## Treasure Valley Congestion Management System Annual Report: 2004



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## Summary

This document fulfills an annual reporting commitment of the Treasure Valley Congestion Management System (CMS). The document also 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 2004 were collected on interstate and principal arterial roadways. These data were converted to travel time indices (Sanderson Index, or SI), which were used to classify the level of congestion encountered. Changes in congestion classification from base year data (2003 data) were noted and possible reasons for the changes collected. Due to a lack of historical travel time data, an evaluation of congestion mitigation measures (or CMS "Toolbox") is not reasonable at this time. Modeled travel time analyses, however, conducted for Northern Ada County's long-range transportation plan, indicate that as the valley continues to grow, travel times (and congestion) are likely to increase, despite planned roadway projects.

## Background

A Congestion Management System (CMS) is a process for collecting data and identifying congested transportation facilities with the intent of identifying and implementing appropriate mitigation measures. A CMS will not eliminate congestion, but will instead slow 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 results of the 2000 Census indicated that the population of the urbanized area in Northern Ada County was 272,625. Therefore, on July 8, 2002 the Federal Highway Administration officially designated the Boise Urbanized Area as a TMA.

A document outlining the elements of the Treasure Valley CMS, The Treasure Valley Congestion Management System Plan, will be given to the COMPASS Board for adoption in early 2005. The CMS 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 of the system's design, refer to The Treasure Valley Congestion Management System Plan.

## Introduction

In the spring of 2004, travel time data were collected on highways and principal arterials within both the Nampa and Boise urbanized areas by the Idaho Transportation Department (ITD) and COMPASS. Data collection occurs annually as part of the Treasure Valley CMS. Travel time data are collected to quantify and identify trends in roadway congestion. The annual data collection process is summarized in an annual report to help transportation and land use entities identify (and implement) congestion management strategies and projects to improve travel time, particularly in locations defined by the CMS as highly congested.

This document serves to fulfill the annual reporting commitment of the Treasure Valley CMS. It is also acts as an evaluation tool to measure "how we are doing" in way of managing congestion and provide congestion data to entities that design and develop specific roadway projects and congestion mitigation measures.

## Travel Time Data Collection

The Idaho Transportation Department (ITD) and COMPASS staff drive Treasure Valley interstates and principal arterials during peak (6:30 to 8:30 a.m. and 4:00 to 6:30 p.m.) and free flow, or ideal, (2:00 a.m. to 5:00 a.m.) periods. Travel times for a given section of roadway is recorded into a computer for processing. The ratio of peak travel time to free flow travel time produces an index used to identify congestion. This ratio is referred to as the Sanderson Index (or SI). An SI of 2.0, for example, means that it takes twice as long to travel the route during the peak (or congested) period than during free flow (or ideal) conditions. Analysis of this travel time data yields information about trends in roadway congestion on specific travel routes within cities, districts, or specific locations (e.g. near intersections).

Notes are made regarding transportation projects or delays encountered during data collection efforts impacting travel time. Travel time data collection for a given facility is postponed if spontaneous delays, such as those caused by vehicle accidents, are encountered. In extreme cases, data on some facilities are not collected due to road construction occurring throughout a given data collection campaign.

Based on SI and 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 (the regional central business district) only.

Table 1: Treasure Valley Definitions of Congestion

| Congestion Thresholds (Based on SI* Values) |  |  |  |
| :--- | :---: | :---: | :---: |
| Roadway Class | Low | Medium | High |
| Freeway | $<1.25$ | $1.25-1.50$ | $>1.50$ |
| Suburban | $<1.75$ | $1.75-2.25$ | $>2.25$ |
| Urban | $<2.00$ | $2.00-2.50$ | $>2.50$ |

*Sanderson Index (SI) is a ratio of peak travel time to ideal travel time.
Figures 1 and 2 display the results of the 2004 travel time data collection effort by identifying 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 segment distance and reported. This reporting method removes congestion "hot spots" along a corridor, giving a feel for how the corridor is functioning as a whole. Figures 3 and 4 display identified congestion as defined by the Treasure Valley CMS based on weighted (corridor level) travel time data. Travel time data and corresponding SIs used to produce Figures 1-4 are contained in the attached appendix.

