
Traffic Map
This Traffic Map provides a color schemed map of Los Angeles showing areas of high impact traffic opposed to areas of low traffic. By clicking on the layer options at the top left of the map you can control the amount of information available.
Help
Road/Travel Conditions
Current Weather
Forecast Weather
Other Info
SHARE
Check/Uncheck All
Chain Requirements
Incidents
CMS
CCTV
RWIS
Road Information
Google Traffic
Route Planner
Map
Welcome to the One-Stop-Shop (OSS).
If you're unsure how to use OSS, take a look at the User Guide and the Basic Usage video. To get help when using OSS, click on "Help" in the upper left of the screen.
OSS is provided as service to the public. System performance and data quality cannot be guaranteed. As with all traveler information data, drivers are responsible for the decisions they make when using this data.
Thanks for using OSS!
Click here if you don't want to see this message again.
Legend: CCTV
Active CMS
CCTV Camera
Construction
Information
RWIS with Road Temp ≤ 32°
Inactive CMS
Chain Restriction
Incident
Commercial Vehicle Information
RWIS
Google
Map data ©2015 Google, INEGI
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Report a map error
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Last Updated: Tuesday, May 12, 2015 2:20:15 PM M

David Chamberlain All the webcams, weather, incident reports etc on one page: http://oss.weathershare.org/...#

> One Stop Shop for Traveler Information
>
> If you're unsure how to use OSS, take a look at the User Guide and the Basic Usage video . To get help when using OSS, click on "Help" in the upper left of the screen.
>
> OSS.WEATHERSHARE.ORG

facebook

1 · December 20, 2014 at 10:11am

US National Weather Service Reno Nevada We use that one here for situational awareness. Thanks for sharing!

1 · December 20, 2014 at 10:13am

KTVN Channel 2 News shared US National Weather Service Reno Nevada's photo.

March 11 ·

There are no chain requirements on Donner Summit right now. For the latest road conditions, call 511 or go to www.ktvn.com.
You can stay up to date on weather in our area with our KTVN Storm Watch weather app.
The app gives you forecast information, like radar, storm tracking and more for any location in the country, all in the palm of your hand.
You can download it for free for your iPhone, iPad, or Android smartphone.
Just search KTVN in the iTunes or Google Play Store.

> **US National Weather Service Reno Nevada**
>
> Just wet over Donner Summit. No chain requirements at this time. Here is a great site for monitoring current road conditions and chain and snow tire requirements... http://oss.weathershare.org/#

Like · Comment · Share

Elisabeth Mendoza, Howard Borja, CindyLou Peek and 3 others like this.

US National Weather Service Reno Nevada added 2 new photos.

April 5 ·

Isolated snow showers have resulted in light accumulations on Highway 36 at Fredonyer Summit and Highway 44 at Bogard Rest area. Road temperatures in the low 40s have kept snow from accumulating on roads so far, but as seen in the webcam screenshots they are shiny and likely slick early this morning. Keep up-to-date on road conditions before you venture out for Easter festivities today! (http://oss.weathershare.org/#)

Like · Comment

Linda Boegle, Jennifer Hiler, Colleen Gayle Price-Garcia and 48 others like this.

2 shares

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GOVERNOR'S OFFICE OF COMMUNITY SERVICE

home about servemt

Turkey Day Sa

Hard to believe, but Thank
filled with tasty food, festiv
safety concerns to keep in

According to the National F
caused by cooking accider
than on an average day! S

- Never leave your hom
food is baking in the o
Additionally, set an ov
you don't burn your fo
- Keep young children a
away from the stove
- Clear the floor in your
from any tripping haza
- Stay in the kitchen wh
cooking on the stovet
- Avoid wearing loose c
dangling jewelry while
- Check the batteries in
smoke alarms

