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**COMPASS**  
COMMUNITY PLANNING ASSOCIATION  
of Southwest Idaho

# Treasure Valley Annual Congestion Management System Report, 2008

Report No. 09-2009

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## **I. Introduction**

In the spring of 2008, the Idaho Transportation Department (ITD) and the Community Planning Association of Southwest Idaho (COMPASS) collected travel time data on the highways and principle arterials of both Ada and Canyon Counties. Data collection occurs annually as part of the Treasure Valley Congestion Management System (CMS). The data is collected to quantify and identify trends in roadway congestion.

The purpose of this report is to help transportation and land use planning entities implement congestion management strategies and projects to improve travel time, particularly in “High” areas of congestion. Additionally, this document serves to fulfill the annual reporting commitment described in the *Treasure Valley Congestion Management System Plan*. It serves as an evaluation tool to measure “how we are doing” in way of managing congestion.

## **II. Background**

The CMS is a process for collecting data and identifying congested transportation facilities with the intent of developing appropriate mitigation measures. This system will not eliminate congestion, but will instead slow down the rate at which it increases. Although Federal regulations provide general requirements for a CMS, Federal approval of the CMS is not required. Generally, a CMS should be designed to:

- Define and measure congestion
- Identify and evaluate congestion and its causes
- Identify and evaluate mitigation strategies
- Define implementation responsibilities
- Define an evaluation process
- Be included in all aspects of transportation planning.

In 1991, the Intermodal Surface Transportation Efficiency Act (ISTEA) required metropolitan planning organizations in Transportation Management Areas (TMAs) to implement a CMS. An urbanized area is designated a TMA when its population exceeds 200,000. The result of the 2000 Census indicated that the population of the urbanized area in Northern Ada County as a TMA.

A document outlining the elements of the Treasure Valley CMS, *The Treasure Valley Congestion Management System Plan*, was adopted by COMPASS Board with Resolution 10-2005 on March 21, 2005. *The Treasure Valley System Management Plan* outlines how travel time data will be collected and used. Specific definitions for congestion and a “toolbox” of mitigation strategies are also part of the plan. For specific information on the system’s design, refer to *The Treasure Valley Congestion Management Plan*.

## **III. Travel Time Data Collection**

ITD and COMPASS staff drive Treasure Valley interstates and principal arterials a minimum of four times in each direction during the AM peak (6:30 to 8:30 AM), then again during the PM peak (4:00 to 6:30 PM). The period with the highest average travel time is compared to the free flow, or ideal travel period (2:00 to 5:00 AM). A computer program and strict driving procedures are utilized to ensure data reliability, reproducibility, and comparability. The ratio of peak travel time to free flow travel time is used to produce an index, which classifies congestion. This ratio is referred to as the Sanderson Index (SI). A SI of 2.0, for example, means that it takes twice as long to travel a given roadway during the peak or congested period than during free flow or ideal conditions. Analysis of the current and historic travel time of a given roadway yields information about trends in congestion on specific routes within cities, districts, or specific locations.

Data are not collected during any event, which may affect the travel time. Notes are made regarding construction projects or delays encountered during data collection efforts. Data collection is postponed if nonrecurring delays, such as those caused by vehicle accidents, weather, events, and/or holidays are

encountered. In extreme cases, data for some roadways are not collected that year due to construction occurring throughout the data collection campaign.

Using SI and the general roadway location, the Treasure Valley CMS defines low, medium, and high levels of congestion. Table 1 displays the Treasure Valley CMS definitions of congestion, which were established by local transportation experts. For classification purposes, urban roadways are located in Downtown Boise and Meridian.

**Table 1: Congestion Thresholds**

<b>Congestion Thresholds ( Based on SI<sup>1</sup> Values)</b>			
<b>Roadway Class</b>	<b>Low</b>	<b>Medium</b>	<b>High</b>
Freeway	< 1.25	1.25 – 1.50	> 1.50
Suburban	< 1.75	1.75 – 2.25	> 2.25
Urban	< 2.00	2.00 – 2.50	> 2.50

Figure 1 and Figure 2 show the results of the 2008 travel time data collection effort by identifying the level of congestion as defined by the Treasure Valley CMS. To aid in the analysis of transportation corridors in Ada County, segment level travel time data are weighted on distance, summed, and reported<sup>2</sup>. This reporting method removes congestion “hot spots” along a corridor, giving a feel for how the entire corridor is functioning. This information can be found in Appendix A.

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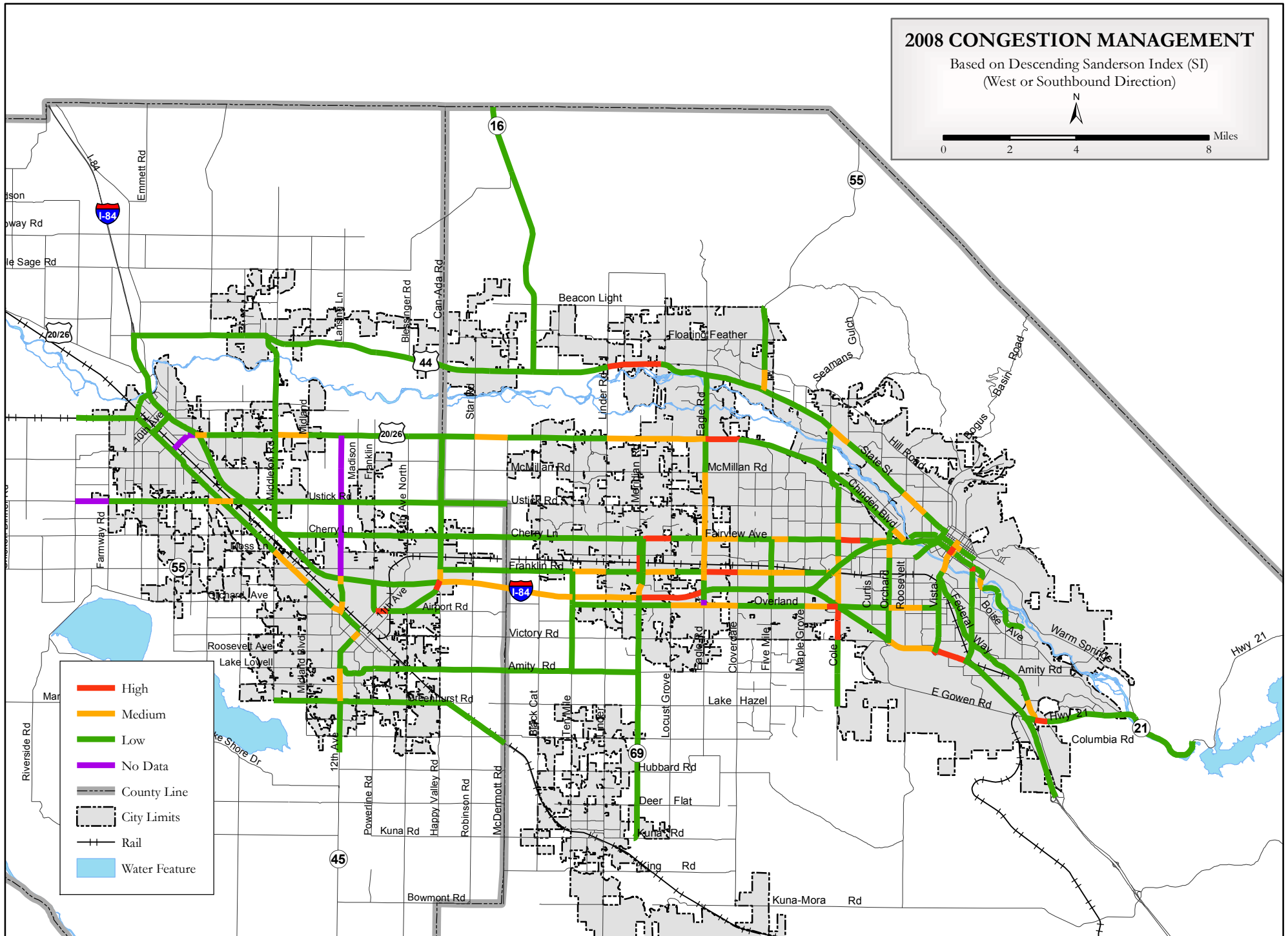
<sup>1</sup> Sanderson Index (SI) is a ratio of peak travel time to ideal travel time).

<sup>2</sup> The maps showing the weighted scores are not included in this year’s report.





Figure 2: 2008 Descending Congestion Map



## Congested Facilities, 2008

The 2008 travel time data collection campaign began the first week of March and ended the last week of May. Table 2 lists the roadway segments identified in the "High" range based on the data collected in 2008 by direction. The percent change in SI represents the increase or decrease from 2007 to 2008. Some segments that show a decrease in travel time for 2008 are still classified in the "High" category.

**Table 2: Treasure Valley Facilities Identified as Congestion Level "High" in 2008**

<b>"High" Congestion Roadways</b>					
Road Name	Description	Direction	City	2008SI*	Percent Change in SI (2007 to 2008)
Cherry Ln./ Fairview Ave	Locust Grove St. to Main/Cherry Ln.	Westbound	Meridian	2.88	11.06%
Cole Rd.	Overland Rd. to S. Costco/Century Way	Southbound	Boise	2.36	11.29%
Cole Rd.	S. Costco/Century Way to Victory Rd.	Southbound	Boise	2.46	37.27%
Fairview Ave	Liberty St. to Cole Rd.	Westbound	Boise	2.52	-29.61%
Fairview Ave	Liberty St. to Curtis Rd.	Eastbound	Boise	2.95	-18.49%
Fairview Ave/ Main St/Idaho St	1 <sup>st</sup> St. to Broadway/Ave B	Eastbound	Boise	3.40	-17.87%
Franklin Rd	Cloverdale Rd. to Eagle Rd.	Westbound	Boise	2.74	18.61%
Franklin Rd	Milwaukee St. to Cole Rd.	Eastbound	Boise	2.53	54.27%
Franklin Rd.	Franklin Rd./CanAda Rd. to Star Rd.	Eastbound	Nampa	3.71	65.50%
I-84	Broadway Ave. to Vista Ave.	Westbound	Boise	1.90	52.00%
I-84	Eagle Rd. to Meridian Rd.	Westbound	Meridian	1.82	ND 2007
I-84	Franklin Blvd. to Garrity IC	Eastbound	Nampa	1.89	-34.60%
IB-84	16th to Garrity/Franklin	Westbound	Nampa	3.95	-17.88%
IB-84	I-84 WB Ramps to Flamingo	Westbound	Nampa	2.51	54.11%
Meridian Rd.	Pine Ave. to Franklin Rd.	Southbound	Meridian	2.26	43.66%
Orchard St	Bond St. to Chinden Blvd.	Northbound	Garden City	2.92	-7.30%
Overland Rd.	Cole Rd. to Entertainment Ave.	Westbound	Boise	2.93	24.05%
Overland Rd.	Entertainment Ave. to Cole Rd.	Eastbound	Boise	2.99	16.86%
SH-21	Technology Way to Federal Way	Southbound	Boise	2.67	22.41%
SH-44	Begin New Alignment to Linder	Westbound	Eagle	2.62	ND 2007
SH-55	Franklin Rd to Fairview Ave	Northbound	Meridian	3.16	18.35%
SH-55	I-84 EB Ramps to St. Lukes Ln.	Northbound	Meridian	3.30	51.38%
SH-55	St. Lukes Ln. to Franklin	Northbound	Meridian	3.34	185.57%
SH-69/Main St	Victory Rd. to Overland Rd.	Northbound	Meridian	2.51	ND 2007

US-20/26	Cloverdale Rd. to Eagle Rd.	Westbound	Boise	3.33	ND 2007
US-20/26	I-84 EB off ramp to I-84 WB ramps	Eastbound	Caldwell	2.69	126.05%
US-20/26	KCID Rd. to Middleton Rd.	Eastbound	Caldwell	2.70	42.17%
US-20/26	Myrtle to Front	Southbound	Boise	3.54	18.79%
Vista Ave/ Capitol Blvd/9th St	I-84 EB Ramps to Wright St.	Southbound	Boise	4.58	177.58%
Vista Ave/ Capitol Blvd/9th St	Main St. to Myrtle St.	Southbound	Boise	6.90	21.86%

#### IV. Congestion Analysis

Only six years of historic travel time data are available, 2003 through 2008, therefore identifying any segment level trends in congestion is difficult. However, data collected in 2003, 2004, 2005, 2006 and 2007 were compared to the 2008 data. Table 3 displays those roadways consistently identified in the "High" congestion range since data collection began in 2003.

**Table 3: Treasure Valley Facilities Identified as Congestion Level "High" Since 2003**

Consistently "High" Congestion Roadways					
Road Name	Description	Direction	City	2008 SI	Percent Change in SI (2007 to 2008)
Fairview Ave/ Main St/Idaho St	1st St. to Broadway/Ave B	Eastbound	Boise	3.40	-17.87%
Vista Ave/ Capitol Blvd/9th St	Main St. to Myrtle St.	Southbound	Boise	6.90	21.86%

Table 4, on the next page, displays the amount and level of congestion identified by the Treasure Valley CMS for all six years. In 2006, approximately 68 miles of roadway were added to the data collection effort. Over 13 miles of roadways added to the data collection effort in 2006 were under construction at that time and were not included in the "No Data" calculation for 2006. However, these roadway segments were sampled in 2007, which accounts for the difference in "Total Miles" from 2006 to 2007.



**Table 4: 2003 - 2008 Congestion Comparison, Treasure Valley**

Ascending (East or Northbound) Travel									
Year	High		Medium		Low		No Data		Total Miles
	Miles	Percent	Miles	Percent	Miles	Percent	Miles	Percent	
2003	7.8	5.1%	10.1	6.6%	129.6	85.0%	5.0	3.3%	152.5
2004	8.6	4.6%	11.9	6.4%	164.5	88.9%	0.0	0.0%	185
2005	14.3	7.8%	18.2	9.9%	151.4	82.3%	0.0	0.0%	183.9
2006	15.3	6.0%	17.0	6.7%	194.4	76.1%	28.7	11.2%	255.4
2007 <sup>3</sup>	14.9	5.5%	11.6	4.3%	202.1	75.2%	40.2	15.0%	268.8
2008	8.5	3.2%	19.6	7.4%	234.6	88.6%	2.0	0.8%	264.6
Descending (West or Southbound) Travel									
Year	High		Medium		Low		No Data		Total Miles
	Miles	Percent	Miles	Percent	Miles	Percent	Miles	Percent	
2003	7.2	4.8%	27.3	18.1%	111.7	73.9%	5.0	3.3%	151.2
2004	1.0	0.5%	8.5	4.6%	175.8	94.8%	0.1	0.1%	185.4
2005	9.8	5.3%	16.3	8.8%	159.7	86.0%	0.0	0.0%	185.8
2006	23.4	9.1%	16.4	6.4%	187.7	72.9%	29.8	11.6%	257.3
2007	18.9	6.9%	25.7	9.4%	185.0	67.9%	42.7	15.7%	272.3
2008	11.4	4.3%	38.6	14.5%	214.6	80.8%	1.1	0.4%	265.7

Table 5 lists those facilities that may have a change in congestion levels by more than 50%. Based on the notes made during data collection and input provided by Treasure Valley transportation agencies, potential reasons for the observed changes in congestion were identified. If a potential reason is not given, the change, it is assumed, is attributed to the variation inherent in the data collection process. Appendix B, Table B-15 and Table B-16, lists roadway segments with a greater than 20% increase or decrease in congestion. However, potential reasons are not specifically identified.

<sup>3</sup> Travel time data was not collected on I-84 due to the construction, corresponding construction zones speed limit reductions and in some cases lane closures from the Linden Street bridge rehabilitation project, Exit 29 reconstruction project, and construction of a new Locust Grove overpass.