## Congested Facilities - 2004:

The 2004 travel time data collection campaign began the last week on March and ended the first week of June, 2004. Based on this data, Table 2 lists the principal arterial and interstate roadway segments identified in the "high" range as per the Treasure Valley CMS. Ascending data refers to northbound or eastbound travel, while descending data references southbound or westbound travel.

Table 2:Treasure Valley Facilities Identified as Congestion Level "High" in 2004

| "High" Congestion Roadways |  |  |  |  |
| :--- | :--- | :--- | :--- | ---: |
| Road Name* | Location | Direction | City | SI* $^{* *} 2004$ |
| Main St. | st St. to Broadway/Ave B | Eastbound | Boise | 3.41 |
| Franklin Rd. | Milwaukee St. to Cole Rd. | Eastbound | Boise | 2.73 |
| Franklin Rd. | Nola Rd. to Eagle Rd. | Eastbound | Meridian | 3.45 |
| I-84 | Eagle Rd. to Five Mile Rd. | Eastbound | Regional | 2.16 |
| I-84 | Franklin Blvd. to Garrity IC | Eastbound | Regional | 1.56 |
| IB-84 | Kimball Ave. to 10 $0^{\text {th }}$ Ave. | Northbound | Caldwell | 2.98 |
| Orchard St. | I-184 EB Ramp to Bond St. | Northbound | Boise | 2.37 |
| Orchard St. | Bond St. to I-184 EB Ramp | Southbound | Boise | 2.50 |
| SH-44 (State St.) | Horseshoe Bend Rd. to Hwy 55 | Westbound | Boise/Eagle | 2.37 |
| SH-55 (Eagle Rd.) | St. Lukes Ln. to Franklin Rd. | Northbound | Meridian | 2.62 |
| SH-69 (Meridian Rd.) | Victory Rd. to Overland Rd. | Northbound | Meridian/Kuna | 2.79 |
| US-20/26 | Muller Rd. to I-84 WB ramps | Westbound | Caldwell | 2.43 |
| Ustick Rd. | Kimball Ave. to 10th Ave. | Eastbound | Caldwell | 2.35 |
| Vista Ave. | Wright St. to I-84 EB Ramps | Northbound | Boise | 3.29 |
| $9^{\text {th }}$ St. | Main St. to Myrtle St. | Southbound | Boise | 2.58 |

*SH = State Highway, IB-84 = Interstate 84-Business Route, US = United States Highway
**Sanderson Index (SI) is a ratio of peak travel time to ideal travel time.

Figure 1: 2004 Ascending Congestion Map





## Congestion Analysis

Because only two years worth of travel time data are available, it is difficult to identify any trends in Treasure Valley congestion. Nonetheless, baseline CMS data collected in 2003 was compared to the data collected in 2004. Tables 3 and 4 display the amount and type of congestion identified in both the base year (2003) and in 2004. It is important to note approximately 38 miles of principal arterials were added to the data collection effort in 2004. The majority of the added miles are located in Canyon County.

Table 3: Ascending Congestion Comparison - Treasure Valley

| Ascending (Eastbound/Northbound) Travel |  |  |  |  |
| :--- | ---: | ---: | ---: | ---: |
| Congestion Threshold | 2003 <br> miles | $2003 \%$ | 2004 <br> miles | $2004 \%$ |
| High | 7.75 | $5.3 \%$ | 8.57 | $4.6 \%$ |
| Medium | 10.12 | $6.7 \%$ | 11.90 | $6.4 \%$ |
| Low | 129.64 | $88 \%$ | 164.5 | $89 \%$ |
| Total Miles of Data | $\mathbf{1 4 7 . 5 0}$ | $\mathbf{1 0 0 \%}$ | $\mathbf{1 8 4 . 9 7}$ | $\mathbf{1 0 0 \%}$ |