Food Safet

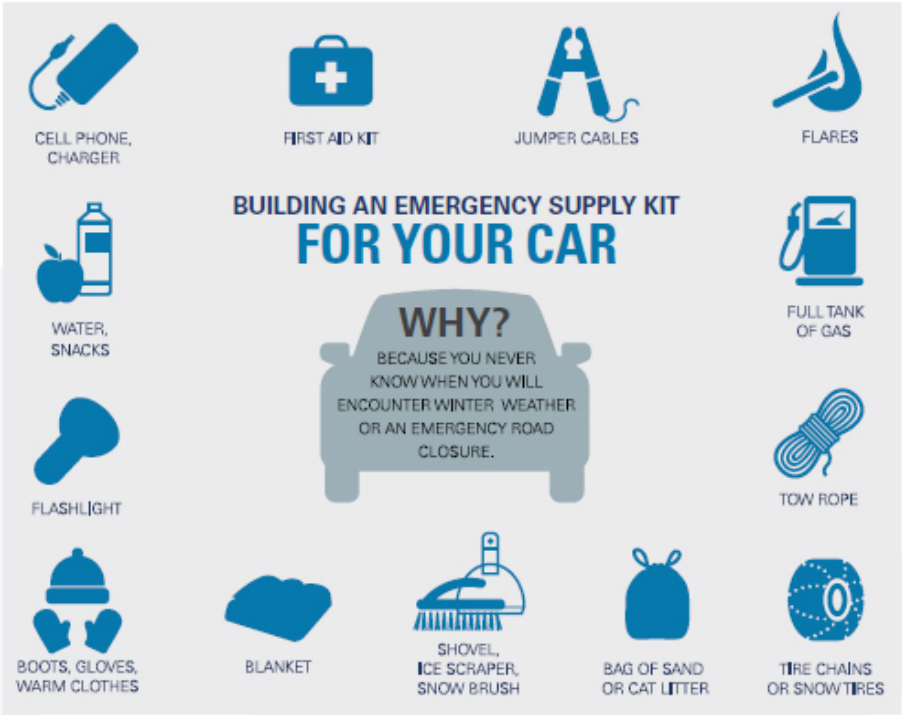
It's an American tradition t
ourselves on Thanksgiving

- Cook your turkey until
- Avoid leaving food ou
more hours
- If you are traveling wit
higher by wrapping in
filled with ice.
- The 5-second rule is a

Holiday Travel

If you are heading out to eat someone else's Thanksgiving feast, keep these travel safety tips in mind before you go:

- Check road conditions frequently. Montana weather can vary drastically from one end of the state to the other. http://oss.weathershare.org/#
- Keep an emergency supply kit in your car for all members of your family:
  - Heavy coat, gloves, hat
  - Sturdy boots
  - Blanket or sleeping bag
  - Extra water and food
  - Small shovel or scoop (you can also pop off a hubcap or the windshield visor and use it to scoop snow)
  - Bright flagging or a flashlight to identify your location
  - First aid kit
- Don't rush. Expect heavy traffic. Leave early so you don't have to hurry.
- Keep your gas tank full- no one wants to be stranded in a cold car.



One Stop Shop for Traveler Information
Another great traveler's link is oss.weathershare.org the One Stop Shop for Traveler Information (OSS). This website, developed by the Western Transportation Institute in cooperation with Caltrans District 2, contains road and weather information for California, Oregon, Washington, and Nevada. OSS utilizes a multi-state road conditions map including a planning feature that allows the user to indicate the start and end points of their trip and uses Google routing to find an efficient route.

For more information call the Public Information Office at 530-229-0511 or 530-225-3260.

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Opinion
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Medford Fuel
HOME HEAT FUEL DELIVERY COMMERCIAL FUELING
Bill Terpening
Click here for info!
Now featuring
Ethanol Free Clear Super

Caltrans warns drivers to be vigilant

10/22/12 -- Caltrans' Redding office is reminding motorists traveling in northern California to be vigilant regarding winter driving and be prepared on the roadways for possible changes in the weather or road conditions. With the current rain and snowfall prediction, now is the time to become familiar with the informational tools and tips available on the internet and to prepare for travel in the north state. The website links listed below have the traveling public in mind and are readily available on the Caltrans District 2 webpage.

District 2 Chain Control Map/QuickMap
At this website, motorists can keep track of changing conditions and plan a route of travel specifically within northern California. The Caltrans District 2 Northstate Chain Control Map includes the counties of Siskiyou, Modoc, Lassen, Shasta, Trinity, Tehama, Butte, and Plumas and has information on road conditions, chain control restrictions, and definitions of what the restrictions mean. Also available is the Caltrans Quickmap, which features the same traveler's information but includes statewide road information.