**Table 5: Changes in Congestion (SI) Levels Greater than 50% between 2007 and 2008**

Changes in Congestion (SI) Levels Greater than 50% between 2007 and 2008					
Route	Description	Direction	City	Percent Change in SI (2007 to 2008)	Potential Reason(s) <sup>4</sup>
Decrease in Congestion					
SH-55	Fairview Ave to Franklin Rd	Southbound	Meridian	-70.7%	Signal re-timing project.
Fairview Ave	Milwaukee St. to Maple Grove Rd.	Westbound	Boise	-67.5%	Maple Grove intersection and roadway projects completed
Franklin Rd	Five Mile Rd. to Cloverdale Rd.	Westbound	Boise	-64.5%	Locust Grove overpass, completed Maple Grove Rd widening
SH-44	Old Hwy 30 to I-84 EB ramps	Westbound	Middleton	-59.7%	Temporary traffic signal removed
Franklin Rd	Maple Grove Rd. to Five Mile Rd.	Westbound	Boise	-53.1%	Locust Grove overpass and completed Maple Grove widening
Meridian Rd.	Franklin Rd. to Corporate Dr.	Southbound	Meridian	-51.5%	Anomaly
Increase in Congestion					
SH-55	St. Lukes Ln. to Franklin	Northbound	Meridian	185.57%	New intersection design for WB Off-ramp, additional signal phase for dual right-turn lanes
Vista Ave/Capitol Blvd/9th St	I-84 EB Ramps to Wright St.	Southbound	Boise	177.58%	Short section – likely due to traffic progression
Vista Ave/Capitol Blvd/9th St	State St. to Main St.	Southbound	Boise	128.48%	Capitol Building construction, related roadway closures and detours
US-20/26	I-84 EB off ramp to I-84 WB ramps	Eastbound	Caldwell	126.05%	Exit 29 reconstruction and temporary traffic signals
US-20/26	Main St. to 13th.	Eastbound	Boise	85.81%	Delay at signal (likely non-recurring)
Northside Blvd	I-84 WB Ramps to 6th St. N	Southbound	Nampa	70.34%	
Franklin Rd.	Franklin Rd./CanAda Rd. to Star Rd.	Eastbound	Nampa	65.50%	Ten Mile Overpass closures

<sup>4</sup> Potential reasons for changes in travel time offered by Canyon County Highway District, city, ACHD, or ITD technical staff.

**Changes in Congestion (SI) Levels Greater than 50% between 2007 and 2008**

Route	Description	Direction	City	Percent Change in SI (2007 to 2008)	Potential Reason(s) <sup>4</sup>
Ustick Rd	10th Ave. to Kimball	Westbound	Caldwell	63.16%	
10th Ave	I-84 WB Ramps to Chicago St.	Northbound	Caldwell	56.60%	Traffic using 10 <sup>th</sup> Ave to I-84 due to Exit 29 reconstruction
Franklin Rd	Milwaukee St. to Cole Rd.	Eastbound	Boise	54.27%	
IB-84	I-84 WB Ramps to Flamingo	Westbound	Nampa	54.11%	New signal at Flamingo and construction for Gateway Center
I-84	Broadway Ave. to Vista Ave.	Westbound	Boise	52.00%	Reconstruction (crack and seat) – construction zone speeds
Orchard St	I-184 EB Ramp to Bond St.	Northbound	Boise	51.81%	
SH-55	I-84 EB Ramps to St. Lukes Ln.	Northbound	Meridian	51.38%	New intersection design for WB Off-ramp, additional sign phase for dual right-turn lanes
Park Blvd/ Parkcenter Blvd	Beacon St. to Park/Parkcenter/Clearwater	Westbound	Boise	50.92%	

## V. Congestion Mitigation

The development of applicable congestion mitigation measures to address specific areas of congestion is delegated to each transportation agency in the Valley. However, the Treasure Valley CMS does provide some guidance on mitigation measures to the local transportation agencies in the form of a "Toolbox." The "Toolbox" is presented in Table 6. With only six years worth of travel time data collected and only a handful of projects identified, an evaluation of the "Toolbox" is not feasible. As more data are collected, quantitative and/or qualitative evaluations of the "Toolbox" may be possible.

**Table 6: Treasure Valley CMS "Toolbox"**

CMS "Toolbox" – Congestion Mitigation Strategy Categories		
Timeframe	Area Wide	Corridor / Project Specific
Short Term (Within 5 Years)	<ul style="list-style-type: none"> <li>❖ Access Management policies for all congested roadways</li> <li>❑ Zoning Ordinance Standards</li> <li>❑ Employer Based Strategies</li> <li>❑ Access Management policies for all developments along congested roadways</li> </ul>	<ul style="list-style-type: none"> <li>❖ Intelligent Transportation Systems</li> <li>➤ Intelligent Transportation Systems</li> <li>❖ Additional Roadway Capacity</li> <li>❖ Non-Motorized Mode Improvements</li> <li>❖ Intersection Improvements</li> <li>❖ Preferential Based Strategies</li> <li>➤ New or increased access to transit</li> <li>❑ Non-Motorized Mode Improvements</li> </ul>
Long Term (Greater than 5 Years)	<ul style="list-style-type: none"> <li>❑ Comprehensive Plan land use strategies</li> <li>➤ Intermodal Project integration/design</li> <li>➤ New or increased access to transit</li> <li>➤ Additional transit services</li> </ul>	<ul style="list-style-type: none"> <li>❖ Additional Roadway Capacity listed in regional long-range plan</li> <li>➤ Addition of transit oriented fixed-guide way</li> </ul>

Implementing Agency Legend (note: the current draft only applies to roadway congestion):

- ❖ Roadway Agencies (Ada County Highway District (ACHD), Idaho Transportation Department (ITD), all cities and highway districts in Canyon County, and some cities in Ada County)
- Transit Providers (Valley Regional Transit and ACHD Commuteride)
- ❑ City and County Level Governments

### Land Use Agencies

A few land use agencies have adopted roadway access management ordinances. The City of Kuna's Access Management Ordinance (Ordinance 624, 12-16-2002) limits the number and use of access on State Highway 69 to existing residential and/or agricultural uses and those needed to provide emergency services. Caldwell Ordinance number 2556 defines the acceptable types of roadway access within the city limits and area of impact. It specifically limits the type of access on State Highway 19 (Simplot Blvd. west of Farmway Rd.), State Highway 55 (Karcher Rd.), US Highway 20/26, and portions of the Interstate 84 Business Route (Centennial Way). Meridian adopted a roadway access management ordinance for the interstates and state highways in September 2005. This includes portions of Interstate 84, US Highway 20/26 (Chinden Rd.), State Highway 44 (State St.), State Highway 69, and State Highway 55 (Eagle Rd.).

During 2008, some new efforts took place that would have an impact on congestion. As part of the US Highway 20/26 Corridor Preservation Study, an access management plan was developed. This was adopted by the COMPASS board during this year. The Idaho Transportation Department and local government agencies are still in the process of adopting this plan. Ada County Highway District is working on updating their access management rules in cooperation with a committee consisting of developers and the local fire departments. The City of Boise is in the research process in the development of an access management ordinance.

### Transportation Projects

As part of the Transportation Improvement Program (TIP) development process, projects are ranked according to various criteria. The new TIP Prioritization Process, approved in January 2007, assigns points to project in the criteria area of “Congestion Mitigation”. Project scores in this criterion are based on the threshold in which it has been placed in the CMS for the last three years. Transit projects are given additional consideration depending on the type of improvement to the transit system being made. Table 7 below list the new projects that were included in the FY2009-2013 TIP as well as their “Congestion Mitigation” Score.

**Table 7: Transportation Improvement Program (TIP) CMS Project Ranking**

<b>Projects Added to the Transportation Improvement Program</b>					
Project	City	Program	Prioritization Category	Points Received	Points Possible
VRT Intercounty Bus Service Expansion – Large Vehicle	Multiple	FY2009-2013	Public Transportation	10	10
Boise and Nampa Urbanized Area Employer Express Transit Program	Multiple	FY2009-2013	Public Transportation	7	10
Intersection Improvement at Franklin Blvd and 21 <sup>st</sup> Ave East Leg (Commercial Way)	Caldwell	FY2009-2013	Roadways	2	10

Using the current regional long-range transportation plan, *Communities in Motion* (CIM), a qualitative analysis of travel time impacts associated with growth was performed. A few corridors were selected from those mentioned in CIM to see how these corridors have functioned in way of changes in travel time since data collection began. Some complete corridors were not run. In these cases, the segments that were included in this analysis are indicated. The years displayed represent the early years of collection (2003 and 2004), the peak year in new construction in the Valley (2005) and the current year. All times in table 8 represent the average of the ascending and descending times along the corridors indicated.

**Table 8: *Communities in Motion* Corridor Analysis**

Road Name	Location	Full Corridor Available	Route That Is Available	2003 Time (In Minutes)	2004 Time (In Minutes)	2005 Time (In Minutes)	2008 Time (In Minutes)
Five Mile Rd	Lake Hazel Rd to US 20/26	No	Fairview Ave to Overland Rd	5.70	5.56	9.13	6.42
I-184	Wye Interchange to 13th St	Yes		6.62	6.18	6.21	6.94
I-84	US 20/26 to Gowen Rd	Yes		29.93	30.26	30.85	32.73
SH 45	2nd St S to the City of Melba	No	2nd St S to Ruth Ln	9.59	8.49	10.08	9.19
SH 55 (Eagle Rd)	Boise County Line to I-84	Yes		15.91	17.18	20.31	19.35

Road Name	Location	Full Corridor Available	Route That Is Available	2003 Time (In Minutes)	2004 Time (In Minutes)	2005 Time (In Minutes)	2008 Time (In Minutes)
US 20/26	I-84 in Caldwell to I-84 in Boise	Yes	Data is incomplete in 2003.	-	46.47	55.63	55.48

## VI. Conclusion

As part of the Treasure Valley CMS, 2008 travel time data were collected and analyzed to classify congestion on interstate and principal arterial roadways in the Treasure Valley. A fraction of these roadways were identified as highly congested for 2008. The number of roadway segments identified as “High” congestion decreased from 46 to 30 during the period between 2007 and 2008. Comparisons between current and historic data sets show some change in congestion classifications (Table 4 and Table 5). Although more travel time data needs to be collected before trends in congestion and congestion mitigation can be assessed, it appears that signalization improvements, changes in land use, and completion of roadway construction projects contributed to improved travel times. Another additional potential source for the decrease in “high” level congestion could be associated with the economic downturn and the reduction in construction related travel. Further analysis will be needed to see how well this trend correlated with the downturn. Travel time forecasts produced by COMPASS’ travel demand model indicate travel times are likely to increase on Treasure Valley interstates and principal arterials over the next 22 years.

## VII. Summary

This document fulfills the annual reporting commitment of the Treasure Valley CMS. It evaluates how well congestion is managed and provides congestion data to entities that design and develop roadway projects and congestion mitigation measures.

As part of the annual reporting process, travel time data for 2008 were collected on the interstate and principal arterial roadways of the Treasure Valley. These data were converted to travel time indices (SI), which were used to classify the level of congestion encountered. Significant changes in congestion classification were noted and possible reasons for these changes obtained from local transportation and land use agencies. The 2008 congestion levels were compared to those encountered in 2003, 2004, 2005, 2006 and 2007. The amount of congestion data available does not allow for a reliable quantitative evaluation of congestion mitigation measures included in the CMS “Toolbox”. However, a qualitative analysis using forecasted travel times indicates that, as the valley continues to grow, travel times and congestion are likely to increase, despite planned roadway capacity expansions.



**VIII. Appendix A: Detailed 2008 Travel Time Data**

**Table A- 1: Ascending Data - Ada County**

<b>Ascending (East or Northbound) Travel Time Data for Ada County, 2008</b>									
Name	Description	Distance	Congested Time	Ideal Time	Theoretic Time	SI	SI Prime	SI Weighted Average	SI Prime Weighted Average
Americana Blvd./15 <sup>th</sup> St./16 <sup>th</sup> St.	Emerald St. to Shoreline Dr.	0.080	87.713	64.63	64.8	1.36	1.00	1.40	1.27
Americana Blvd./15 <sup>th</sup> St./16 <sup>th</sup> St.	Shoreline Dr. to Main St.	1.279	103.940	72.68	61.68	1.43	1.18		
Americana Blvd./15 <sup>th</sup> St./16 <sup>th</sup> St.	Main St. to State St.	0.260	69.430	56.21	31.2	1.24	1.80		
Amity Rd.	Happy Valley Rd. to Robinson Rd.	0.960	101.788	89.8	73.53191	1.13	1.22	1.13	1.17
Amity Rd.	Robinson Rd. to McDermott Rd.	1.091	79.530	78.18	78.55	1.02	1.00		
Amity Rd.	McDermott Rd. to Black Cat Rd.	0.929	89.070	75.62	66.89	1.18	1.13		
Amity Rd.	Black Cat Rd. to Ten Mile Rd.	1.000	87.325	81.88	72	1.07	1.14		
Amity Rd.	Ten Mile Rd. to Linder Rd.	1.000	91.680	83.16	72	1.10	1.16		
Amity Rd.	Linder Rd. to SH-69	1.010	126.820	99.76	72.72	1.27	1.37		
Cherry Ln/Fairview Ave	Black Cat Rd. to Ten Mile Rd.	1.010	147.140	110.01	103.89	1.34	1.06	1.40	1.05
Cherry Ln/Fairview Ave	Ten Mile Rd. to Linder St.	1.020	143.040	111.31	104.91	1.29	1.06		
Cherry Ln/Fairview Ave	Linder St. to Main St.	1.116	178.300	124.14	114.79	1.44	1.08		
Cherry Ln/Fairview Ave	Main/Cherry Ln. to Locust Grove St.	0.852	136.850	88.35	87.63	1.55	1.01		
Fairview Ave	Locust Grove St. to Eagle Rd.	1.001	195.900	95.58	91.48	2.05	1.04	1.54	1.04
Fairview Ave	Eagle Rd. to Cloverdale Rd.	1.009	117.220	95.31	90.9	1.23	1.05		
Fairview Ave	Cloverdale Rd. to Five Mile Rd.	1.010	134.550	92.53	90.9	1.45	1.02		
Fairview Ave	Five Mile Rd. to Mitchell St.	0.391	55.830	53.26	50.5	1.05	1.05		
Fairview Ave	Mitchell St. to Maple Grove Rd.	0.519	90.450	53.91	53.38	1.68	1.01		
Fairview Ave	Maple Grove Rd. to Milwaukee St.	0.498	74.020	52.92	51.22	1.40	1.03	1.65	1.08

**Ascending (East or Northbound) Travel Time Data for Ada County, 2008**

Name	Description	Distance	Congested Time	Ideal Time	Theoretic Time	SI	SI Prime	SI Weighted Average	SI Prime Weighted Average
Fairview Ave	Milwaukee St. to Cole Rd.	0.506	113.720	58.88	52.05	1.93	1.13		
Fairview Ave	Cole Rd. to Liberty St.	0.655	82.380	70.31	67.37	1.17	1.04		
Fairview Ave	Liberty St. to Curtis Rd.	0.380	122.420	41.49	39.09	2.95	1.06		
Fairview Ave	Curtis Rd. to Orchard St.	0.563	75.950	58.92	52.56	1.29	1.12		
Cole Rd	Emerald St. to Fairview Ave.	0.488	100.590	100.18	50.19	1.00	2.00	1.41	1.30
Cole Rd	Fairview Ave. to Northview St.	0.512	82.050	59.49	52.66	1.38	1.13		
Cole Rd	Northview St. to Ustick Rd.	0.543	68.830	60.8	55.85	1.13	1.09		
Cole Rd	Ustick Rd. to Mountainview Dr.	0.604	84.690	74.2	62.13	1.14	1.19		
Cole Rd	Mountainview Dr. to Chinden Blvd.	0.610	200.650	87.59	73.2	2.29	1.20		
Cole Rd.	Latigo Dr. to Amity Rd.	0.990	128.510	103.93	101.83	1.24	1.02	1.40	1.07
Cole Rd.	Amity Rd. to Victory Rd.	1.010	171.025	109.13	103.8857	1.57	1.05		
Cole Rd.	Victory Rd. to S. Costco/Century Way	0.577	64.960	60.95	59.35	1.07	1.03		
Cole Rd.	S. Costco/Century Way to Overland Rd.	0.423	97.370	51.93	43.51	1.88	1.19		
Cole Rd	Overland Rd. to Franklin Rd.	0.997	174.890	112.87	102.55	1.55	1.10		
Cole Rd	Franklin Rd. to Emerald St.	0.519	62.570	58.64	53.38	1.07	1.10		
Fairview Ave/Main St/Idaho St	W. End Boise River Br. to 27th	0.294	59.180	28.43	30.24	2.08	0.94	1.42	1.28
Fairview Ave/Main St/Idaho St	27th to 23rd	0.280	37.940	47.93	28.8	0.79	1.66		
Fairview Ave/Main St/Idaho St	23rd to 16th	0.240	34.240	33.55	26.13	1.02	1.28		
Fairview Ave/Main St/Idaho St	16th St to 13th St.	0.210	45.440	54.8	25.2	0.83	2.17		
Fairview Ave/Main St/Idaho St	13th St. to 9th St.	0.290	48.120	35.03	34.8	1.37	1.01		
Fairview Ave/Main St/Idaho St	9th St. to 5th St.	0.280	57.230	37.87	33.6	1.51	1.13		