Table 4: Descending Congestion Comparison - Treasure Valley

| Descending (Westbound/Southbound) Travel |  |  |  |  |
| :--- | ---: | ---: | ---: | ---: |
| Congestion Threshold | 2003 <br> miles | $2003 \%$ | 2004 <br> miles | $2004 \%$ |
| High | 7.23 | $4.9 \%$ | 0.98 | $0.5 \%$ |
| Medium | 27.25 | $18.6 \%$ | 8.46 | $4.6 \%$ |
| Low | 111.67 | $76.4 \%$ | 175.77 | $94.9 \%$ |
| Total Miles of Data | $\mathbf{1 4 6 . 1 5}$ | $\mathbf{1 0 0 \%}$ | $\mathbf{1 8 5 . 2 1}$ | $\mathbf{1 0 0 \%}$ |

Table 5 lists the largest classification changes in 2004, those facilities that either moved into or out of the "high" congestion classification as a result of the 2004 data collection effort. 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. Potential projects/policies that may have contributed to the changes identified in Table 5 include:
a. Construction and/or completion of the Garrity Interchange Project in Nampa
b. Shoulder construction and reduced speed limit on Interstate 84 between Meridian and the Wye Interchange
c. Ramp Closures due to Wye Interchange construction
d. Significant changes in land use (e.x. Costco's move to Cole/Overland area)
e. Franklin Road construction
f. Various signalization improvements
g. Deployment of intelligent transportation system (ITS) improvements
h. Improvements in data collection

Table 5: Largest changes in Travel Time
Changes in Congestion Thresholds from 2003 to 2004

| Road ${ }^{*}$ | Location | Direction | City | $2003$ <br> Threshold | 2004 <br> Threshold | Potential <br> Reason(s)** |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 10th Ave. | I-84 WB Ramps to Chicago St | Southbound | Caldwell | High | Low | h |
| Idaho St. | 13th St to 9th St. | Eastbound | Boise | High | Low | h |
| Fairview Ave. | Liberty St. to Curtis Rd. | Eastbound | Boise | High | Low | f |
| Fairview Ave. | $\begin{array}{\|l\|} \hline \text { Mitchell St. to Five Mile } \\ \text { Rd } \end{array}$ | Westbound | Boise | High | Low | f |
| Fairview <br> Ave. | Orchard St. to Curtis Rd. | Westbound | Boise | High | Medium | f, g |
| Franklin Rd. | Five Mile Rd. to Cloverdale Rd. | Westbound | Boise | High | Low | g, e |
| Franklin Rd. | Milwaukee St. to Maple Grove Rd. | Westbound | Boise | High | Low | d, f |
| Franklin Rd. | Cole Rd. to Milwaukee St. | Westbound | Boise | High | Medium | d, f, g |
| I-184 | Curtis Rd. to Orchard St. | Eastbound | Boise | High | Low | c |
| I-84 | Meridian Rd. to Eagle Rd. | Eastbound | Boise | High | Medium | b, g |
| I-84 | Eagle Rd. to Five Mile Rd. | Eastbound | Boise | Low | High | b, g |
| I-84 | Franklin Blvd. to Garrity IC | Eastbound | Nampa | Low | High | a |
| IB-84 | End Raised Median to Linden St. | Eastbound | Caldwell | High | Low | h |
| IB-84 | $\begin{array}{\|l} \hline \begin{array}{l} \text { Flamingo to I-84 WB } \\ \text { Ramps } \end{array} \\ \hline \end{array}$ | Eastbound | Nampa | High | Low | a |
| IB-84 | Kimball to 10th | Northbound | Caldwell | Low | High | a, h |
| IB-84 | I-84 WB Ramps to Flamingo Ave. | Westbound | Nampa | High | Medium | a |
| Orchard St. | Bond St. to Chinden Blvd. | Northbound | Boise | High | Low | c, h |
| Orchard St. | I-184 EB Ramp to Bond St. | Northbound | Boise | Low | High | c, h |
| Overland Rd. | Owyhee St. to Vista Ave. | Eastbound | Boise | High | Low | h |
| Overland Rd. | Roosevelt St. to Orchard St | Westbound | Boise | High | Low | f |
| SH-44 (State <br> St.) | Begin New Alignment to Linder Rd. | Westbound | Boise/Eagle | High | Low | f |
| SH-55 | 1st St. N to 3rd St. S | Southbound | Nampa | High | Low | f |
| US-20/26 | Muller Rd. to I-84 WB ramps | Westbound | Caldwell | n/a | High | h |
| Ustick Rd. | Kimball Ave. to 10th Ave. | Eastbound | Caldwell | n/a | High | h |
| Vista Ave. | Overland Rd to Kootenai St. | Southbound | Boise | High | Low | h |


| Capitol Blvd. | Eastover Rd. to University Dr. | Southbound | Boise | High | Low | h |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Vista Ave. | I-84 EB Ramps to Wright St. | Southbound | Boise | High | Medium | f, g, h |

## 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 two 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 qualitative evaluations of the "Toolbox" may be possible.