One Stop Shop for Traveler Information
Another great traveler's link is oss.weathershare.org the One Stop Shop for Traveler Information (OSS). This website, developed by the Western Transportation Institute in cooperation with Caltrans District 2, contains road and weather information for California, Oregon, Washington, and Nevada. OSS utilizes a multi-state road conditions map including a planning feature that allows the user to indicate the start and end points of their trip and uses Google routing to find an efficient route.

For more information call the Public Information Office at 530-229-0511 or 530-225-3260.

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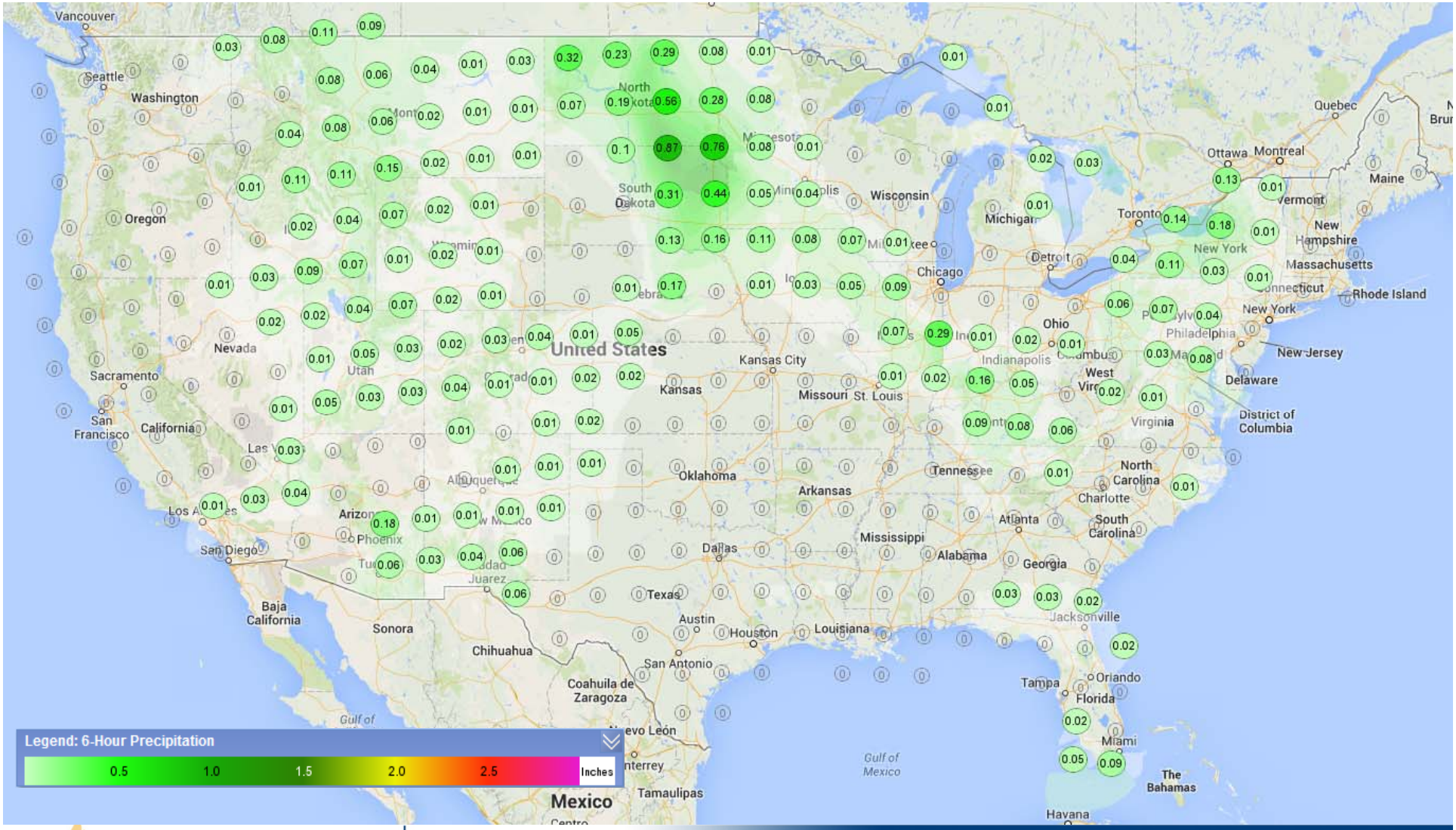
ITS America Award

At the 2014 ITS World Congress in Detroit, Michigan, the One-Stop Shop was announced as the winner of ITS America's Best of ITS Award for Best New Innovative Practice – Research Design and Innovation.