**Ascending (East or Northbound) Travel Time Data for Ada County, 2008**

Name	Description	Distance	Congested Time	Ideal Time	Theoretic Time	SI	SI Prime	SI Weighted Average	SI Prime Weighted Average
Fairview Ave/Main St/Idaho St	5th St. to 1st St.	0.300	38.710	36.53	36	1.06	1.01		
Fairview Ave/Main St/Idaho St	1st St. to Broadway/Ave B	0.150	79.810	23.47	18	3.40	1.30		
Federal Way	SH-21/Federal Way to Yamhill Rd.	0.570	85.350	55.64	51.3	1.53	1.08	1.31	1.03
Federal Way	Yamhill Rd. to Amity Rd.	0.850	76.070	71.16	68	1.07	1.05		
Federal Way	Amity Rd. to Bergeson St.	1.000	119.931	75.81	80	1.58	0.95		
Federal Way	Bergeson St. to Broadway Ave.	0.758	108.731	78.5	68.22	1.39	1.15		
Federal Way	Broadway Ave. to Overland Rd.	1.163	106.540	103.35	104.67	1.03	0.99		
Federal Way	Overland Rd. to Kootenai St.	0.351	52.320	31.78	31.59	1.65	1.01		
Federal Way	Kootenai St. to Vista Ave./Eastover Rd.	0.668	80.510	64.06	60.12	1.26	1.07		
Five Mile Rd	Overland Rd. to Franklin Rd.	1.019	165.420	119.1	104.81	1.39	1.14	1.58	1.15
Five Mile Rd	Franklin Rd. to Fairview Ave.	1.032	219.760	124.27	106.15	1.77	1.17		
Franklin Rd	Main St. to Nola Rd.	0.981	139.470	94.41	87.84	1.48	1.07	1.43	1.11
Franklin Rd	Nola Rd. to Eagle Rd.	1.013	118.500	95.84	81.04	1.24	1.18		
Franklin Rd	Eagle Rd. to Cloverdale Rd.	1.059	142.250	90.11	84.72	1.58	1.06		
Franklin Rd	Cloverdale Rd. to Five Mile Rd.	1.010	135.350	85.61	80.8	1.58	1.06	1.53	1.05
Franklin Rd	Five Mile Rd. to Maple Grove Rd.	1.010	103.720	86.29	84.23	1.20	1.02		
Franklin Rd	Maple Grove Rd. to Milwaukee St.	0.650	102.680	72.02	66.86	1.43	1.08		
Franklin Rd	Milwaukee St. to Cole Rd.	0.360	96.980	38.36	37.03	2.53	1.04		
Franklin Rd.	Franklin Rd./CanAda Rd. to Star Rd.	0.985	334.830	90.32	78.8	3.71	1.15	1.68	1.23
Franklin Rd.	Star Rd. to McDermott Rd.	1.011	87.670	85.04	79.84	1.03	1.07		

**Ascending (East or Northbound) Travel Time Data for Ada County, 2008**

Name	Description	Distance	Congested Time	Ideal Time	Theoretic Time	SI	SI Prime	SI Weighted Average	SI Prime Weighted Average
Franklin Rd.	McDermott Rd. to Black Cat Rd.	1.003	90.420	79.63	72.22	1.14	1.10		
Franklin Rd.	Black Cat Rd. to Ten Mile Rd.	0.999	115.528	82.89	71.928	1.39	1.15		
Franklin Rd.	Ten Mile Rd. to Linder Rd.	1.004	112.190	87.87	72.29	1.28	1.22		
Franklin Rd.	Linder Rd. to Main St. (E. 1st St.)	1.099	201.100	128.55	78.55	1.56	1.64		
I-184	Jct. I-84 to Franklin Rd.	1.084	70.220	71.68	70.95	0.98	1.01	1.02	1.01
I-184	Franklin Rd. to Curtis Rd.	1.456	103.010	97.22	95.3	1.06	1.02		
I-184	Curtis Rd. to Orchard St.	0.550	35.550	34.44	36	1.03	0.96		
I-184	Orchard St. to Chinden Blvd.	0.500	33.830	34.11	32.73	0.99	1.04		
I-84	Ten Mile Rd. to Meridian Rd.	2.007	144.780	131.37	131.37	1.10	1.00	1.01	1.00
I-84	Meridian Rd. to Eagle Rd.	1.991	118.510	130.32	130.32	0.91	1.00		
I-84	Eagle Rd. to Five Mile Rd.	2.044	126.770	112.51	113.21	1.13	0.99	1.09	0.99
I-84	Five Mile Rd. to Overland Rd.	2.098	121.780	115.69	116.2	1.05	1.00		
I-84	Overland Rd. to Orchard St.	1.857	110.380	101.55	105.37	1.09	0.96		
I-84	Orchard St. to Vista Ave.	1.486	89.370	80.55	82.3	1.11	0.98	1.13	0.99
I-84	Vista Ave. to Broadway Ave.	1.002	57.890	55.81	55.5	1.04	1.01		
I-84	Broadway Ave. to Gowen Rd.	2.447	143.590	121.78	121.26	1.18	1.00		
I-84	Gowen Rd. to Eisenman	2.578	137.830	122.66	123.74	1.12	0.99		
Meridian Rd.	Corporate Dr. to Franklin Rd.	0.368	64.960	52.41	44.13	1.24	1.19	NA	1.14
Meridian Rd.	Franklin Rd. to Pine Ave.	0.502	102.900	74.01	66.93	1.39	1.11		
Meridian Rd.	Pine Ave. to Cherry Ln.	0.000		81.04	72.14	ND	1.12		
Orchard St	I-84 EB Ramps to Overland Rd.	1.080	147.840	127.16	119.31	1.16	1.07	1.55	1.07
Orchard St	Overland Rd. to Franklin Rd.	0.850	172.300	119.66	102	1.44	1.17		
Orchard St	Franklin Rd. to Emerald St	0.700	149.960	77.91	84	1.92	0.93		
Orchard St	Emerald St to I-184 EB Ramp	0.420	68.530	51.08	50.4	1.34	1.01		
Orchard St	I-184 EB Ramp to Bond St.	0.195	38.070	30.11	23.4	1.26	1.29		

**Ascending (East or Northbound) Travel Time Data for Ada County, 2008**

Name	Description	Distance	Congested Time	Ideal Time	Theoretic Time	SI	SI Prime	SI Weighted Average	SI Prime Weighted Average
Orchard St	Bond St. to Chinden Blvd.	0.284	99.740	34.16	34.08	2.92	1.00		
Overland Rd.	Maple Grove Rd. to Entertainment Ave.	0.680	87.130	70.1	65.28	1.24	1.07	1.74	1.13
Overland Rd.	Entertainment Ave. to Cole Rd.	0.330	117.210	39.18	33.94	2.99	1.15		
Overland Rd	Cole Rd. to Curtis Rd.	0.812	176.910	111.49	83.52	1.59	1.33		
Overland Rd	Curtis Rd. to Orchard St.	0.510	122.580	53.22	52.46	2.30	1.01		
Overland Rd	Orchard St. to Roosevelt St.	0.490	65.000	52.76	50.4	1.23	1.05		
Overland Rd	Roosevelt St. to Owyhee St.	0.500	78.170	52.94	51.43	1.48	1.03		
Overland Rd	Owyhee St. to Vista Ave./Overland Rd.	0.490	117.780	57.96	50.4	2.03	1.15		
Overland Rd.	Ten Mile Rd. to Linder Rd.	1.000	104.950	97.78	102.86	1.07	0.95	1.46	1.07
Overland Rd.	Linder Rd. to SH-69	1.000	150.580	112.09	90	1.34	1.25		
Overland Rd.	SH-69 to Locust Grove Rd.	0.960	137.680	89.86	86.4	1.53	1.04		
Overland Rd.	Locust Grove Rd. to Eagle Rd.	0.980	143.880	100.76	90.9	1.43	1.11		
Overland Rd.	Eagle Rd. to Cloverdale Rd.	1.010	133.380	82.71	80.8	1.61	1.02		
Overland Rd.	Cloverdale Rd. to Five Mile Rd.	1.010	145.820	89.58	80.8	1.63	1.11		
Overland Rd.	Five Mile Rd. to Maple Grove Rd.	1.090	155.270	97.03	98.1	1.60	0.99		
Park Blvd/Parkcenter Blvd	Broadway Ave. to Park/Parkcenter/Clearwater	0.314	40.780	38.7	32.3	1.05	1.20	1.29	1.04
Park Blvd/Parkcenter Blvd	Park/Parkcenter/Clearwater to Beacon St.	0.318	50.460	29.61	32.71	1.70	0.91		
Park Blvd/Parkcenter Blvd	Beacon St. to Mallard Dr.	0.517	82.390	55.2	53.18	1.49	1.04		
Park Blvd/Parkcenter Blvd	Mallard Dr. to River Run Dr.	0.550	66.970	57.78	56.57	1.16	1.02		
Park Blvd/Parkcenter Blvd	River Run Dr. to Apple St.	0.450	74.620	48.41	46.29	1.54	1.05		
Park Blvd/Parkcenter Blvd	Apple St. to Monterey	0.880	98.650	94.31	90.51	1.05	1.04		
SH-16	SH-44 to Floating Feather Rd.	1.265	80.050	76.99	70.06	1.04	1.10	1.10	1.03
SH-16	Floating Feather Rd. to Beacon Light Rd.	0.766	47.390	43.15	42.43	1.10	1.02		



**Ascending (East or Northbound) Travel Time Data for Ada County, 2008**

Name	Description	Distance	Congested Time	Ideal Time	Theoretic Time	SI	SI Prime	SI Weighted Average	SI Prime Weighted Average
SH-16	Beacon Light Rd. to Deep Canyon Rd.	1.369	88.975	77.68	75.822	1.15	1.02		
SH-16	Deep Canyon Rd. to Firebird entrance	2.085	127.600	116.47	115.48	1.10	1.01		
SH-16	Firebird entrance to County line	2.874	177.070	161.77	159.18	1.09	1.02		
SH-21	I-84 EB ramps to SH-21/Federal Way	0.410	67.390	44.93	42.17	1.50	1.07	1.07	1.07
SH-21	Federal Way to Technology Way	0.378	48.830	34.03	24.74	1.43	1.38		
SH-21	Technology Way to E. Lake Forest Dr.	1.699	121.710	116.34	111.21	1.05	1.05		
SH-21	E. Lake Forest Dr. to Warm Springs Ave.	1.093	66.360	66.93	71.54	0.99	0.94		
SH-21	Warm Springs Ave. to Discovery State Park	1.813	135.450	132.36	119.91	1.02	1.10		
SH-21	Discovery State Park to Sandy Point Ln.	0.555	46.400	49.63	44.4	0.93	1.12		
SH-44	Hwy 55 to Horseshoe Bend Rd.	0.187	34.150	24.65	12.24	1.39	2.01	1.55	1.12
SH-44	Horseshoe Bend Rd. to Glenwood	2.034	210.720	150.71	144.97	1.40	1.04		
SH-44	State St. to Marigold	0.610	158.620	74.63	62.74	2.13	1.19		
SH-44	Marigold to Chinden Blvd.	0.700	117.210	76.86	72	1.52	1.07		
SH-44	Linder to Begin New Alignment	1.530	122.020	107.86	100.15	1.13	1.08	1.12	1.34
SH-44	Begin New Alignment to Eagle Rd.	1.539	161.550	103.38	100.73	1.56	1.03		
SH-44	Eagle Rd. to Hwy 55	1.960	168.530	222.19	123.77	0.76	1.80		
SH-44	Kingsbury Rd. to Blessinger Lane	1.006	68.830	65.72	65.85	1.05	1.00	1.26	1.01

**Ascending (East or Northbound) Travel Time Data for Ada County, 2008**

Name	Description	Distance	Congested Time	Ideal Time	Theoretic Time	SI	SI Prime	SI Weighted Average	SI Prime Weighted Average
SH-44	Blessinger Lane to Can-Ada Rd.	1.053	71.590	69.51	68.92	1.03	1.01		
SH-44	Can-Ada Rd. to Star Rd.	1.000	110.150	90.95	88.41	1.21	1.03		
SH-44	Star Rd. to Taurus Way	0.440	70.810	65.87	63.36	1.07	1.04		
SH-44	Taurus Way to Jct SH 16	1.299	112.020	93.85	92.82	1.19	1.01		
SH-44	Jct SH 16 to Palmer Lane	0.752	54.720	50.89	49.22	1.08	1.03		
SH-44	Palmer Lane to Linder	1.513	176.990	99.62	99.03	1.78	1.01		
SH-55	Overland Rd. to I-84 EB Ramps	0.157	32.570	0	11.3	ND	0.00	NA	1.09
SH-55	I-84 EB Ramps to St. Lukes Ln.	0.423	168.550	51.06	30.46	3.30	1.68		
SH-55	St. Lukes Ln. to Franklin	0.437	74.910	22.42	18	3.34	1.25		
SH-55	Franklin to Fairview	1.002	233.780	73.91	72.14	3.16	1.02		
SH-55	Fairview to Ustick	0.978	107.040	67.89	68.42	1.58	0.99		
SH-55	Ustick to McMillan	1.011	128.480	73.09	66.17	1.76	1.10		
SH-55	McMillan to Chinden	1.009	127.680	69.91	66.04	1.83	1.06	1.54	1.09
SH-55	Chinden to Hwy 44	1.911	199.580	143.78	129.51	1.39	1.11		
SH-55	Hwy 44 to Hill Rd.	0.616	52.790	48.94	40.32	1.08	1.21	1.13	1.07
SH-55	Hill Rd. to Floating Feather	0.893	74.190	59.84	58.45	1.24	1.02		
SH-55	Floating Feather to Beacon Light	0.990	69.320	65.62	64.8	1.06	1.01		
SH-69	Kuna Rd. to Deer Flat Rd.	1.026	82.300	68.88	67.16	1.19	1.03	1.11	1.01
SH-69	Deer Flat Rd. to Hubbard Rd.	0.993	70.260	66.16	65	1.06	1.02		
SH-69	Hubbard Rd. to Columbia Rd.	1.009	68.470	66.65	66.04	1.03	1.01		
SH-69	Columbia Rd. to Lake Hazel Rd.	1.002	71.220	66.17	65.59	1.08	1.01		
SH-69	Lake Hazel Rd. to Amity Rd.	1.009	76.940	67.19	66.04	1.15	1.02		
SH-69	Amity Rd. to Victory Rd.	1.009	74.460	66.63	66.04	1.12	1.01		
SH-69/Main St	Victory Rd. to Overland Rd.	1.013	187.740	74.84	69.48	2.51	1.08	1.81	1.12