Table 6: Treasure Valley CMS "Toolbox"

| CMS "Toolbox" - Congestion Mitigation Strategy Categories |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Area Wide |  | Corridor / Project Specific |  |
| Short Term (Within 5 Years) | $\nLeftarrow$ $\square$ $\square$ | Access Management policies for all congested roadways <br> Zoning Ordinance Standards Employer Based Strategies Access Management policies for all development along congested roadways | $*$ <br>  <br>  <br>  <br>  <br> + <br>  <br> $>$ | Intelligent Transportation Systems Intelligent Transportation Systems Additional Roadway Capacity Non-motorized Mode Improvements Intersection Improvements Preferential Based Strategies New or increased access to transit Non-motorized Mode Improvements |
| Long Term (Greater than 5 Years) | $\square$ $>$ $>$ $>$ $>$ | Comprehensive Plan land use strategies <br> Intermodal Project integration / design <br> New or increased access to transit <br> Additional transit services | $*$ $>$ | Additional Roadway Capacity listed in regional long-range plan Addition of transit oriented fixed-guide way |

Implementing Agency Legend(note: the crent 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 (ValleyRide and ACHD Commuteride)
- City and County Level Governments

As part of the transportation improvement program (TIP) development process, proposed surface transportation program (STU) projects are ranked according to various criteria. One of those criteria, system efficiency, awards ranking points to projects attempting to implement congestion mitigation projects identified in the CMS "Toolbox." Table 7 lists those STP projects proposed for Ada County, which received CMS considerations in the FY2005-2009 TIP. It should be noted that CMS ranking points were given regardless of roadway classification. As previously stated, travel time data is only collected on principal arterials and interstates, but improvements to minor arterials may also influence travel time on other facilities.

Table 7: FY 2005-2009 Transportation Improvement Program (TIP) CMS Project Ranking

| Implement System Efficiency (i.e., CMS consideration) - Possible 5 points |  |  |
| :--- | :--- | :---: |
| Project | Location | System Efficiency Points $^{*}$ |
| Roadway Widening: Franklin <br> Rd. | Touchmark Way to Five Mile <br> Rd. | 5 |
| Roadway Widening: Franklin <br> Rd. | Black Cat Road to Ten Mile <br> Rd. | 1 |
| Roadway Widening: Franklin <br> Rd. | Ten Mile Rd to Linder Rd. | 1 |
| New Roadway: Three Cities <br> River Crossing | Between Eagle Rd. and <br> Glenwood Rd. | 3 |

*MS points were awarded to projects regardless of current/proposed roadway classification.
Chapter 11 of Destination 2030 - Limited Plan Update, Northern Ada County's current longrange transportation plan, attempts to qualitatively forecast travel time impacts associated with growth. This is done by comparing current year and future year modeled travel time data produced by COMPASS' travel demand model. Table 8 displays the model data comparison for travel routes on primarily interstate and principal arterial routes in Ada and Canyon Counties. Due to forecasted growth and the planned transportation improvements currently modeled, travel times will most likely increase over the next 20 years. Although the model does not capture the critical role intersection design and signalization has on travel time, it does speak to intent of the Treasure Valley CMS... congestion mitigation, not elimination.