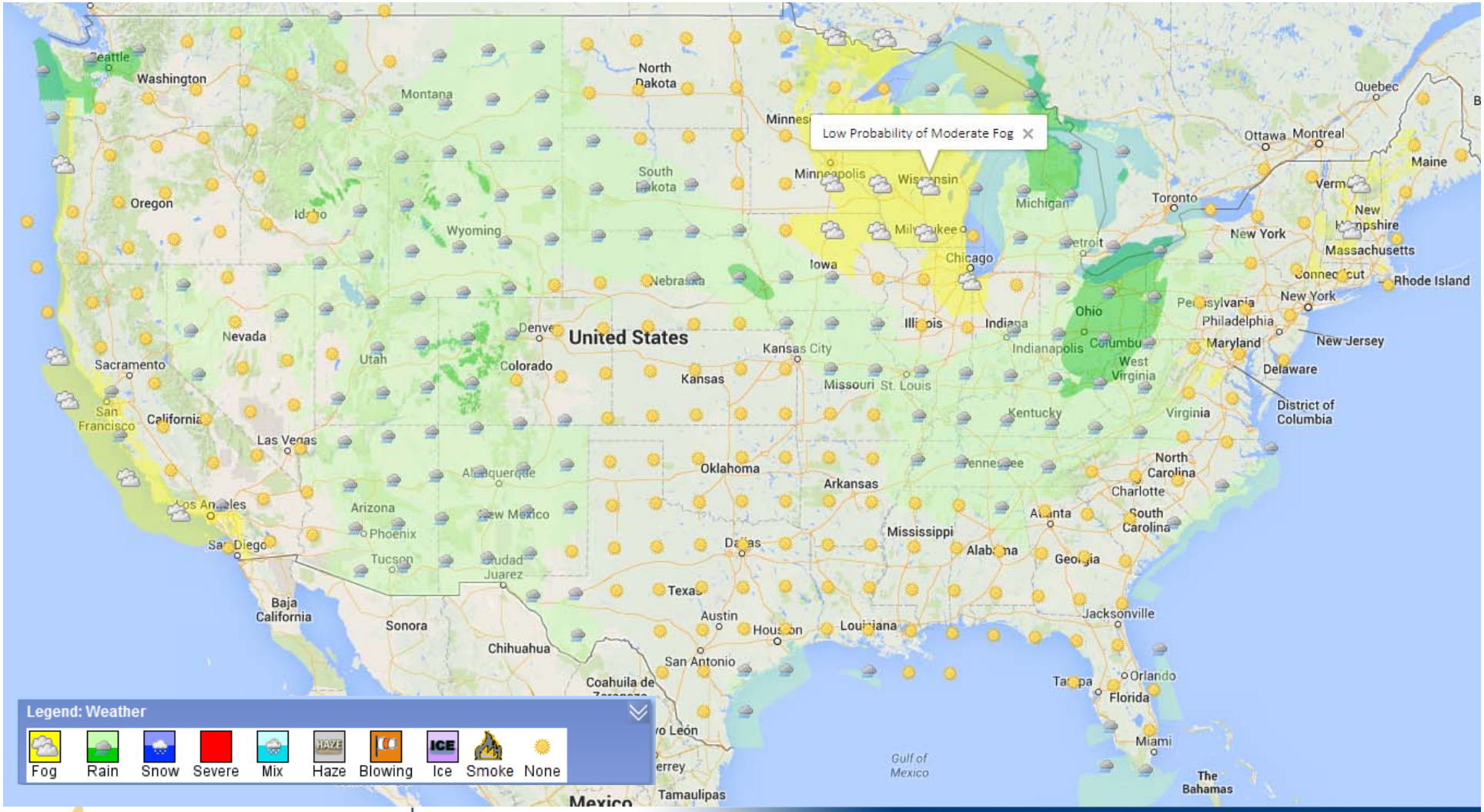
Next Steps : Phase 3

- *Add Missing Field Elements for Current States*
- *Add Layers : Fire?*
- *Address Mobile Use*
- *Expand Further?*