**Ascending (East or Northbound) Travel Time Data for Ada County, 2008**

Name	Description	Distance	Congested Time	Ideal Time	Theoretic Time	SI	SI Prime	SI Weighted Average	SI Prime Weighted Average
SH-69/Main St	Overland Rd. to I-84 EB Ramps	0.126	22.130	16.88	11.54	1.31	1.46		
SH-69/Main St	I-84 EB Ramps to I-84 WB Ramps	0.166	19.080	22.6	17.07	0.84	1.32		
SH-69/Main St.	I-84 WB Ramps to Corporate Dr.	0.396	53.880	43.81	40.73	1.23	1.08		
SH-69/Main St.	Corporate Dr. to Franklin Rd.	0.340	60.710	43.36	34.97	1.40	1.24		
SH-69/Main St.	Franklin Rd. to Pine Ave.	0.501	103.430	67.54	72.14	1.53	0.94		
SH-69/Main St.	Pine Ave. to Main/Cherry Ln.	0.477	135.330	71.7	60.61	1.89	1.18		
State St	Glenwood to Pierce Park	0.687	70.110	73.86	54.96	0.95	1.34	1.30	1.09
State St	Pierce Park to Collister Dr	1.323	146.830	107.39	105.84	1.37	1.01		
State St	Collister Dr to Veterans Parkway	0.912	149.700	98.2	93.81	1.52	1.05		
State St	Veterans Parkway to 27th St	0.927	117.180	98.44	95.35	1.19	1.03		
State St	27th St to 18th St.	0.655	85.660	81.44	74.54	1.05	1.09		
State St	18th St. to 15th St.	0.239	71.870	33.99	28.68	2.11	1.19		
Ten Mile Rd.	Amity Rd. to Victory Rd.	1.010	87.062	82.51	72.72	1.06	1.13	1.08	1.10
Ten Mile Rd.	Victory Rd. to Overland Rd.	1.000	94.550	92.1	90	1.03	1.02		
Ten Mile Rd.	Overland Rd. to Franklin Rd.	1.010	95.680	82.5	72.72	1.16	1.13		
US-20/26	Linder to Eagle Rd.	2.971	350.670	203.28	194.47	1.73	1.05	1.67	1.04
US-20/26	Eagle Rd. to Cloverdale Rd.	1.001	107.560	71.92	65.52	1.50	1.10		
US-20/26	Cloverdale Rd. to Garrett	1.842	215.130	127.83	123.07	1.68	1.04		
US-20/26	Garrett to Glenwood	1.093	164.070	98.06	98.07	1.67	1.00		
US-20/26	Glenwood to Veterans Pkwy.	1.955	293.230	207.61	201.09	1.41	1.03	1.56	1.08
US-20/26	Veterans Pkwy. to 36th	0.648	84.670	69.36	66.65	1.22	1.04		
US-20/26	36th to Main St.	0.482	54.650	49.62	49.58	1.10	1.00		
US-20/26	Main St. to 13th.	1.262	246.330	115.28	96.77	2.14	1.19		
US-20/26	13th. to 9th	0.301	58.310	54.68	30.96	1.07	1.77	1.35	1.12
US-20/26	9th to Capitol Blvd.	0.144	17.420	23.43	14.81	0.74	1.58		
US-20/26	Capitol Blvd. to Broadway	0.724	85.610	78.21	74.47	1.09	1.05		

**Ascending (East or Northbound) Travel Time Data for Ada County, 2008**

Name	Description	Distance	Congested Time	Ideal Time	Theoretic Time	SI	SI Prime	SI Weighted Average	SI Prime Weighted Average
US-20/26	Broadway/Myrtle to Beacon	0.510	95.830	57.97	52.46	1.65	1.11		
US-20/26	Beacon to Boise Ave.	0.551	104.500	62.19	56.67	1.68	1.10		
US-20/26	Boise Ave. to Federal Way	1.070	141.630	109.19	110.06	1.30	0.99		
US-20/26	Federal Way to I-84 EB Ramps	0.692	93.340	63.71	60.21	1.47	1.06		
US-20/26	11th Ave. N Ext. to Can-Ada Rd.	1.015	68.080	66.86	66.44	1.02	1.01	1.15	1.00
US-20/26	Can-Ada Rd. to Star Rd.	0.977	96.810	64	63.95	1.51	1.00		
US-20/26	Star Rd. to McDermott Rd.	1.007	78.410	66.08	65.91	1.19	1.00		
US-20/26	McDermott Rd. to Black Cat Rd.	0.988	67.380	65.03	64.67	1.04	1.01		
US-20/26	Black Cat Rd. to Ten Mile Rd.	1.001	67.380	65.79	65.52	1.02	1.00		
US-20/26	Ten Mile Rd. to Linder	0.995	73.650	65.56	65.13	1.12	1.01		
Vista Ave/Capitol Blvd/9th St	Wright St. to I-84 EB Ramps	0.078	17.520	8.31	8.02	2.11	1.04	1.49	1.10
Vista Ave/Capitol Blvd/9th St	I-84 EB Ramps to Canal St.	0.480	67.970	52.4	49.37	1.30	1.06		
Vista Ave/Capitol Blvd/9th St	Canal St. to Targee St.	0.370	40.950	39.61	38.06	1.03	1.04		
Vista Ave/Capitol Blvd/9th St	Targee St. to Overland Rd.	0.490	74.700	53.56	50.4	1.39	1.06		
Vista Ave/Capitol Blvd/9th St	Overland Rd. to Kootenai St.	0.240	48.180	26.66	24.69	1.81	1.08		
Vista Ave/Capitol Blvd/9th St	Kootenai St. to Eastover Rd.	0.605	68.950	61.65	62.23	1.12	0.99		
Vista Ave/Capitol Blvd/9th St	Eastover Rd to University Dr.	0.292	79.090	40.9	30.03	1.93	1.36		
Vista Ave/Capitol Blvd/9th St	University Dr. to Myrtle St.	0.542	129.070	72.02	62.54	1.79	1.15		
Vista Ave/Capitol Blvd/9th St	Myrtle St. to Front St.	0.120	50.110	22.34	14.4	2.24	1.55		
Vista Ave/Capitol Blvd/9th St	Front St. to Bannock St.	0.265	60.520	38.03	38.16	1.59	1.00		

**Table A- 2 Descending Data - Ada County**

<b>Descending (West or Southbound) Travel Time Data for Ada County, 2008</b>									
Name	Description	Distance	Congested Time	Ideal Time	Theoretic Time	SI	SI Prime	SI Weighted Average	SI Prime Weighted Average
Americana Blvd./15th St./16th St.	State St. to Main St.	0.250	53.836	48.96	30	1.10	1.63	1.62	1.10
Americana Blvd./15th St./16th St.	Main St. to Shoreline Dr.	1.670	103.078	55.39	54	1.86	1.03		
Americana Blvd./15th St./16th St.	Shoreline Dr. to Emerald St.	0.540	76.820	69.14	64.8	1.11	1.07		
Amity Rd.	SH-69 to Linder Rd.	1.010	95.750	80.98	72.72	1.18	1.11	1.05	1.10
Amity Rd.	Linder Rd. to Ten Mile Rd.	1.000	91.890	81.69	72	1.12	1.13		
Amity Rd.	Ten Mile Rd. to Black Cat Rd.	1.000	77.050	75.96	72	1.01	1.06		
Amity Rd.	Black Cat Rd. to McDermott Rd.	0.929	74.903	72.72	66.888	1.03	1.09		
Amity Rd.	McDermott Rd. to Robinson Rd.	1.091	81.000	83.73	78.55	0.97	1.07		
Amity Rd.	Robinson Rd. to Happy Valley Rd.	0.960	86.820	85.65	73.53	1.01	1.16		
Cherry Ln/Fairview Ave	Locust Grove St. to Main/Cherry Ln.	0.852	262.080	91.11	87.63	2.88	1.04	1.68	1.05
Cherry Ln/Fairview Ave	Main St. to Linder St.	1.116	203.650	117.76	114.79	1.73	1.03		
Cherry Ln/Fairview Ave	Linder St. to Ten Mile Rd.	1.020	130.630	108.6	104.91	1.20	1.04		
Cherry Ln/Fairview Ave	Ten Mile Rd. to Black Cat Rd.	1.010	125.330	114.63	103.89	1.09	1.10		
Fairview Ave	Maple Grove Rd. to Mitchell St.	0.619	60.710	53.42	53.38	1.14	1.00	1.63	1.09
Fairview Ave	Mitchell St. to Five Mile Rd.	0.491	111.220	55.17	50.5	2.02	1.09		
Fairview Ave	Five Mile Rd. to Cloverdale Rd.	1.010	155.660	94.44	90.9	1.65	1.04		
Fairview Ave	Cloverdale Rd. to Eagle Rd.	1.009	197.640	97.1	90.9	2.04	1.07		
Fairview Ave	Eagle Rd. to Locust Grove St.	1.001	148.240	112.34	91.48	1.32	1.23		
Fairview Ave	Orchard St. to Curtis Rd.	0.511	127.580	58.82	52.56	2.17	1.12	1.78	1.13
Fairview Ave	Curtis Rd. to Liberty St.	0.380	47.150	41.09	39.09	1.15	1.05		

**Descending (West or Southbound) Travel Time Data for Ada County, 2008**

Name	Description	Distance	Congested Time	Ideal Time	Theoretic Time	SI	SI Prime	SI Weighted Average	SI Prime Weighted Average
Fairview Ave	Liberty St. to Cole Rd.	0.655	206.150	81.81	67.37	2.52	1.21		
Fairview Ave	Cole Rd. to Milwaukee St.	0.506	87.070	60.31	52.05	1.44	1.16		
Fairview Ave	Milwaukee St. to Maple Grove Rd.	0.498	67.920	54.53	51.22	1.25	1.06		
Cole Rd	Chinden Blvd. to Mountainview Dr.	0.610	146.090	84	73.2	1.74	1.15	1.51	1.14
Cole Rd	Mountainview Dr. to Ustick Rd.	0.604	87.730	74.79	62.13	1.17	1.20		
Cole Rd	Ustick Rd. to Northview St.	0.543	80.330	55.54	55.85	1.45	0.99		
Cole Rd	Northview St. to Fairview Ave.	0.512	122.240	68.18	52.66	1.79	1.29		
Cole Rd	Fairview Ave. to Emerald St.	0.488	75.860	53.38	50.19	1.42	1.06		
Cole Rd	Emerald St. to Franklin Rd.	0.519	120.430	60.59	53.38	1.99	1.14	1.72	1.04
Cole Rd	Franklin Rd. to Overland Rd.	0.997	199.130	108.82	102.55	1.83	1.06		
Cole Rd.	Overland Rd. to S. Costco/Century Way	0.423	102.960	43.64	43.51	2.36	1.00		
Cole Rd.	S. Costco/Century Way to Victory Rd.	0.577	161.040	65.54	59.35	2.46	1.10		
Cole Rd.	Victory Rd. to Amity Rd.	1.010	144.060	104.71	103.89	1.38	1.01		
Cole Rd.	Amity Rd. to Latigo Dr.	0.990	110.456	98.53	101.8286	1.12	0.97		
Fairview Ave/Main St/Idaho St	Idaho St/Ave. B to 1st St.	0.130	22.100	22.78	15.6	0.97	1.46	1.32	1.19
Fairview Ave/Main St/Idaho St	1st St. to 6th St.	0.355	73.630	47.78	42.6	1.54	1.12		
Fairview Ave/Main St/Idaho St	6th St. to 9th St.	0.190	54.470	26.42	22.8	2.06	1.16		
Fairview Ave/Main St/Idaho St	9th St. to 13th St.	0.290	50.920	34.39	34.8	1.48	0.99		
Fairview Ave/Main St/Idaho St	13th St. to 16th St.	0.260	47.300	26.33	31.2	1.80	0.84		
Fairview Ave/Main St/Idaho St	16th St. to Grove St.	0.190	24.210	24.98	21.6	0.97	1.16		
Fairview Ave/Main St/Idaho St	Grove St. to 23rd St.	0.194	26.720	46.2	19.25	0.58	2.40		



**Descending (West or Southbound) Travel Time Data for Ada County, 2008**

Name	Description	Distance	Congested Time	Ideal Time	Theoretic Time	SI	SI Prime	SI Weighted Average	SI Prime Weighted Average
Fairview Ave/Main St/Idaho St	23rd St. to 27th St.	0.282	36.460	31.99	29.01	1.14	1.10		
Fairview Ave/Main St/Idaho St	27th St. to W. End Boise River Br.	0.393	45.280	42.01	40.42	1.08	1.04		
Federal Way	Vista Ave./Eastover Rd. to Kootenai St.	0.668	87.450	62.65	60.12	1.40	1.04	1.40	1.03
Federal Way	Kootenai St. to Overland Rd.	0.351	48.820	33.32	31.59	1.47	1.05		
Federal Way	Overland Rd. to Broadway Ave.	1.163	139.350	98.19	104.67	1.42	0.94		
Federal Way	Broadway Ave. to Bergeson St.	0.758	114.300	76.29	68.22	1.50	1.12		
Federal Way	Bergeson St. to Amity Rd.	1.000	87.606	79.01	80	1.11	0.99		
Federal Way	Amity Rd. to Yamhill Rd.	0.850	80.028	70.26	68	1.14	1.03		
Federal Way	Yamhill Rd. to SH-21/Federal Way	0.570	121.000	58.78	51.3	2.06	1.15		
Five Mile Rd	Fairview Ave. to Franklin Rd.	1.032	143.010	115.62	106.15	1.24	1.09	1.39	1.10
Five Mile Rd	Franklin Rd. to Overland Rd.	1.019	180.440	116.14	104.81	1.55	1.11		
Franklin Rd	Cloverdale Rd. to Eagle Rd.	1.059	243.560	88.77	84.72	2.74	1.05	1.99	1.03
Franklin Rd	Eagle Rd. to Nola Rd.	1.013	88.320	79.66	81.04	1.11	0.98		
Franklin Rd	Nola Rd. to Main St.	0.981	194.000	92.6	87.84	2.10	1.05		
Franklin Rd	Cole Rd. to Milwaukee St.	0.360	77.190	38.37	37.03	2.01	1.04	1.84	1.05
Franklin Rd	Milwaukee St. to Maple Grove Rd.	0.650	86.090	72.2	66.86	1.19	1.08		
Franklin Rd	Maple Grove Rd. to Five Mile Rd.	1.010	187.570	84.96	84.23	2.21	1.01		
Franklin Rd	Five Mile Rd. to Cloverdale Rd.	1.010	157.420	86.7	80.8	1.82	1.07		
Franklin Rd.	Main St. (E. 1st St.) to Linder Rd.	1.099	163.730	126.07	113.04	1.30	1.12	1.35	1.11
Franklin Rd.	Linder Rd. to Ten Mile Rd.	1.004	184.410	83.92	72.29	2.20	1.16		
Franklin Rd.	Ten Mile Rd. to Black Cat Rd.	0.999	101.160	83.39	71.93	1.21	1.16		