Table 8: Modeled Travel Time Comparison Based on Long Range Transportation Plans

| From | To | $\mathbf{2 0 0 5}$ <br> Time <br> (min) | $\mathbf{2 0 3 0}$ <br> Time <br> (min) | Change <br> in Travel <br> Time (\%) | Primary Route |
| :--- | :--- | ---: | ---: | ---: | ---: |
| City of Meridian | Crossroads Shopping Center (Eagle <br> and Fairview) | 4.9 | 5.6 | 13.0 | Franklin Rd. |
| City of Eagle | St. Luke's in Meridian | 10.0 | 11.6 | 16.6 | Eagle Rd. (SH 55) |
| City of Nampa | Downtown Boise | 30.3 | 35.9 | 18.5 | I-84 |
| City of Caldwell | Micron | 42.2 | 47.1 | 11.7 | I-84 |
| City of Meridian | St Al's | 14.7 | 17.7 | 20.4 | Fairview Ave. |
| City of Star | Hewlett Packard | 14.0 | 17.4 | 23.9 | SH 44 and US 20/26 |
| City of Star | Downtown Boise | 25.4 | 31.1 | 22.4 | SH 44 (State St.) |
| North Meridian | HP | 9.7 | 10.5 | 8.5 | US 20/26 (Chinden) |
| City of Middleton | City of Eagle | 18.5 | 21.2 | 14.8 | SH 44 (State St.) |
| North Caldwell | Boise Towne Square | 29.3 | 34.3 | 17.2 | I-84 |
| South Nampa | Boise Airport | 29.2 | 34.1 | 17.0 | I-84 |
| Broadway IC | Boise State University | 4.8 | 5.7 | 18.8 | Broadway Ave. |

## Conclusion

As part of the Treasure Valley CMS, 2004 travel time data was collected and analyzed to classify congestion on interstate and principal arterial roadways in the Treasure Valley. A small fraction of these roadways were identified as highly congested. Comparisons between

2004 and base year (2003) data were used to identify significant changes in congestion classification. Although more travel time data need to be collected before trends in congestion and congestion mitigation can be assessed, signalization improvements, changes in land use, and completion of roadway construction projects contributed to improved travel times. However, travel time forecasts produced by COMPASS' travel demand model indicate, based on forecasted growth, travel times are likely to increase on Treasure Valley interstates and principal arterials.

