

WYDOT's Commercial Vehicle Operator Portal (CVOP)

September 25, 2012

Background Information



Background Information

- I-80 is a major east-west commerce route
 - 11,000 vehicles per day
 - 50% truck traffic
- Other routes are also important for commercial vehicle operators
- Trucking industry is very important to Wyoming and the nation's economies

Background Information

- Frequent severe weather events during winter
- Snow and Wind
 - Visibility problems due to blowing snow
 - Surface condition problems
 - Vehicle blowovers
- Frequent closures which effect commerce

Background Information

- Significant number of truck blowovers
 - I-25
 - I-80



Background Information

- Surface and visibility issues

www.wyroad.info Wed Feb 22 2012 07:57:47 AM



CVOP Genesis

- Meeting with I-80 Coalition
- CVO's invited to attend
- CVO's provided a wealth of information
- Made follow-up contacts with Wal-Mart and Swift trucking officials for detailed needs of the trucking industry

CVOP



Weather Forecast for Sunday, December 14, 2003
DOC/NOAA/NWS/NCEP/Hydro-meteorological Prediction Center
Prepared by Hatchett/Junker based on HPC, SPC, and TPC forecasts.

Forecasts

- 12, 24, 36, 48 hour IMPACT forecasts
 - Wind speed/gust
 - Visibility
 - Surface conditions
- Built specifically for CVO (truck routes)
- Includes National Weather Service Watches and Warnings
- Both Map and Text formats provided

Interfaces

- Forecaster
- ITS Administration
- User

Screen Shots – User Interface

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WYDOT Commercial Vehicle Operator Portal

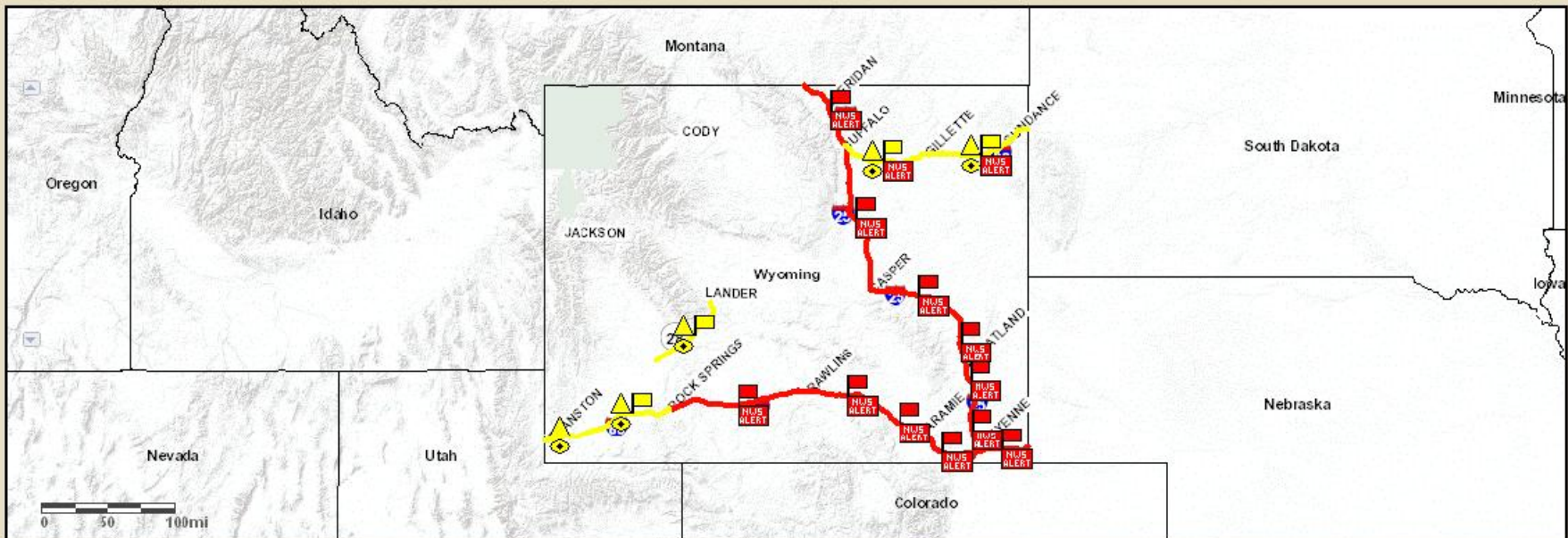
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Road Impact Forecasts

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Worst-Case forecasts for **Wed Feb 22, 12:00 to 23:59 (Mountain Time)**



Legend

Forecast	
	Worst-Case
	Visibility
	Wind
	Surface

Time Frame	
	0-12 Hours
	12-24 Hours
	24-36 Hours
	36-48 Hours

Impact		L	M	H
Visibility Forecasts				
Wind Forecasts				
Surface Forecasts				
NWS Alerts				

L = Low Impact
M = Moderate Impact
H = High Impact

Impact Levels

Recommended Action

Low	Minimal impacts expected, use general caution (see forecasts and present conditions)
Moderate	Some impacts expected, use extra caution (see forecasts and present conditions)
High	Dangerous impacts expected, use extreme caution, delay travel or consider alternate route (see forecasts and present conditions)