**Descending (West or Southbound) Travel Time Data for Ada County, 2008**

Name	Description	Distance	Congested Time	Ideal Time	Theoretic Time	SI	SI Prime	SI Weighted Average	SI Prime Weighted Average
Franklin Rd.	Black Cat Rd. to McDermott Rd.	1.003	80.897	76.77	72.216	1.05	1.06		
Franklin Rd.	McDermott Rd. to Star Rd.	0.998	106.490	85.74	79.84	1.24	1.07		
Franklin Rd.	Star Rd. to Franklin Rd./Can-Ada Rd.	0.985	94.460	85.45	78.8	1.11	1.08		
I-184	Chinden Blvd. to Orchard St.	0.500	34.770	32.16	32.73	1.08	0.98	1.03	1.00
I-184	Orchard St. to Curtis Rd.	0.550	37.710	34.77	36	1.08	0.97		
I-184	Curtis Rd. to Franklin Rd.	1.456	100.330	99.87	95.3	1.00	1.05		
I-184	Franklin Rd. to Jct. I-84	1.084	68.930	68.42	70.95	1.01	0.96		
I-84	Eagle Rd. to Meridian Rd.	1.991	237.240	130.32	130.32	1.82	1.00	1.54	1.00
I-84	Meridian Rd. to Ten Mile Rd.	2.007	165.510	131.37	131.37	1.26	1.00		
I-84	Orchard St. to Overland Rd.	1.857	106.580	100.29	105.37	1.06	0.95	1.10	0.99
I-84	Overland Rd. to Five Mile Rd.	2.098	137.240	117.84	116.2	1.16	1.01		
I-84	Five Mile Rd. to Eagle Rd.	2.044	121.170	112.59	113.21	1.08	0.99		
I-84	Eisenman to Gowen Rd.	2.578	138.380	122.03	123.74	1.13	0.99	1.31	0.99
I-84	Gowen Rd. to Broadway Ave.	2.447	143.300	121.05	121.26	1.18	1.00		
I-84	Broadway Ave. to Vista Ave.	1.002	103.210	54.4	55.5	1.90	0.98		
I-84	Vista Ave. to Orchard St.	1.486	117.580	80.66	82.3	1.46	0.98		
Meridian Rd.	Cherry Ln. to Pine Ave.	0.501	95.150	76.21	72.14	1.25	1.06	1.72	1.09
Meridian Rd.	Pine Ave. to Franklin Rd.	0.502	171.300	75.95	66.93	2.26	1.13		
Meridian Rd.	Franklin Rd. to Corporate Dr.	0.368	76.700	47.08	44.16	1.63	1.07		
Orchard St	Chinden Blvd. to Bond St.	0.284	40.150	36.37	34.08	1.10	1.07	1.52	1.04
Orchard St	Bond St. to I-184 EB Ramp	0.195	44.800	26	23.4	1.72	1.11		
Orchard St	I-184 EB Ramp to Emerald St	0.420	107.100	52.19	50.4	2.05	1.04		
Orchard St	Emerald St to Franklin Rd.	0.700	113.830	78.12	84	1.46	0.93		
Orchard St	Franklin Rd. to Overland Rd.	0.850	182.500	118.4	102	1.54	1.16		
Orchard St	Overland Rd. to I-84 EB Ramps	1.080	165.320	117.55	119.31	1.41	0.99		

**Descending (West or Southbound) Travel Time Data for Ada County, 2008**

Name	Description	Distance	Congested Time	Ideal Time	Theoretic Time	SI	SI Prime	SI Weighted Average	SI Prime Weighted Average
Overland Rd	Vista Ave./Overland Rd. to Owyhee St.	0.490	64.770	56.06	50.4	1.16	1.11	1.81	1.12
Overland Rd	Owyhee St. to Roosevelt St.	0.500	101.180	51.4	51.43	1.97	1.00		
Overland Rd	Roosevelt St. to Orchard St.	0.490	122.350	54.02	50.4	2.26	1.07		
Overland Rd	Orchard St. to Curtis Rd.	0.510	93.760	54.94	52.46	1.71	1.05		
Overland Rd	Curtis Rd. to Cole Rd.	0.812	157.620	110.37	83.52	1.43	1.32		
Overland Rd.	Cole Rd. to Entertainment Ave.	0.330	103.960	35.51	33.94	2.93	1.05		
Overland Rd.	Entertainment Ave. to Maple Grove Rd.	0.680	127.010	70.69	65.28	1.80	1.08		
Overland Rd.	Maple Grove Rd. to Five Mile Rd.	1.090	154.080	110.54	98.1	1.39	1.13		
Overland Rd.	Five Mile Rd. to Cloverdale Rd.	1.010	122.820	89.55	80.8	1.37	1.11		
Overland Rd.	Cloverdale Rd. to Eagle Rd.	1.010	157.630	89.11	80.8	1.77	1.10		
Overland Rd.	Eagle Rd. to Locust Grove Rd.	1.010	160.390	85.09	90.9	1.88	0.94		
Overland Rd.	Locust Grove Rd. to SH-69	0.960	142.120	104.37	86.4	1.36	1.21		
Overland Rd.	SH-69 to Linder Rd.	1.000	113.720	94.53	90	1.20	1.05		
Overland Rd.	Linder Rd. to Ten Mile Rd.	1.000	117.610	104.79	102.86	1.12	1.02		
Park Blvd/Parkcenter Blvd	Monterey to Apple St.	0.880	107.070	96.53	90.51	1.11	1.07		
Park Blvd/Parkcenter Blvd	Apple St. to River Run Dr.	0.450	52.930	47.39	46.29	1.12	1.02		
Park Blvd/Parkcenter Blvd	River Run Dr. to Mallard Dr.	0.550	73.250	57.06	56.57	1.28	1.01		
Park Blvd/Parkcenter Blvd	Mallard Dr. to Beacon St.	0.517	75.400	55.51	53.18	1.36	1.04		
Park Blvd/Parkcenter Blvd	Beacon St. to Park/Parkcenter/Clearwater	0.318	69.860	28.45	32.71	2.46	0.87		
Park Blvd/Parkcenter Blvd	Park/Parkcenter/Clearwater to Broadway Ave.	0.517	76.080	61.87	53.18	1.23	1.16		
SH-16	County Line to Firebird Entrance	2.874	163.880	167.52	159.18	0.98	1.05	1.06	1.03
SH-16	Firebird Entrance to Deep Canyon Rd.	2.085	117.620	110.22	115.48	1.07	0.95		

**Descending (West or Southbound) Travel Time Data for Ada County, 2008**

Name	Description	Distance	Congested Time	Ideal Time	Theoretic Time	SI	SI Prime	SI Weighted Average	SI Prime Weighted Average
SH-16	Deep Canyon Rd. to Beacon Light Rd.	1.369	79.780	77.33	75.82	1.03	1.02		
SH-16	Beacon Light Rd. to Floating Feather Rd.	0.766	52.931	43.47	42.425	1.22	1.02		
SH-16	Floating Feather Rd. to SH-44	1.265	90.650	78.46	70.06	1.16	1.12		
SH-21	Sandy Point Ln. to Discovery State Park	0.555	43.180	41.82	44.4	1.03	0.94	1.20	1.08
SH-21	Discovery State Park to Warm Springs Ave.	1.813	141.380	130.43	119.91	1.08	1.09		
SH-21	Warm Springs Ave. to E. Lake Forest Dr.	1.093	69.080	68.23	71.54	1.01	0.95		
SH-21	E. Lake Forest Dr. to Technology Way	1.699	132.000	116.8	111.21	1.13	1.05		
SH-21	Technology Way to Federal Way	0.368	89.960	33.71	24.74	2.67	1.36		
SH-21	SH-21/Federal Way to I-84 EB Ramps	0.410	85.290	59.28	42.17	1.44	1.41		
SH-44	Chinden Blvd. to Marigold	0.700	122.480	77.75	72	1.58	1.08	1.45	1.11
SH-44	Marigold to State St.	0.610	112.430	68.87	62.74	1.63	1.10		
SH-44	Glenwood to Horseshoe Bend Rd.	2.034	205.850	152.28	144.97	1.35	1.05		
SH-44	Horseshoe Bend Rd. to Hwy 55	0.187	32.310	22.29	12.24	1.45	1.82		
SH-44	Hwy 55 to Eagle Rd.	1.960	216.500	128.72	123.77	1.68	1.04	1.81	1.03
SH-44	Eagle Rd. to Begin New Alignment	1.539	119.780	102.64	100.73	1.17	1.02		
SH-44	Begin New Alignment to Linder	1.530	266.230	101.57	100.15	2.62	1.01		
SH-44	Linder to Palmer Lane	1.513	121.150	99.72	99.03	1.21	1.01	1.16	1.02
SH-44	Palmer Lane to Jct SH 16	0.752	61.300	53.95	49.22	1.14	1.10		
SH-44	Jct SH 16 to Taurus Way	1.299	117.590	96.64	92.82	1.22	1.04		

**Descending (West or Southbound) Travel Time Data for Ada County, 2008**

Name	Description	Distance	Congested Time	Ideal Time	Theoretic Time	SI	SI Prime	SI Weighted Average	SI Prime Weighted Average
SH-44	Taurus Way to Star Rd.	0.440	97.470	66.56	63.36	1.46	1.05		
SH-44	Star Rd. to Can-Ada Rd.	1.000	93.700	86.65	88.41	1.08	0.98		
SH-44	Can-Ada Rd. to Blessinger Lane	1.053	72.050	68.7	68.92	1.05	1.00		
SH-44	Blessinger Lane to Kingsbury Rd.	1.006	69.750	66.33	65.85	1.05	1.01		
SH-55	McMillan to Ustick	1.011	126.700	69.09	66.17	1.83	1.04	NA	1.08
SH-55	Ustick to Fairview	0.978	126.440	68.47	68.42	1.85	1.00		
SH-55	Fairview to Franklin	1.002	145.780	78.3	72.14	1.86	1.09		
SH-55	Franklin to St. Lukes Ln.	0.437	45.540	20.43	18	2.23	1.14		
SH-55	St. Lukes Ln. to I-84 EB Ramps	0.423	79.560	50.42	30.46	1.58	1.66		
SH-55	I-84 EB Ramps to Overland Rd.	0.157	38.420	0	11.3	ND	0.00		
SH-55	Hwy 44 to Chinden	1.911	213.490	138.01	129.51	1.55	1.07		
SH-55	Chinden to McMillan	1.009	88.110	67.91	66.04	1.30	1.03		
SH-55	Beacon Light to Floating Feather	0.990	99.310	76.62	64.8	1.30	1.18	1.39	1.13
SH-55	Floating Feather to Hill Rd.	0.893	63.490	59.65	58.45	1.06	1.02		
SH-55	Hill Rd. to Hwy 44	0.616	97.830	48.18	40.32	2.03	1.19		
SH-69	Victory Rd. to Amity Rd.	1.009	90.830	66.46	66.04	1.37	1.01		
SH-69	Amity Rd. to Lake Hazel Rd.	1.009	71.010	66.51	66.04	1.07	1.01		
SH-69	Lake Hazel Rd. to Columbia Rd.	1.002	67.290	66.2	65.59	1.02	1.01		
SH-69	Columbia Rd. to Hubbard Rd.	1.009	67.590	66.57	66.04	1.02	1.01		
SH-69	Hubbard Rd. to Deer Flat Rd.	0.993	107.380	66.21	65	1.62	1.02		
SH-69	Deer Flat Rd. to Kuna Rd.	1.026	74.460	67.96	67.16	1.10	1.01		
SH-69/Main St.	Main/Cherry Ln. to Pine Ave.	0.477	85.360	71.06	60.61	1.20	1.17		
SH-69/Main St.	Pine Ave. to Franklin Rd.	0.501	78.820	69.41	72.14	1.14	0.96		
SH-69/Main St.	Franklin Rd. to Corporate Dr.	0.340	54.000	40.18	34.97	1.34	1.15		

**Descending (West or Southbound) Travel Time Data for Ada County, 2008**

Name	Description	Distance	Congested Time	Ideal Time	Theoretic Time	SI	SI Prime	SI Weighted Average	SI Prime Weighted Average
SH-69/Main St.	Corporate Dr. to I-84 WB Ramps	0.396	81.010	36.41	40.73	2.22	0.89		
SH-69/Main St	I-84 WB Ramps to I-84 EB Ramps	0.166	18.580	23	17.07	0.81	1.35		
SH-69/Main St	I-84 EB Ramps to Overland Rd.	0.126	22.050	14.29	11.54	1.54	1.24		
SH-69/Main St	Overland Rd. to Victory Rd.	1.013	81.190	74.38	69.48	1.09	1.07		
State St	15th St. to 18th St.	0.239	36.250	44.58	28.68	0.81	1.55	1.65	1.07
State St	18th St. to 27th St	0.655	116.350	74.54	74.54	1.56	1.00		
State St	27th St to Veterans Parkway	0.927	228.040	98.96	95.35	2.30	1.04		
State St	Veterans Parkway to Collister Dr	0.912	114.280	96.81	93.81	1.18	1.03		
State St	Collister Dr to Pierce Park	1.323	176.670	113.33	105.84	1.56	1.07		
State St	Pierce Park to Glenwood	0.687	115.340	59.9	54.96	1.93	1.09		
Ten Mile Rd.	Franklin Rd. to Overland Rd.	1.010	86.960	80.84	72.72	1.08	1.11	1.12	1.10
Ten Mile Rd.	Overland Rd. to Victory Rd.	1.000	115.940	93.93	90	1.23	1.04		
Ten Mile Rd.	Victory Rd. to Amity Rd.	1.010	87.700	82.58	72.72	1.06	1.14		
US-20/26	Glenwood to Garrett	1.093	108.160	98.83	98.07	1.09	1.01	1.97	1.05
US-20/26	Garrett to Cloverdale Rd.	1.842	173.040	137.19	123.07	1.26	1.11		
US-20/26	Cloverdale Rd. to Eagle Rd.	1.001	244.490	73.45	65.52	3.33	1.12		
US-20/26	Eagle Rd. to Linder	2.971	445.200	196.14	194.47	2.27	1.01		
US-20/26	13th. to Main St.	1.262	101.600	95.95	96.77	1.06	0.99		
US-20/26	Main St. to 36th	0.482	96.990	50.42	49.58	1.92	1.02		
US-20/26	36th to Veterans Pkwy.	0.648	117.440	78.25	66.65	1.50	1.17		
US-20/26	Veterans Pkwy. to Glenwood	1.955	257.290	208.41	201.09	1.23	1.04		
US-20/26	I-84 EB Ramps to Federal Way	0.692	68.210	60.76	60.21	1.12	1.01		
US-20/26	Federal Way to Boise Ave.	1.070	167.220	115.89	110.06	1.44	1.05		
US-20/26	Boise Ave. to Beacon	0.551	96.320	65.58	56.67	1.47	1.16		
US-20/26	Beacon to Broadway/Myrtle	0.510	99.650	57.6	52.46	1.73	1.10		

**Descending (West or Southbound) Travel Time Data for Ada County, 2008**

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US-20/26	Myrtle to Front	0.138	74.530	21.04	14.19	3.54	1.48		
US-20/26	Front/Broadway to Capitol Blvd.	0.648	148.100	86.88	66.65	1.70	1.30		
US-20/26	Capitol Blvd. to 9th	0.144	34.740	15.77	14.81	2.20	1.06		
US-20/26	9th to 13th	0.288	40.930	29.67	29.62	1.38	1.00		
US-20/26	Linder to Ten Mile Rd.	0.995	74.450	66.2	65.13	1.12	1.02	1.23	1.01
US-20/26	Ten Mile Rd. to Black Cat Rd.	1.001	67.910	65.54	65.52	1.04	1.00		
US-20/26	Black Cat Rd. to McDermott Rd.	0.988	66.880	64.82	64.67	1.03	1.00		
US-20/26	McDermott Rd. to Star Rd.	1.007	129.830	66.93	65.91	1.94	1.02		
US-20/26	Star Rd. to Can-Ada Rd.	0.977	74.130	64.41	63.95	1.15	1.01		
US-20/26	Can-Ada Rd. to 11th Ave. N Ext.	1.015	71.270	66.46	66.44	1.07	1.00		
Vista Ave/Capitol Blvd/9th St	State St. to Main St.	0.260	154.240	66.84	31.2	2.31	2.14	1.94	1.24
Vista Ave/Capitol Blvd/9th St	Main St. to Myrtle St.	0.226	127.120	18.43	10.29	6.90	1.79		
Vista Ave/Capitol Blvd/9th St	Myrtle St. to University Dr.	0.504	136.070	62.03	51.84	2.19	1.20		
Vista Ave/Capitol Blvd/9th St	University Dr. to Eastover Rd	0.292	42.930	35.32	30.03	1.22	1.18		
Vista Ave/Capitol Blvd/9th St	Eastover Rd. to Kootenai St.	0.605	98.650	62.95	62.23	1.57	1.01		
Vista Ave/Capitol Blvd/9th St	Kootenai St. to Overland Rd.	0.240	54.520	38.88	24.69	1.40	1.57		
Vista Ave/Capitol Blvd/9th St	Overland Rd. to Targee St.	0.490	57.970	55.47	50.4	1.05	1.10		
Vista Ave/Capitol Blvd/9th St	Targee St. to Canal St.	0.370	42.290	38.92	38.06	1.09	1.02		
Vista Ave/Capitol Blvd/9th St	Canal St. to I-84 EB Ramps	0.480	75.560	51.63	49.37	1.46	1.05		
Vista Ave/Capitol Blvd/9th St	I-84 EB Ramps to Wright St.	0.078	38.100	8.31	8.02	4.58	1.04		