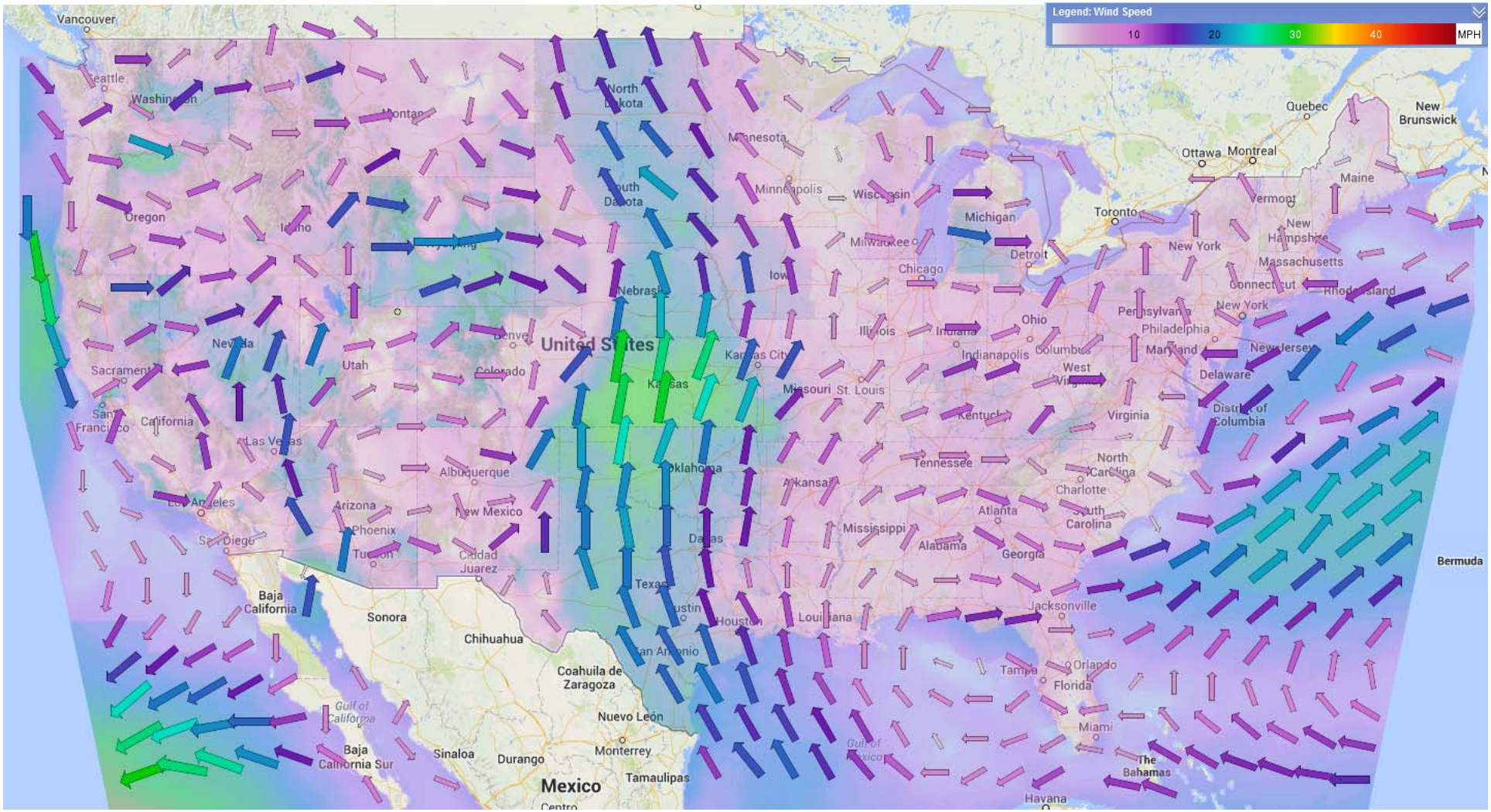
Expansion?