Text-based Info

Legend	Forecast	Time Frame	Impact	L M H	L = Low Impact
	○ Worst-Case	○ 0-12 Hours	Visibility Forecasts	● ● ●	M = Moderate Impact
	○ Visibility	○ 12-24 Hours	Wind Forecasts	■ ■ ■	H = High Impact
	○ Wind	○ 24-36 Hours	Surface Forecasts	▲ ▲ ▲	
	○ Surface	○ 36-48 Hours	NWS Alerts	■ ■ ■	


Wind Speed	Impact	Recommended Action
Low	WS 10-20 mph, GS 20-39 mph	Use general caution
Moderate	WS 20-30 mph, GS 40-49 mph	Strong winds, use extra caution
High	WS 30-40 mph, GS 50-65+ mph	Extremely high blow-over potential for light and high-profile vehicles

Wind forecasts for Wed Feb 22, 00:00 to 11:59 (Mountain Time)

Location	Type	Impact	Title	Message	NWS Alert
Hwy 28 Farson through South Pass (mp 0-69)	■	Moderate	Strong winds expected	W winds at 20-30 mph expected, gusts to 40 mph	
I-25 Colorado state line to Chugwater (mp 0-54)	■	High	Strong, sustained winds and gusts expected	W winds 35-45 mph expected, gusts to 60 mph expected	Alert
I-25 Chugwater to Wheatland (mp 54-80)	■	High	Strong, sustained winds and gusts expected	W winds 35-45 mph expected; gusts to 60 mph expected	Alert
I-25 Wheatland to Glendo (mp 80-115)	■	High	Strong, sustained winds and gusts expected	W winds 35-45 mph expected; gusts to 60 mph expected	Alert
I-25 Glendo to Casper (mp 115-191)	■	High	Very strong, gusty winds expected	W-SW winds 30-40 mph expected; gusts to 55	Alert
I-25 Casper to Buffalo (mp 191-299)	■	High	Very strong, gusty winds expected	W-SW winds 30-40 mph expected; gusts to 55	Alert
I-80 Utah state line to Lyman (mp 0-41)	■	Low	Breezy conditions expected	W-SW winds at 15 to 20 mph expected	
I-80 Lyman to Rock Springs (mp 41-104)	■	Moderate	Strong winds expected	W winds at 20-30 mph expected; gusts up to 45 mph expected	
I-80 Rock Springs to Rawlins (mp 104-214)	■	High	Very strong winds and gusts of wind expected	W winds 20-30 mph expected, gusts to 45-50 mph	Alert
I-80 Rawlins to Arlington (mp 214-272)	■	High	Strong sustained winds, stronger gusts expected	W winds 40-55 mph expected, gusts to 65mph+ expected	Alert
I-80 Arlington to Laramie (mp 272-311)	■	High	Strong sustained winds, stronger gusts expected	W winds 40-55 mph expected, gusts to 65mph+ expected	Alert
I-80 Laramie to Cheyenne (mp 311-359)	■	High	Strong sustained winds, stronger gusts expected	W winds 40-55 mph expected, gusts to 65mph+ expected	Alert
I-80 Cheyenne to NE state line (mp 359-403)	■	High	Strong, sustained winds and gusts expected	W winds 30-40 mph expected; gusts to 60 mph expected	
I-90 MT state line to Buffalo (mp 0-56)	■	High	Very strong, gusty winds expected	NW winds 35-45 mph expected, gusts to 55 mph	Alert

New Features Coming

- Wind Grid

 Interstate & Highway Wind Forecasts		NOON - 3PM			3PM - 6PM			6PM - 9PM			9PM - MIDNIGHT			MIDNIGHT - 3AM		
		WD	WS	Gust	WD	WS	Gust	WD	WS	Gust	WD	WS	Gust	WD	WS	Gust
Tuesday, September 25																
D1	I-80 (Wamsutter - Rawlins)	SW	7	17	SW	10	20	S	7	17	SW	5	15	W	5	1
	I-80 (Rawlins - Laramie)	SW	7	17	SW	10	20	S	7	17	SW	5	15	W	5	1
	I-80 (Elk Mountain/Arlington area)	SW	11	22	SW	15	25	S	15	25	SW	11	20	W	8	1
	I-80 (Laramie - Cheyenne)	SE	8	18	E	8	18	S	6	16	S	6	16	S	5	1
	I-25 (surrounding Cheyenne)	W	9	19	N	8	18	W	6	16	W	8	18	W	8	1
	I-25 (Wyo Hill area)	W	9	24	N	8	23	W	6	21	W	8	23	W	8	2
	Hwy 30	SE	8	18	E	8	18	S	6	16	S	6	16	S	5	1
	Hwy 34	SE	8	18	E	8	18	S	6	16	S	6	16	S	5	1
Hwy 287	SE	8	18	E	8	18	S	6	16	S	6	16	S	5	1	

WD: Average wind direction
WS: Average wind speed (mph)
Strong: Forecast winds near "Strong Wind" criteria (35 mph +)
Caution: Forecast winds near "No Light Trailer" criteria (50 mph +)

The following are average wind speeds. Higher gusts may occur which are not always defined in the data averages.

- GovDelivery subscriptions for "red" level conditions

Questions/Comments?