**Table A- 3 Ascending Data - Canyon County**

<b>Ascending (East or Northbound) Travel Time Data for Canyon County, 2008</b>									
Name	Description	Distance	Congested Time	Ideal Time	Theoretic Time	SI	SI Prime	SI Weighted Average	SI Prime Weighted Average
10th Ave	I-84 WB Ramps to Chicago St.	0.469	92.150	55.41	48.24	1.66	1.15	1.38	1.61
10th Ave	Chicago St. to Cleveland Blvd.	0.424	98.970	92.24	43.61	1.07	2.12		
21st Ave	Cleveland Blvd. to Chicago St.	0.427	0.000	61.66	51.24	ND	1.20	NA	1.69
21st Ave	Chicago St. to Franklin Rd.	0.318	0.000	39.3	32.71	NA	1.20		
21st Ave	Franklin Rd. to I-84 EB Ramps	0.167	0.000	66.43	17.18	NA	3.87		
Airport Rd	Garrity Blvd. to Happy Valley Rd.	1.032	138.530	111.86	106.15	1.24	1.05	1.24	1.05
Amity Rd.	SH-45 to Holly St.	0.658	78.820	58.63	67.68	1.34	0.87	1.23	1.03
Amity Rd.	Holly St. to S. Powerline Rd.	0.348	89.610	74.52	69.49	1.20	1.07		
Amity Rd.	S. Powerline Rd. to South Side Blvd.	1.015	135.720	103.78	104.4	1.31	0.99		
Amity Rd.	South Side Blvd. to Happy Valley Rd.	1.000	128.160	118.13	102.86	1.08	1.15		
Can-Ada Rd.	I-84 WB Ramps to Franklin Rd./Can-Ada Rd.	0.345	50.670	35.43	35.49	1.43	1.00	1.21	1.07
Can-Ada Rd.	Franklin Rd. to Cherry Ln.	1.103	123.620	107.56	113.45	1.15	0.95		
Can-Ada Rd.	Cherry Ln. to Ustick Rd.	0.999	100.420	85.53	71.93	1.17	1.19		
Can-Ada Rd.	Ustick Rd. to McMillan Rd.	1.003	85.800	77.92	72.22	1.10	1.08		
Can-Ada Rd.	McMillan Rd. to US-20/26	1.010	107.850	79.19	72.72	1.36	1.09		
Cherry Ln.	Middleton Rd. to Midland Blvd.	1.150	114.290	109.41	92	1.04	1.19	1.07	1.10
Cherry Ln.	Midland Blvd. to Northside Blvd.	1.020	107.850	101.08	81.6	1.07	1.24		
Cherry Ln.	Northside Blvd. to Franklin Rd.	1.030	98.090	91.81	82.4	1.07	1.11		
Cherry Ln.	Franklin Rd. to 11th Ave. N.	1.030	88.830	84.71	82.4	1.05	1.03		
Cherry Ln.	11th Ave. N. to Can-Ada Rd.	1.030	98.841	85.82	82.4	1.15	1.04		
Cherry Ln.	Can-Ada Rd. to Star Rd.	1.000	97.520	88.33	80	1.10	1.10		



**Ascending (East or Northbound) Travel Time Data for Canyon County, 2008**

Name	Description	Distance	Congested Time	Ideal Time	Theoretic Time	SI	SI Prime	SI Weighted Average	SI Prime Weighted Average
Cherry Ln.	Star Rd. to McDermott Rd.	0.906	86.890	84.22	72.48	1.03	1.16		
Cherry Ln.	McDermott Rd. to Black Cat Rd.	1.145	100.390	94.76	103.05	1.06	0.92		
Franklin Blvd	11th Ave. N to I-84 WB Ramps	0.940	118.130	94.91	85.26	1.24	1.11	1.24	1.11
Greenhurst Rd	Middleton Rd. to Midland Rd.	1.000	105.720	91.08	80	1.16	1.14	1.15	1.12
Greenhurst Rd	Midland Rd. to 12th Ave. Rd.	1.003	143.400	116.39	103.17	1.23	1.13		
Greenhurst Rd	12th Ave. Rd. to Sunnyridge Rd.	0.503	60.900	53.98	51.74	1.13	1.04		
Greenhurst Rd	Sunnyridge Rd. to S. Powerline Rd.	0.494	71.230	59.25	50.81	1.20	1.17		
Greenhurst Rd	S. Powerline Rd. to Southside Blvd.	1.013	128.310	115.74	104.19	1.11	1.11		
Greenhurst Rd	Southside Blvd. to Happy Valley Rd.	1.000	146.950	129.65	102.86	1.13	1.26		
Greenhurst Rd	Happy Valley Rd. to Robinson Rd.	1.140	135.550	111.54	102.6	1.22	1.09		
Greenhurst Rd	Robinson Rd. to McDermott Rd.	1.220	105.480	101.96	97.6	1.03	1.04		
I-84	Franklin Blvd. to Garrity IC	1.960	205.460	108.55	108.55	1.89	1.00	1.46	1.00
I-84	Garrity IC to Ten Mile Rd.	4.055	331.560	265.42	265.42	1.25	1.00		
I-84	Hwy 44 to US 20/26	1.155	62.210	63.97	63.97	0.97	1.00	1.10	1.00
I-84	US 20/26 to IB-84	0.729	42.690	40.38	40.38	1.06	1.00		
I-84	IB-84 to 10th St.	0.897	51.980	49.68	49.68	1.05	1.00		
I-84	10th St. to US-20/26	1.030	69.680	57.05	57.05	1.22	1.00		
I-84	US-20/26 to Nampa Blvd.	6.314	372.400	349.7	349.7	1.06	1.00		
I-84	Nampa Blvd. to Franklin Blvd.	1.021	82.910	56.55	56.55	1.47	1.00		
IB-84	11th/3rd to Garrity/Franklin	0.855	131.620	87.99	87.94	1.50	1.00	1.44	1.13
IB-84	Garrity/Franklin to 16th	0.326	52.300	37.24	33.53	1.40	1.11		
IB-84	16th to Flamingo	1.661	239.030	175.83	149.36	1.36	1.18		
IB-84	Flamingo to I-84 WB Ramps	0.290	54.920	30.11	23.2	1.82	1.30		

**Ascending (East or Northbound) Travel Time Data for Canyon County, 2008**

Name	Description	Distance	Congested Time	Ideal Time	Theoretic Time	SI	SI Prime	SI Weighted Average	SI Prime Weighted Average
IB-84	Homedale Rd. to Middleton Rd.	0.731	105.960	65.9	63.03	1.61	1.05	1.51	1.10
IB-84	Middleton Rd. to Karcher Rd.	0.744	141.940	78.65	76.53	1.80	1.03		
IB-84	Karcher Rd. to Midland	0.644	149.240	78.94	66.24	1.89	1.19		
IB-84	Midland to Canyon St.	1.046	156.620	107.85	107.59	1.45	1.00		
IB-84	Canyon St. to Yale/Hwy 55	0.302	52.860	38.53	31.06	1.37	1.24		
IB-84	Yale/Hwy 55 to 7th Ave.	0.451	48.610	50.32	46.39	0.97	1.08		
IB-84	7th Ave. to 11th/3rd	0.279	41.720	48.63	34.25	0.86	1.42		
IB-84	Cleveland/Centennial Way to Kimball	0.504	108.530	79.2	72.58	1.37	1.09		
IB-84	Kimball to 10th	0.141	55.440	22.46	20.3	2.47	1.11		
IB-84	10th to 18th	0.614	71.460	74.86	66.12	0.95	1.13		
IB-84	18th to 21st	0.218	35.570	24.21	22.42	1.47	1.08		
IB-84	21st to Linden	0.678	120.500	63.02	69.73	1.91	0.90		
IB-84	Linden to Ustick	1.442	187.970	121.98	118.56	1.54	1.03		
IB-84	Ustick to Homedale Rd.	1.466	150.000	114.78	117.28	1.31	0.98		
Middleton Rd	Center I-84 Overpass to Ustick Rd.	0.827	93.960	72.67	65.93	1.29	1.10		
Middleton Rd	Ustick Rd. to Linden Rd.	1.040	82.790	83.09	73.87	1.00	1.12		
Middleton Rd	Linden Rd. to US-20/26	1.020	115.830	77.45	73.44	1.50	1.05		
Middleton Rd	US-20/26 to Lincoln St. W.	1.030	81.270	75.27	74.16	1.08	1.01		
Middleton Rd	Lincoln St. W. to Center Boise Rv. Br.	1.370	109.840	101.66	99.87	1.08	1.02		
Middleton Rd	Center Boise Rv. Br. to Jct SH-44	0.740	111.820	99.92	87.22	1.12	1.15		
SH-19/IB-84	Simplot Exit #3 to Farmway	1.011	68.350	65.39	66.18	1.05	0.99		
SH-19/IB-84	Farmway to Blaine/Simplot Blvd.	0.859	105.950	69.13	49.4	1.53	1.40		
SH-19/IB-84	Blaine to Chicago	0.278	43.050	46.88	44.02	0.92	1.06		
SH-19/IB-84	Chicago to I-84 WB Ramps	0.520	46.440	48.54	44.75	0.96	1.08		
SH-44	I-84 EB ramps to Old Hwy 30	0.252	26.750	25.74	25.92	1.04	0.99	1.09	1.01

**Ascending (East or Northbound) Travel Time Data for Canyon County, 2008**

Name	Description	Distance	Congested Time	Ideal Time	Theoretic Time	SI	SI Prime	SI Weighted Average	SI Prime Weighted Average
SH-44	Old Hwy 30 to Emmett Rd.	2.142	154.790	142.97	142	1.08	1.01		
SH-44	Emmett Rd. to Cemetery Rd.	1.017	86.910	76.78	74.27	1.13	1.03		
SH-44	Cemetery Rd. to Middleton Rd.	0.750	129.160	100.13	95.16	1.29	1.05		
SH-44	Middleton Rd. to Marjorie Ave.	0.532	47.460	45.77	45.51	1.04	1.01		
SH-44	Marjorie Ave. to Duff Lane	0.766	55.440	52.37	52.42	1.06	1.00		
SH-44	Duff Lane to Lansing Lane	1.010	69.030	66.34	66.11	1.04	1.00		
SH-44	Lansing Lane to Kingsbury Rd.	1.032	69.060	68.72	67.55	1.00	1.02		
SH-45	Ruth Ln. to Greenhurst	1.545	183.520	139.55	133.75	1.32	1.04	1.21	1.12
SH-45	Greenhurst to Iowa	0.443	60.960	55.22	45.57	1.10	1.21		
SH-45	Iowa to Lake Lowell Ave.	0.557	66.940	57.9	57.29	1.16	1.01		
SH-45	Lake Lowell Ave. to 7th	1.030	133.150	113.51	105.94	1.17	1.07		
SH-45	7th to 12th Ave/3rd St.	0.290	64.040	54.66	32.79	1.17	1.67		
SH-45	12th Ave/3rd St. to 2nd/11th	0.146	27.930	28.64	21.02	0.98	1.36		
SH-55	3rd St. S to 1st St. N	0.381	50.700	40.81	39.19	1.24	1.04	NA	1.10
SH-55	1st St. N to 6th St. N	0.531	63.320	45.42	42.96	1.39	1.06		
SH-55	6th St. N to I-84 WB Ramps	0.248	48.730	25.66	19.84	1.90	1.29		
SH-55/Northside Blvd.	I-84 WB ramps to Karcher Rd.	0.000		22.38		NA			
SH-55/Northside Blvd.	Karcher Rd. to Cherry Ln.	0.000		95.32		NA			
SH-55/Northside Blvd.	Cherry Ln. to Ustick Rd.	0.000		89.21		NA			
SH-55/Northside Blvd.	Ustick Rd. to Linden Rd.	0.000		80.45		NA			
SH-55/Northside Blvd.	Linden Rd. to US-20/26	0.000		78.78		NA			
US-20/26	I-84 EB off ramp to I-84 WB ramps	0.178	110.010	40.83	18.31	2.69	2.23	1.37	1.03
US-20/26	I-84 WB ramps to Muller Rd.	0.201	29.890	20.52	20.67	1.46	0.99		
US-20/26	Muller Rd. to KCID Rd.	1.079	84.820	78.33	77.87	1.08	1.01		
US-20/26	KCID Rd. to Middleton Rd.	0.991	172.550	63.88	64.87	2.70	0.98		
US-20/26	Middleton Rd. to Midland Blvd.	1.002	74.600	65.82	65.59	1.13	1.00		
US-20/26	Midland Blvd. to Northside Blvd.	0.996	67.440	65.39	65.19	1.03	1.00		

**Ascending (East or Northbound) Travel Time Data for Canyon County, 2008**

Name	Description	Distance	Congested Time	Ideal Time	Theoretic Time	SI	SI Prime	SI Weighted Average	SI Prime Weighted Average
US-20/26	Northside Blvd. to Franklin Rd.	1.006	69.260	66.2	65.85	1.05	1.01		
US-20/26	Franklin Rd. to 11th Ave. N Ext.	1.017	69.170	66.45	66.57	1.04	1.00		
Ustick Rd	Wagner Rd to Farmway Rd	0.950	86.080	0	68.4	No Ideal Time	0.00	NA	0.93
Ustick Rd	Farmway Rd to Kimball	0.705	80.970	80.29	72.51	1.01	1.11		
Ustick Rd	Kimball to 10th Ave.	0.251	41.640	32.15	25.82	1.30	1.25		
Ustick Rd	10th Ave. to Indiana Ave	1.003	122.880	111.25	103.17	1.10	1.08		
Ustick Rd	Indiana Ave to Lake Ave	1.008	131.250	111.83	103.68	1.17	1.08		
Ustick Rd	Lake Ave to Caldwell Blvd	0.400	75.590	49.58	41.14	1.52	1.21		
Ustick Rd	Caldwell Blvd to RR Crossing	0.345	38.070	38.84	35.49	0.98	1.09		
Ustick Rd	RR Crossing to Middleton Rd	1.278	129.990	118.5	106.92	1.10	1.11		
Ustick Rd.	Middleton Rd. to Midland Blvd.	1.000	100.510	76.94	72	1.31	1.07	1.16	1.12
Ustick Rd.	Midland Blvd. to Northside Blvd.	1.000	113.000	87.21	72	1.30	1.21		
Ustick Rd.	Northside Blvd. to Franklin Blvd.	1.000	96.020	85.43	72	1.12	1.19		
Ustick Rd.	Franklin Blvd. to 11th Ave. N.	1.040	83.540	77.34	74.88	1.08	1.03		
Ustick Rd.	11th Ave. N. to Can-Ada Rd.	1.000	87.047	78.19	72	1.11	1.09		
Ustick Rd.	Can-Ada Rd. to Star Rd.	0.990	95.410	82.86	71.28	1.15	1.16		
Ustick Rd.	Star Rd. to McDermott Rd.	1.000	81.450	78.56	72	1.04	1.09		