Legend: 6-Hour Precipitation
0.5
1.0
1.5
2.0
2.5
Inches
United States
Mexico
Gulf of Mexico
Vancouver
Seattle
Washington
Oregon
Sacramento
San Francisco
California
Nevada
Utah
Arizona
Phoenix
San Diego
Las Vegas
Los Angeles
Baja California
Sonora
Chihuahua
Coahuila de Zaragoza
Nuevo León
Tamaulipas
Texas
Austin
Houston
San Antonio
Dallas
Oklahoma
Kansas
Kansas City
Missouri
St. Louis
Arkansas
Louisiana
Mississippi
Alabama
Georgia
Florida
Tampa
Orlando
Miami
Jacksonville
Atlanta
Charlotte
North Carolina
South Carolina
Tennessee
Virginia
West Virginia
Ohio
Indianapolis
Chicago
Detroit
Michigan
Wisconsin
Minnesota
North Dakota
South Dakota
Nebraska
Iowa
Toronto
Ottawa
Montreal
Quebec
New York
Philadelphia
New Jersey
Delaware
District of Columbia
Maryland
Connecticut
Massachusetts
Vermont
New Hampshire
Maine
Rhode Island
The Bahamas
Havana

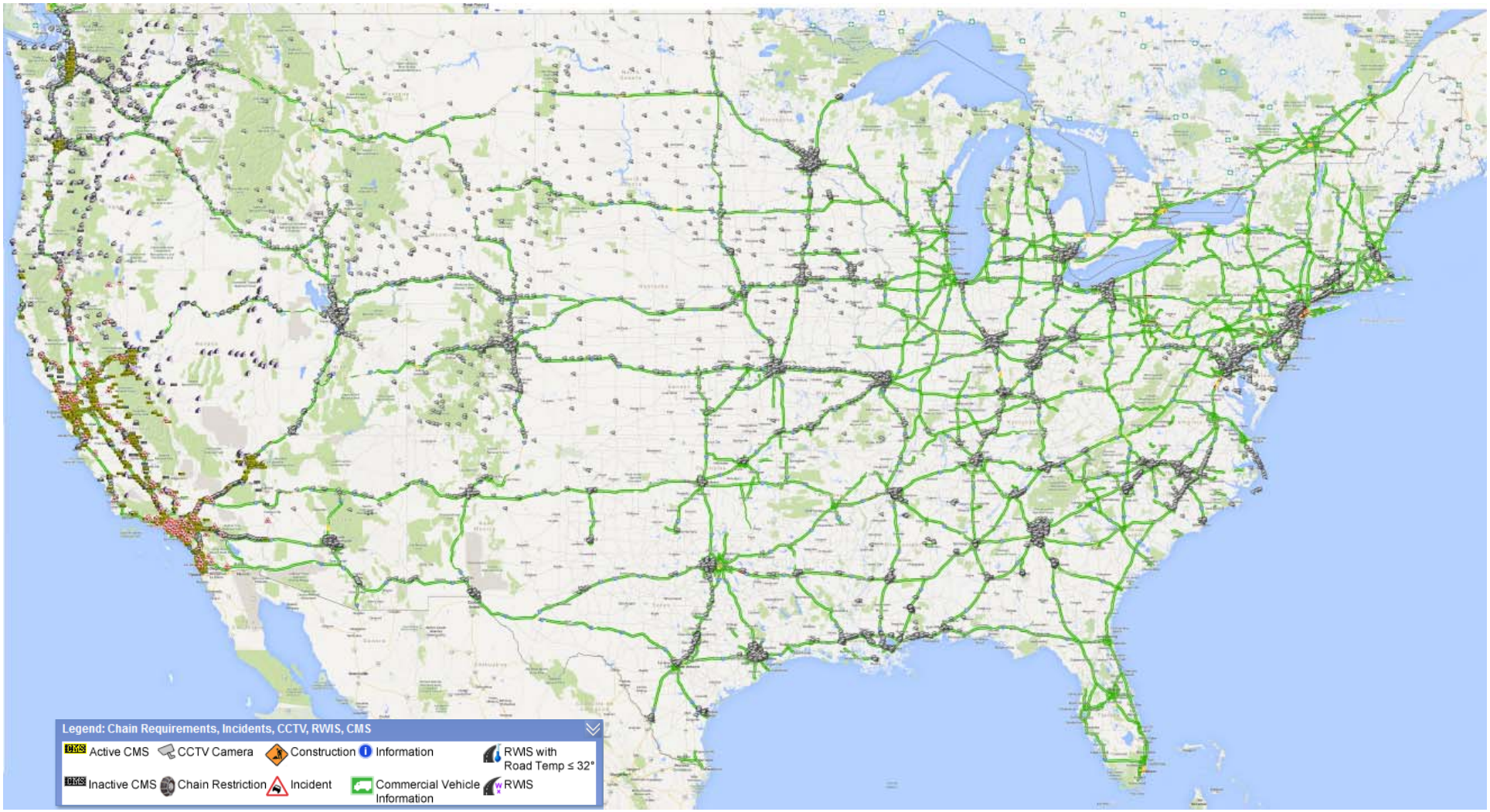
Expansion?