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## Appendices

## Appendix -A: Detailed 2004 Travel Time Data

Table A-1: Ascending Data - Boise Urbanized Area

| Ascending Travel Time Data for the Boise Urbanized Area, 2004 |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Name | Description | Distance | $\begin{array}{\|r\|} \hline 2004 \\ \text { Theoretic } \\ \text { Time } \\ \hline \end{array}$ | $\begin{array}{r} 2004 \\ \text { Congested } \\ \text { Time } \end{array}$ | 2004 <br> Ideal <br> Time | 2004 SI | $\begin{array}{r} 2004 \text { SI } \\ \text { Prime } \end{array}$ | $\begin{array}{r} \hline 2004 \mathrm{SI} \\ \text { Average } \end{array}$ |  |
| Americana/15th St. | Main St. to State St. | 0.26 | 31.200 | 67.117 | 56.207 | 1.194 | 1.802 | 1.356 | 1.227 |
| Americana/15th St. | Shoreline Dr. to Jct. 15th St. | 0.51 | 61.680 | 87.356 | 72.684 | 1.202 | 1.178 |  |  |
| Americana/15th St. | Jct. 15th St. to Main St. | 0.51 | 61.680 | 87.356 | 72.684 | 1.202 | 1.178 |  |  |
| Americana/15th St. | Emerald St. to Shoreline Dr. | 0.54 | 64.800 | 102.159 | 64.630 | 1.581 | 0.997 |  |  |
|  |  |  |  |  |  |  |  |  |  |
| Cherry Lane / Fairview Ave. | Black Cat Rd. to Ten Mile Rd. | 1.01 | 103.890 | 127.849 | 110.010 | 1.162 | 1.059 | 1.377 | 1.053 |
| Cherry Lane / Fairview Ave. | Ten Mile Rd. to Linder St. | 1.02 | 104.910 | 138.990 | 111.310 | 1.249 | 1.061 |  |  |
| Cherry Lane / Fairview Ave. | Linder St. to E 1st St. | 1.12 | 114.790 | 218.795 | 124.140 | 1.762 | 1.081 |  |  |
| Cherry Lane / Fairview Ave. | E 1st St. to Locust Grove St. | 0.85 | 87.630 | 131.344 | 88.350 | 1.487 | 1.008 |  |  |
| Cherry Lane / Fairview Ave. | Locust Grove St. to Eagle Rd. | 1.00 | 91.480 | 140.170 | 95.580 | 1.467 | 1.045 |  |  |
| Cherry Lane / Fairview Ave. | Eagle Rd. to Cloverdale Rd. | 1.01 | 90.900 | 141.060 | 95.310 | 1.480 | 1.049 |  |  |
| Cherry Lane / Fairview Ave. | Cloverdale Rd. to Five Mile Rd. | 1.01 | 90.900 | 136.901 | 92.530 | 1.480 | 1.018 |  |  |
| Cherry Lane / Fairview Ave. | Five Mile Rd. to Mitchell St. | 0.39 | 50.500 | 70.908 | 53.260 | 1.331 | 1.055 |  |  |
| Cherry Lane / Fairview Ave. | Maple Grove Rd. to Milwaukee St. | 0.50 | 51.220 | 60.295 | 52.920 | 1.139 | 1.033 |  |  |
| Cherry Lane / Fairview Ave. | Milwaukee St. to Cole Rd. | 0.51 | 52.050 | 65.268 | 58.880 | 1.108 | 1.131 |  |  |
| Cherry Lane / Fairview Ave. | Cole Rd. to Liberty St. | 0.66 | 67.370 | 69.480 | 70.310 | 0.988 | 1.044 |  |  |
| Cherry Lane / Fairview Ave. | Liberty St. to Curtis Rd. | 0.38 | 39.090 | 61.733 | 41.490 | 1.488 | 1.061 |  |  |
| Cherry Lane / Fairview Ave. | Curtis Rd. to Orchard St. | 0.56 | 52.560 | 67.367 | 58.920 | 1.143 | 1.121 |  |  |
| Cherry Lane / Fairview Ave. | Mitchell St. to Maple Grove Rd. | 0.52 | 53.380 | 89.014 | 53.910 | 1.651 | 1.010 |  |  |
|  |  |  |  |  |  |  |  |  |  |
| Cole Rd. | Overland Rd. to Franklin Rd. | 1.00 | 102.550 | 145.156 | 113.690 | 1.277 | 1.109 | 1.234 | 1.235 |
| Cole Rd. | Franklin Rd. to Emerald St. | 0.52 | 53.380 | 85.826 | 59.400 | 1.445 | 1.113 |  |  |
| Cole Rd. | Emerald St. to Fairview Ave. | 0.49 | 50.190 | 89.270 | 100.180 | 0.891 | 1.996 |  |  |
| Cole Rd. | Fairview Ave. to Northview St. | 0.51 | 52.660 | 74.647 | 59.490 | 1.255 | 1.130 |  |  |
| Cole Rd. | Northview St. to Ustick Rd. | 0.54 | 55.850 | 82.226 | 60.800 | 1.352 | 1.089 |  |  |