**Table A- 4 Descending Data - Canyon County**

<b>Descending (West or Southbound) Travel Time Data for Canyon County, 2008</b>									
Name	Description	Distance	Congested Time	Ideal Time	Theoretic Time	SI	SI Prime	SI Weighted Average	SI Prime Weighted Average
10th Ave	Cleveland Blvd. to Chicago St.	0.424	71.810	74.86	43.61	0.96	1.72	1.03	1.42
10th Ave	Chicago St. to I-84 WB Ramps	0.469	60.110	55.25	48.24	1.09	1.15		
21st Ave.	I-84 EB Ramps to Franklin Rd.	0.000		25.63	17.18	NA	1.49	NA	#DIV/0!
21st Ave.	Franklin Rd. to Chicago St.	0.000		35.84	32.71	NA	1.10		
21st Ave.	Chicago St. to Cleveland Blvd.	0.000		78.29	51.24	NA	1.53		
Airport Rd	Happy Valley Rd. to Garrity Blvd.	1.032	120.480	111.51	106.15	1.08	1.05	1.08	1.05
Amity Rd.	Happy Valley Rd. to South Side Blvd.	1.000	132.094	117.09	102.8571	1.13	1.14	1.41	1.07
Amity Rd.	South Side Blvd. to S. Powerline Rd.	1.015	181.170	104.88	104.4	1.73	1.00		
Amity Rd.	S. Powerline Rd. to Holly St.	0.348	88.520	74.7	69.49	1.19	1.07		
Amity Rd.	Holly St. to SH-45	0.658	104.530	71.14	67.68	1.47	1.05		
Can-Ada Rd.	US-20/26 to McMillan Rd.	1.010	80.680	77.58	72.72	1.04	1.07	1.26	1.07
Can-Ada Rd.	McMillan Rd. to Ustick Rd.	1.003	87.950	79.51	72.22	1.11	1.10		
Can-Ada Rd.	Ustick Rd. to Cherry Ln.	0.999	113.620	84.38	71.93	1.35	1.17		
Can-Ada Rd.	Cherry Ln. to Franklin Rd.	1.103	132.030	107.52	113.45	1.23	0.95		
Can-Ada Rd.	Franklin Rd./CanAda Rd. to I-84 WB Ramps	0.345	84.730	38.69	35.49	2.19	1.09		
Cherry Ln.	Black Cat Rd. to McDermott Rd.	1.145	94.547	93.39	103.05	1.01	0.91	1.12	1.09
Cherry Ln.	McDermott Rd. to Star Rd.	0.906	99.930	85.4	72.48	1.17	1.18		
Cherry Ln.	Star Rd. to CanAda Rd.	1.000	91.740	88.15	80	1.04	1.10		
Cherry Ln.	Can-Ada Rd. to 11th Ave. N.	1.030	109.880	85.09	82.4	1.29	1.03		
Cherry Ln.	11th Ave. N. to Franklin Rd.	1.030	101.863	87.15	82.4	1.17	1.06		
Cherry Ln.	Franklin Rd. to Northside Blvd.	1.030	101.910	90.63	82.4	1.12	1.10		
Cherry Ln.	Northside Blvd. to Midland Blvd.	1.020	111.020	99.47	81.6	1.12	1.22		

**Descending (West or Southbound) Travel Time Data for Canyon County, 2008**

Name	Description	Distance	Congested Time	Ideal Time	Theoretic Time	SI	SI Prime	SI Weighted Average	SI Prime Weighted Average
Cherry Ln.	Midland Blvd. to Middleton Rd.	1.150	110.810	106.17	92	1.04	1.15		
Franklin Blvd	I-84 WB Ramps to 11th Ave. N	0.940	142.790	97.19	85.26	1.47	1.14	1.47	1.14
Greenhurst Rd.	McDermott Rd. to Robinson Rd.	1.220	115.410	102.96	97.6	1.12	1.05	1.13	1.14
Greenhurst Rd.	Robinson Rd. to Happy Valley Rd.	1.140	107.550	108.54	102.6	0.99	1.06		
Greenhurst Rd.	Happy Valley Rd. to Southside Blvd.	1.000	141.309	116.44	102.8571	1.21	1.13		
Greenhurst Rd.	Southside Blvd. to S.Powerline Rd.	1.013	123.370	116.28	104.19	1.06	1.12		
Greenhurst Rd.	S. Powerline Rd. to Sunnyridge Rd.	0.494	67.250	58.5	50.81	1.15	1.15		
Greenhurst Rd.	Sunnyridge Rd. to 12th Ave. Rd.	0.503	128.450	81.66	51.74	1.57	1.58		
Greenhurst Rd.	12th Ave. Rd. to Midland Rd.	1.003	128.744	115.66	103.1657	1.11	1.12		
Greenhurst Rd.	Midland Rd. to Middleton Rd.	1.000	95.750	92.4	80	1.04	1.16		
I-84	Ten Mile Rd. to Garrity IC	4.055	334.680	265.42	265.42	1.26	1.00	1.22	1.00
I-84	Garrity IC to Franklin Blvd.	1.960	121.610	108.55	108.55	1.12	1.00		
I-84	Franklin Blvd. to Nampa Blvd.	1.021	59.410	56.55	56.55	1.05	1.00	1.07	1.00
I-84	Nampa Blvd. to US-20/26	6.314	375.250	349.7	349.7	1.07	1.00		
I-84	US-20/26 to 10th St.	1.030	69.300	57.05	57.05	1.21	1.00		
I-84	10th St. to IB-84	0.897	51.040	49.68	49.68	1.03	1.00		
I-84	IB-84 to US 20/26	0.729	44.460	40.38	40.38	1.10	1.00		
I-84	US 20/26 to Hwy 44	1.155	64.320	63.97	63.97	1.01	1.00		
IB-84	I-84 WB Ramps to Flamingo	0.290	79.080	31.48	23.2	2.51	1.36	1.62	1.25
IB-84	Flamingo to 16th	1.661	166.580	173.72	149.36	0.96	1.16		
IB-84	16th to Garrity/Franklin	0.326	209.830	53.1	33.53	3.95	1.58		
IB-84	Garrity/Franklin to 11th/3rd	0.855	187.730	109.32	87.94	1.72	1.24		

**Descending (West or Southbound) Travel Time Data for Canyon County, 2008**

Name	Description	Distance	Congested Time	Ideal Time	Theoretic Time	SI	SI Prime	SI Weighted Average	SI Prime Weighted Average
IB-84	11th/2nd to 7th Ave.	0.294	32.980	45.56	34.14	0.72	1.33	1.56	1.09
IB-84	7th Ave. to Hwy 55	0.472	60.790	63.7	48.55	0.95	1.31		
IB-84	Hwy 55 to Canyon St.	0.264	74.850	35.41	27.15	2.11	1.30		
IB-84	Canyon St. to Midland	1.046	152.620	115.38	107.59	1.32	1.07		
IB-84	Midland to Karcher Rd.	0.644	148.830	66.82	66.24	2.23	1.01		
IB-84	Karcher Rd. to Middleton Rd.	0.744	174.320	76.76	76.53	2.27	1.00		
IB-84	Middleton Rd. to Homedale Rd.	0.731	66.460	60.04	63.03	1.11	0.95		
IB-84	Homedale Rd. to Ustick	1.466	175.270	115.69	117.28	1.51	0.99	1.30	1.03
IB-84	Ustick to Linden	1.442	152.970	120.53	118.56	1.27	1.02		
IB-84	Linden to 21st	0.709	96.830	76.65	71.38	1.26	1.07		
IB-84	21st to 18th	0.221	26.780	24.04	22.73	1.11	1.06		
IB-84	18th to 10th	0.580	87.090	73.33	64.41	1.19	1.14		
IB-84	10th to Kimball	0.143	21.730	22.82	20.38	0.95	1.12		
IB-84	Kimball to Blaine/Simplot Blvd.	0.482	84.590	75.13	76.15	1.13	0.99		
Middleton Rd	Jct SH-44 to Center Boise Rv. Br.	0.740	104.370	96.06	98.33	1.09	0.98	1.08	1.06
Middleton Rd	Center Boise Rv. Br. to Lincoln St. W.	1.370	109.100	118.93	99.87	0.92	1.19		
Middleton Rd	Lincoln St. W. to US-20/26	1.030	98.280	69.34	74.16	1.42	0.94		
Middleton Rd	US-20/26 to Linden Rd.	1.020	78.840	76.47	74.45	1.03	1.03		
Middleton Rd	Linden Rd. to Ustick Rd.	1.040	82.940	79	73.87	1.05	1.07		
Middleton Rd	Ustick Rd. to Center I-84 Overpass	0.827	71.000	70.69	65.93	1.00	1.07		
SH-19/IB-84	I-84 WB Ramps to Chicago	0.520	50.550	42.79	44.75	1.18	0.96		
SH-19/IB-84	Chicago to Blaine	0.278	41.910	47.45	44.02	0.88	1.08		
SH-19/IB-84	Blaine/Simplot Blvd. to Farmway	0.859	75.580	70.48	49.4	1.07	1.43		
SH-19/IB-84	Farmway to Simplot Exit #3	1.011	69.210	66.63	66.18	1.04	1.01		
SH-44	Kingsbury Rd. to Lansing Lane	1.032	69.960	68.25	67.55	1.03	1.01	1.07	1.02

**Descending (West or Southbound) Travel Time Data for Canyon County, 2008**

Name	Description	Distance	Congested Time	Ideal Time	Theoretic Time	SI	SI Prime	SI Weighted Average	SI Prime Weighted Average
SH-44	Lansing Lane to Duff Lane	1.010	67.500	66.55	66.11	1.01	1.01		
SH-44	Duff Lane to Marjorie Ave.	0.766	54.300	54.18	52.42	1.00	1.03		
SH-44	Marjorie Ave. to Middleton Rd.	0.532	47.310	49.33	45.51	0.96	1.08		
SH-44	Middleton Rd. to Cemetery Rd.	0.750	122.690	99.65	95.16	1.23	1.05		
SH-44	Cemetery Rd. to Emmett Rd.	1.017	94.460	76.91	74.27	1.23	1.04		
SH-44	Emmett Rd. to Old Hwy 30	2.142	145.980	140.55	142	1.04	0.99		
SH-44	Old Hwy 30 to I-84 EB ramps	0.252	30.010	25.7	25.92	1.17	0.99		
SH-45	11th Ave./3rd St. to 12th Ave./3rd St.	0.070	12.490	11.57	5.6	1.08	2.07	1.38	1.05
SH-45	12th Ave/3rd St. to 7th	0.290	68.240	36.26	32.79	1.88	1.11		
SH-45	7th to Lake Lowell Ave.	1.030	151.510	111.09	105.94	1.36	1.05		
SH-45	Lake Lowell Ave. to Iowa	0.557	103.180	57.9	57.29	1.78	1.01		
SH-45	Iowa to Greenhurst	0.443	90.150	51.2	45.57	1.76	1.12		
SH-45	Greenhurst to Ruth Ln.	1.545	140.500	133.58	133.75	1.05	1.00		
SH-55/Northside Blvd.	US-20/26 to Linden Rd.	0.000		77.14		NA		NA	1.15
SH-55/Northside Blvd.	Linden Rd. to Ustick Rd.	0.000		81.76		NA			
SH-55/Northside Blvd.	Ustick Rd. to Cherry Ln.	0.000		90.42		NA			
SH-55/Northside Blvd.	Cherry Ln. to Karcher Rd.	0.000		99.61		NA			
SH-55/Northside Blvd.	Karcher Rd. to I-84 WB Ramps	0.000		37.4		NA			
SH-55	I-84 WB Ramps to 6th St. N	0.248	47.830	23.8	19.84	2.01	1.20		
SH-55	6th St. N to 1st St. N	0.531	48.840	42.99	42.96	1.14	1.00		
SH-55	1st St. N to 3rd St. S	0.381	100.590	51.97	39.19	1.94	1.33		
US-20/26	11th Ave. N Ext. to Franklin Rd.	1.017	68.620	66.8	66.57	1.03	1.00		
US-20/26	Franklin Rd. to Northside Blvd.	1.006	69.580	66.07	65.85	1.05	1.00		
US-20/26	Northside Blvd. to Midland Blvd.	0.996	67.420	65.38	65.19	1.03	1.00		
US-20/26	Midland Blvd. to Middleton Rd.	1.002	128.340	65.3	65.59	1.97	1.00		



**Descending (West or Southbound) Travel Time Data for Canyon County, 2008**

Name	Description	Distance	Congested Time	Ideal Time	Theoretic Time	SI	SI Prime	SI Weighted Average	SI Prime Weighted Average
US-20/26	Middleton Rd. to KCID Rd.	0.991	77.430	65.35	64.87	1.18	1.01		
US-20/26	KCID Rd. to Muller Rd.	1.079	89.440	79.2	77.87	1.13	1.02		
US-20/26	Muller Rd. to I-84 WB ramps	0.201	64.120	32.93	20.67	1.95	1.59		
US-20/26	I-84 WB ramps to I-84 EB off ramp	0.178	92.410	42.28	18.31	2.19	2.31		
Ustick Rd	Middleton Rd to RR Crossing	1.278	115.900	109.08	106.92	1.06	1.02	NA	0.94
Ustick Rd	RR Crossing to Caldwell Blvd	0.345	98.620	42.35	35.49	2.33	1.19		
Ustick Rd	Caldwell Blvd to Lake Ave	0.400	115.590	49.96	41.14	2.31	1.21		
Ustick Rd	Lake Ave to Indiana Ave	1.008	131.660	115.83	103.68	1.14	1.12		
Ustick Rd	Indiana Ave to 10th Ave.	1.003	129.440	115.4	103.17	1.12	1.12		
Ustick Rd	10th Ave. to Kimball	0.251	46.070	29.69	25.82	1.55	1.15		
Ustick Rd	Kimball to Farmway Rd	0.705	83.240	86.13	72.51	0.97	1.19		
Ustick Rd	Farmway Rd to Wagner Rd	0.950	82.870	0	68.4	No Ideal Time	0.00		
Ustick Rd.	McDermott Rd. to Star Rd.	1.000	88.600	79.84	72	1.11	1.11	1.17	1.11
Ustick Rd.	Star Rd. to Can-Ada Rd.	0.990	95.520	82.08	71.28	1.16	1.15		
Ustick Rd.	Can-Ada Rd. to 11th Ave. N.	1.000	81.640	79.15	72	1.03	1.10		
Ustick Rd.	11th Ave. N. to Franklin Blvd.	1.040	86.521	77.01	74.88	1.12	1.03		
Ustick Rd.	Franklin Blvd. to Northside Blvd.	1.000	89.110	81.84	72	1.09	1.14		
Ustick Rd.	Northside Blvd. to Midland Blvd.	1.000	106.040	89.4	72	1.19	1.24		
Ustick Rd.	Midland Blvd. to Middleton Rd.	1.000	111.660	74.48	72	1.50	1.03		

**IX. Appendix B: Congestion Changes**

**Table B- 1: Decreases in Congestion Between 2007 and 2008**

Decreases in Congestion (Greater than 20%)										
Road Name	Location	Direction	City	2003 Category	2004 Category	2005 Category	2006 Category	2007 Category	2008 Category	Percent Change in SI (2007 to 2008)
SH-55	Fairview Ave. to Franklin Rd.	Descending	Meridian	Low	Medium	High	High	High	Medium	-70.66%
Fairview Ave	Milwaukee St. to Maple Grove Rd.	Descending	Boise	Medium	Low	Low	High	High	Low	-67.53%
Franklin Rd	Five Mile Rd. to Cloverdale Rd.	Descending	Boise	High	Low	Medium	Low	High	Medium	-64.52%
SH-44	Old Hwy 30 to I-84 EB ramps	Descending	Middleton	New in 2004	Low	Low	Low	High	Low	-59.66%
Franklin Rd	Maple Grove Rd. to Five Mile Rd.	Descending	Boise	Low	Low	Medium	Low	High	Medium	-53.08%
Meridian Rd.	Franklin Rd. to Corporate Dr.	Descending	Meridian	New in 2006			High	High	Low	-51.51%
SH-55	St. Lukes Ln. to I-84 EB Ramps	Descending	Meridian	Medium	Low	Low	Medium	High	Low	-49.91%
Vista Ave/Capitol Blvd/9th St	Front St. to Bannock St.	Ascending	Boise	Medium	Low	Medium	Low	High	Low	-49.84%
Cole Rd	Emerald St. to Fairview Ave.	Ascending	Boise	Low	Low	Low	Medium	Medium	Low	-48.98%
Fairview Ave	Mitchell St. to Five Mile Rd.	Descending	Boise	High	Low	High	High	High	Medium	-48.34%
US-20/26	Ten Mile Rd. to Linder	Ascending	Meridian	New in 2004	Medium	Medium	High	Medium	Low	-47.26%
I-84	Five Mile Rd. to Eagle Rd.	Descending	Boise	Medium	Low	Low	High	High	Low	-45.18%
Five Mile Rd	Fairview Ave. to Franklin Rd.	Descending	Boise	Medium	Low	Medium	Low	Medium	Low	-44.89%
Fairview Ave	Cole Rd. to Milwaukee St.	Descending	Boise	Low	Low	Low	Low	High	Low	-40.74%
Cole Rd	Franklin Rd. to Emerald St.	Ascending	Boise	Low	Low	High	No Data	Medium	Low	-40.56%