Low Probability of Moderate Fog
Legend: Weather
Fog
Rain
Snow
Severe
Mix
Haze
Blowing
Ice
Smoke
None
United States
Seattle
Washington
Montana
North Dakota
Minnesota
Oregon
Idaho
Wyoming
South Dakota
Nebraska
Iowa
Chicago
Michigan
Wisconsin
Toronto
Ottawa
Montreal
Quebec
Maine
New York
Massachusetts
Rhode Island
Nevada
Utah
Colorado
Kansas
Kansas City
Missouri
St. Louis
Illinois
Indiana
Ohio
Indianapolis
Columbus
West Virginia
Pennsylvania
Philadelphia
Maryland
New Jersey
Delaware
District of Columbia
Virginia
Kentucky
Sacramento
San Francisco
California
Las Vegas
Arizona
Phoenix
Tucson
New Mexico
Albuquerque
Oklahoma
Arkansas
Mississippi
Alabama
Georgia
South Carolina
North Carolina
Charlotte
Atlanta
Jacksonville
Orlando
Florida
Miami
Tampa
Texas
Austin
Houston
Louisiana
San Antonio
Baja California
Sonora
Chihuahua
Coahuila de Zaragoza
Nuevo León
Tamaulipas
Mexico
Gulf of Mexico
The Bahamas

Expansion?


Legend: Wind Speed
10
20
30
40
MPH
Vancouver
Seattle
Washington
Oregon
Montana
North Dakota
Minnesota
South Dakota
Minneapolis
Wisconsin
Michigan
Toronto
Quebec
New Brunswick
Ottawa
Montreal
Maine
Vermont
New Hampshire
Massachusetts
Connecticut
Rhode Island
New York
Detroit
Chicago
Milwaukee
Iowa
Nebraska
Denver
United States
Nevada
Utah
Colorado
Kansas
Kansas City
Illinois
Indiana
Ohio
Indianapolis
Columbus
West Virginia
Pennsylvania
Philadelphia
Maryland
New Jersey
Delaware
District of Columbia
Virginia
Kentucky
Missouri
St. Louis
Sacramento
San Francisco
California
Las Vegas
Albuquerque
Oklahoma
Arkansas
Tennessee
North Carolina
Charlotte
South Carolina
Atlanta
Mississippi
Alabama
Georgia
Jacksonville
Los Angeles
San Diego
Arizona
Phoenix
Tucson
New Mexico
Ciudad Juarez
Dallas
Texas
Houston
Louisiana
Tampa
Orlando
Florida
Miami
Bermuda
Baja California
Sonora
Chihuahua
Coahuila de Zaragoza
Nuevo León
Monterrey
Gulf of California
Baja California Sur
Sinaloa
Durango
Tamaulipas
Mexico
Gulf of Mexico
The Bahamas
Havana

Expansion?


Legend: Chain Requirements, Incidents, CCTV, RWIS, CMS
Active CMS
CCTV Camera
Construction
Information
RWIS with Road Temp ≤ 32°
Inactive CMS
Chain Restriction
Incident
Commercial Vehicle Information
RWIS

Acknowledgements

- *Caltrans D2*
- *Caltrans DRI*
- *WSRTC*
- *FHWA – Clarus*
- *WTI UTC*

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For Further Information see:

http://oss.weathershare.org

http://www.westernstates.org

http://www.westernstates.org/Projects/OSS/