**Decreases in Congestion (Greater than 20%)**

Road Name	Location	Direction	City	2003 Category	2004 Category	2005 Category	2006 Category	2007 Category	2008 Category	Percent Change in SI (2007 to 2008)
SH-44	State St. to Marigold	Ascending	Garden City	Low	Medium	Medium	Medium	High	Medium	-40.46%
Vista Ave/Capitol Blvd/9th St	Wright St. to I-84 EB Ramps	Ascending	Boise	High	High	High	High	High	Medium	-39.42%
Five Mile Rd	Franklin Rd. to Fairview Ave.	Ascending	Boise	Low	Low	High	High	High	Medium	-38.33%
Fairview Ave	Eagle Rd. to Locust Grove St.	Descending	Meridian	Medium	Low	Low	Low	Medium	Low	-38.32%
Ustick Rd	Kimball to 10th Ave.	Ascending	Caldwell	No Data	High	Medium	No Data	Medium	Low	-36.82%
Franklin Rd.	Star Rd. to Can-Ada Rd.	Descending	Nampa	New in 2006			Low	Low	Low	-35.73%
State St	15th St. to 18th St.	Descending	Boise	Low	Low	Low	Low	Low	Low	-35.71%
Franklin Rd	Eagle Rd. to Cloverdale Rd.	Ascending	Meridian	Low	Low	Low	Low	High	Low	-34.98%
US-20/26	36th to Veterans Pkwy.	Descending	Garden City	Low	Low	High	Low	High	Low	-34.78%
I-84	Franklin Blvd. to Garrity IC	Ascending	Nampa	Low	High	High	High	High	High	-34.60%
US-20/26	Veterans Pkwy. to Glenwood St.	Descending	Garden City	Low	Low	Low	Low	Medium	Low	-34.33%
Cherry Ln/Fairview Ave	Main St. to Linder St.	Descending	Meridian	Medium	Medium	Medium	Medium	High	Low	-34.24%
Five Mile Rd	Overland Rd. to Franklin Rd.	Ascending	Boise	Low	Low	Low	Low	Medium	Low	-33.49%
US-20/26	Muller Rd. to I-84 WB ramps	Descending	Caldwell	New in 2004	High	High	High	High	Medium	-31.82%
Fairview Ave	Liberty St. to Cole Rd.	Descending	Boise	Low	Low	Low	High	High	High	-29.61%
Fairview Ave	Eagle Rd. to Cloverdale Rd.	Ascending	Meridian	Medium	Low	Low	Low	Low	Low	-28.90%
SH-44	Palmer Lane to Jct SH 16	Descending	Eagle	New in 2004	Low	Medium	Low	Low	Low	-28.30%

**Decreases in Congestion (Greater than 20%)**

Road Name	Location	Direction	City	2003 Category	2004 Category	2005 Category	2006 Category	2007 Category	2008 Category	Percent Change in SI (2007 to 2008)
Fairview Ave/Main St/Idaho St	13th St. to 9th St.	Ascending	Boise	High	Low	Low	Medium	Low	Low	-28.27%
SH-45	12th Ave/3rd St. to 2nd/11th	Ascending	Nampa	Low	Low	Low	Low	Low	Low	-27.41%
IB-84	7th Ave. to Hwy 55	Descending	Nampa	Low	Low	Low	Low	Low	Low	-26.92%
Cherry Ln.	McDermott Rd. to Star Rd.	Descending	Nampa	New in 2006			Low	Low	Low	-26.87%
US-20/26	Ten Mile Rd. to Black Cat Rd.	Descending	Meridian	New in 2004	Low	Low	Low	Low	Low	-26.51%
Vista Ave./Capitol Blvd/9th St	Canal St. to Targee St.	Ascending	Boise	Low	Low	Low	Low	Low	Low	-26.43%
Cherry Ln./Fairview Ave	Linder St. to Main St.	Ascending	Meridian	Low	Medium	Low	Low	Medium	Low	-26.34%
Park Blvd/Parkcenter Blvd	Park/ Parkcenter/ Clearwater to Broadway Ave.	Descending	Boise	Low	Low	Low	Low	Low	Low	-25.90%
Amity Rd.	Southside Blvd. to S. Powerline Rd.	Descending	Nampa	New in 2006			No Data	High	Low	-25.86%
SH-16	Floating Feather Rd. to SH-44	Descending	Eagle	New in 2006			Low	Low	Low	-25.46%
US-20/26	Linder to Ten Mile Rd.	Descending	Meridian	New in 2004	Low	Low	Low	Low	Low	-25.03%
SH-44	Palmer Lane to Linder	Ascending	Eagle	New in 2004	Medium	High	High	High	Medium	-24.89%
SH-55	McMillan Rd. to Chinden Blvd.	Ascending	Boise	Low	Medium	Medium	Low	High	Medium	-24.07%
Cole Rd	Northview St. to Ustick Rd.	Ascending	Boise	Low	Low	Low	Low	Low	Low	-23.65%
Ustick Rd	Indiana Ave to 10th Ave.	Descending	Caldwell	No Data	Low	Low	No Data	Low	Low	-22.76%

**Decreases in Congestion (Greater than 20%)**

Road Name	Location	Direction	City	2003 Category	2004 Category	2005 Category	2006 Category	2007 Category	2008 Category	Percent Change in SI (2007 to 2008)
10th Ave	Cleveland Blvd. to Chicago St.	Descending	Caldwell	Low	Low	Low	Low	Low	Low	-21.31%
Fairview Ave	Milwaukee St. to Cole Rd.	Ascending	Boise	Medium	Low	Low	Low	High	Medium	-21.22%
Fairview Ave/Main St/Idaho St	5th St. to 1st St.	Ascending	Boise	Low	Low	Low	Low	Low	Low	-20.90%
Amity Rd.	McDermott Rd. to Robinson Rd.	Descending	Nampa	New in 2006			Medium	Low	Low	-20.71%
Ustick Rd	RR Crossing to Caldwell Blvd	Descending	Caldwell	No Data	Low	Medium	No Data	High	Medium	-20.52%
10th Ave	Chicago St. to I-84 WB Ramps	Descending	Caldwell	High	Low	Low	Low	Low	Low	-20.44%

**Table B- 2: Increases in Congestion Between 2007 and 2008**

Increases in Congestion (Greater than 20%)										
Road Name	Location	Direction	City	2003 Category	2004 Category	2005 Category	2006 Category	2007 Category	2008 Category	Percent Change in SI (2007 to 2008)
SH-55	St. Lukes Ln. to Franklin	Ascending	Meridian	High	High	High	High	Low	High	185.57%
Vista Ave/Capitol Blvd/9th St	I-84 EB Ramps to Wright St.	Descending	Boise	High	Medium	Medium	High	Low	High	177.58%
Vista Ave/Capitol Blvd/9th St	State St. to Main St.	Descending	Boise	Low	Low	Low	Low	Low	Medium	128.48%
US-20/26	I-84 EB off ramp to I-84 WB ramps	Ascending	Caldwell	New in 2004	Low	Low	Low	Low	High	126.05%
US-20/26	Main St. to 13th.	Ascending	Boise	Low	Low	Low	Low	Low	Medium	85.81%
SH-55	I-84 WB Ramps to 6th St. N	Descending	Nampa	Medium	Low	Medium	Low	Low	Medium	70.34%
Franklin Rd.	CanAda Rd. to Star Rd.	Ascending	Nampa	New in 2006			Low	Medium	High	65.50%
Ustick Rd	10th Ave. to Kimball	Descending	Caldwell	No Data	Low	Low	No Data	Low	Low	63.16%
10th Ave	I-84 WB Ramps to Chicago St.	Ascending	Caldwell	Low	Low	Low	Low	Low	Low	56.60%
Franklin Rd	Milwaukee St. to Cole Rd.	Ascending	Boise	High	High	High	High	Low	High	54.27%
IB-84	I-84 WB Ramps to Flamingo	Descending	Nampa	High	Medium	Medium	No Data	Low	High	54.11%
I-84	Broadway Ave. to Vista Ave.	Descending	Boise	Low	Low	High	Low	Medium	High	52.00%
Orchard St	I-184 EB Ramp to Bond St.	Ascending	Boise	Low	High	Low	Low	Low	Low	51.81%
SH-55	I-84 EB Ramps to St. Lukes Ln.	Ascending	Meridian	Low	Low	High	Medium	Medium	High	51.38%
Park Blvd/Parkcenter Blvd	Beacon St. to Park/Parkcenter/Clearwater	Descending	Boise	Medium	Low	Low	Low	Low	Medium	50.92%
Fairview Ave	Five Mile Rd. to Cloverdale Rd.	Descending	Boise	Low	Low	Low	Low	Low	Low	46.02%

**Increases in Congestion (Greater than 20%)**

Road Name	Location	Direction	City	2003 Category	2004 Category	2005 Category	2006 Category	2007 Category	2008 Category	Percent Change in SI (2007 to 2008)
IB-84	Karcher Rd. to Middleton Rd.	Descending	Nampa	Low	Low	Low	Low	Low	Medium	45.58%
SH-45	Lake Lowell Ave. to Iowa	Descending	Nampa	Low	Low	Low	Low	Low	Medium	44.88%
Meridian Rd.	Pine Ave. to Franklin Rd.	Descending	Meridian	New in 2006			High	Low	High	43.66%
Orchard St	I-184 EB Ramp to Emerald St	Descending	Boise	Low	Low	Low	High	Low	Medium	43.36%
US-20/26	KCID Rd. to Middleton Rd.	Ascending	Caldwell	New in 2004	Low	Low	Low	Medium	High	42.17%
SH-45	Iowa to Greenhurst	Descending	Nampa	Medium	Medium	Medium	Medium	Low	Medium	40.80%
Vista Ave/Capitol Blvd/9th St	University Dr. to Myrtle St.	Ascending	Boise	Low	Low	Low	Low	Low	Low	37.69%
Orchard St	Franklin Rd. to Overland Rd.	Descending	Boise	Medium	Low	Low	High	Low	Low	37.50%
Americana Blvd./15th St./16th St.	State St. to Main St.	Descending	Boise	Low	Low	Low	Low	Low	Low	37.45%
Cole Rd.	S. Costco/Century Way to Victory Rd.	Descending	Boise	New in 2006			No Data	Medium	High	37.27%
Can-Ada Rd.	I-84 WB Ramps to Franklin Rd.	Ascending	Nampa	New in 2006			Low	Low	Low	36.20%
SH-55	1st St. N to 3rd St. S	Descending	Nampa	High	Low	Low	Low	Low	Medium	33.79%
Franklin Rd	Main St. to Nola Rd.	Ascending	Meridian	Low	Low	Low	Low	Low	Low	31.90%
Orchard St	Emerald St to Franklin Rd.	Descending	Boise	Low	Low	Low	Low	Low	Low	31.53%
US-20/26	Midland Blvd. to Middleton Rd.	Descending	Caldwell	New in 2004	Low	Low	Low	Low	Medium	31.33%
State St	18th St. to 15th St.	Ascending	Boise	Medium	Low	Low	Low	Low	Medium	31.06%
Overland Rd	Owyhee St. to Vista Ave.	Ascending	Boise	High	Low	Low	Low	Low	Medium	30.97%



**Increases in Congestion (Greater than 20%)**

Road Name	Location	Direction	City	2003 Category	2004 Category	2005 Category	2006 Category	2007 Category	2008 Category	Percent Change in SI (2007 to 2008)
Fairview Ave	Locust Grove St. to Eagle Rd.	Ascending	Meridian	Low	Low	Low	Low	Low	Medium	29.72%
SH-69	Hubbard Rd. to Deer Flat Rd.	Descending	Kuna	New in 2004	Low	Low	Low	Low	Low	28.57%
Park Blvd/ Parkcenter Blvd	Beacon St. to Mallard Dr.	Ascending	Boise	Low	Low	Low	Low	Low	Low	28.45%
US-20/26	Capitol Blvd. to 9th	Descending	Boise	Low	Low	Low	Low	Low	Medium	27.91%
SH-44	Taurus Way to Star Rd.	Descending	Star	New in 2004	Low	Medium	Low	Low	Low	26.24%
Cole Rd.	Victory Rd. to Amity Rd.	Descending	Boise	New in 2006			No Data	Low	Low	26.22%
SH-55	6th St. N to I-84 WB Ramps	Ascending	Nampa	High	Medium	High	High	Low	Medium	25.00%
IB-84	Kimball to 10th	Ascending	Caldwell	Low	High	High	Low	Low	Medium	24.67%
Cherry Ln.	Can-Ada Rd. to 11th Ave. N.	Descending	Nampa	New in 2006			Low	Low	Low	24.17%
Overland Rd.	Cole Rd. to Entertainment Ave.	Descending	Boise	New in 2006			Low	High	High	24.05%
Greenhurst Rd.	Sunnyridge Rd. to 12th Ave. Rd.	Descending	Nampa	New in 2006			No Data	Low	Low	23.86%
Vista Ave/ Capitol Blvd/9th St	Canal St. to I-84 EB Ramps	Descending	Boise	Medium	Medium	Low	Low	Low	Low	23.73%
Park Blvd/ Parkcenter Blvd	Mallard Dr. to Beacon St.	Descending	Boise	Low	Low	Low	Low	Low	Low	23.48%
Can-Ada Rd.	Franklin Rd. to I-84 WB Ramps	Descending	Nampa	New in 2006			Low	Medium	Medium	23.03%
Cherry Ln/ Fairview Ave	Main St. to Locust Grove St.	Ascending	Meridian	Low	Low	Low	Medium	Low	Low	22.93%
Fairview Ave	Cloverdale Rd. to Five Mile Rd.	Ascending	Boise	Low	Low	Medium	Low	Low	Low	22.88%

**Increases in Congestion (Greater than 20%)**

Road Name	Location	Direction	City	2003 Category	2004 Category	2005 Category	2006 Category	2007 Category	2008 Category	Percent Change in SI (2007 to 2008)
SH-21	Technology Way to Federal Way	Descending	Boise	New in 2006			Medium	Medium	High	22.41%
SH-45	Iowa to Lake Lowell Ave.	Ascending	Nampa	Low	Low	Low	Low	Low	Low	22.11%
Ustick Rd.	Star Rd. to McDermott Rd.	Ascending	Nampa	New in 2006			Low	Low	Low	21.97%
Vista Ave/Capitol Blvd/9th St	Main St. to Myrtle St.	Descending	Boise	High	High	High	High	High	High	21.86%
IB-84	Middleton Rd. to Karcher Rd.	Ascending	Nampa	Low	Low	Low	Medium	Low	Medium	21.62%
SH-16	Beacon Light Rd. to Floating Feather Rd.	Descending	Eagle	New in 2006			Low	Low	Low	20.56%
IB-84	Flamingo to I-84 WB Ramps	Ascending	Nampa	High	Low	Low	No Data	Low	Medium	20.53%