| Cole Rd. | Ustick Rd. to Mountainview Dr. | 0.60 | 62.130 | 75.919 | 74.200 | 1.023 | 1.194 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Cole Rd. | Mountainview Dr. to Chinden Blvd. | 0.61 | 73.200 | 117.858 | 87.590 | 1.346 | 1.197 |  |  |
| Fairview/Main | Chinden to 27th | 0.60 | 61.303 | 78.070 | 57.340 | 1.362 | 0.935 | 1.428 | 1.234 |
| Fairview/Main | 27th to 23rd | 0.28 | 28.800 | 33.092 | 47.920 | 0.691 | 1.664 |  |  |
| Fairview/Main | 23 rd to 16th | 0.24 | 26.130 | 40.328 | 33.550 | 1.202 | 1.284 |  |  |
| Fairview/Main | 16th St to 13th St | 0.21 | 25.200 | 29.170 | 54.800 | 0.532 | 2.175 |  |  |
| Fairview/Main | 13th St to 9th St. | 0.29 | 34.800 | 68.028 | 35.030 | 1.942 | 1.007 |  |  |
| Fairview/Main | 9th St. to 5th St. | 0.28 | 33.600 | 59.762 | 37.870 | 1.578 | 1.127 |  |  |
| Fairview/Main | 5th St. to 1st St. | 0.30 | 36.000 | 52.259 | 36.530 | 1.431 | 1.015 |  |  |
| Fairview/Main | 1st St. to Broadway/Ave B | 0.15 | 18.000 | 79.981 | 23.470 | 3.408 | 1.304 |  |  |
|  |  |  |  |  |  |  |  |  |  |
| Five Mile Rd. | Overland Rd. to Franklin Rd. | 1.02 | 104.810 | 147.200 | 119.100 | 1.236 | 1.136 | 1.368 | 1.154 |
| Five Mile Rd. | Franklin Rd. to Fairview Ave. | 1.03 | 106.150 | 186.306 | 124.270 | 1.499 | 1.171 |  |  |
|  |  |  |  |  |  |  |  |  |  |
| Franklin Rd. | E 1st St. to Nola Rd. | 0.98 | 87.840 | 120.550 | 106.815 | 1.129 | 1.216 | 1.801 | 1.057 |
| Franklin Rd. | Nola Rd. to Eagle Rd. | 1.01 | 117.257 | 362.705 | 105.100 | 3.451 | 0.896 |  |  |
| Franklin Rd. | Eagle Rd. to Cloverdale Rd. | 1.06 | 84.720 | 136.012 | 91.924 | 1.480 | 1.085 |  |  |
| Franklin Rd. | Cloverdale Rd. to Five Mile Rd. | 1.01 | 80.800 | 113.744 | 85.610 | 1.329 | 1.060 |  |  |
| Franklin Rd. | Five Mile Rd. to Maple Grove Rd. | 1.01 | 84.230 | 138.892 | 86.290 | 1.610 | 1.024 |  |  |
| Franklin Rd. | Maple Grove Rd. to Milwaukee St. | 0.65 | 66.860 | 92.515 | 72.020 | 1.285 | 1.077 |  |  |
| Franklin Rd. | Milwaukee St. to Cole Rd. | 0.36 | 37.030 | 104.777 | 38.360 | 2.731 | 1.036 |  |  |
|  |  |  |  |  |  |  |  |  |  |
| I-184 | Jct. I-84 to Franklin Rd. | 1.08 | 70.950 | 85.170 | 71.683 | 1.188 | 1.010 | 1.064 | 1.011 |
| I-184 | Franklin Rd. to Curtis Rd. | 1.46 | 95.300 | 97.946 | 97.222 | 1.007 | 1.020 |  |  |
| I-184 | Curtis Rd. to Orchard St. | 0.55 | 36.000 | 34.249 | 34.444 | 0.994 | 0.957 |  |  |
| I-184 | Orchard St. to Chinden Blvd. | 0.50 | 32.730 | 35.395 | 34.105 | 1.038 | 1.042 |  |  |
|  |  |  |  |  |  |  |  |  |  |
| I-84 | Ten Mile Rd. to Meridian Rd. | 2.01 | 111.160 | 147.358 | 111.160 | 1.326 | 1.000 | 1.303 | 1.000 |
| I-84 | Meridian Rd. to Eagle Rd. | 1.99 | 110.270 | 160.199 | 110.270 | 1.453 | 1.000 |  |  |
| I-84 | Eagle Rd. to Five Mile Rd. | 2.04 | 113.210 | 244.177 | 113.210 | 2.157 | 1.000 |  |  |
| I-84 | Five Mile Rd. to Maple Grove | 2.10 | 116.200 | 141.684 | 116.200 | 1.219 | 1.000 |  |  |
| I-84 | Maple Grove to Overland Rd. | 2.10 | 116.200 | 141.684 | 116.200 | 1.219 | 1.000 |  |  |


| I-84 | Overland Rd. to Orchard St. | 1.86 | 105.370 | 122.970 | 105.370 | 1.167 | 1.000 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| I-84 | Orchard St. to Vista Ave. | 1.49 | 82.300 | 92.669 | 82.300 | 1.126 | 1.000 |  |  |
| I-84 | Vista Ave. to Broadway Ave. | 1.00 | 55.500 | 61.899 | 55.500 | 1.115 | 1.000 |  |  |
| I-84 | Broadway Ave. to Gowen Rd. | 2.45 | 135.530 | 133.260 | 135.530 | 0.983 | 1.000 |  |  |
| I-84 | Gowen Rd. to Eisenman | 2.58 | 123.744 | 140.993 | 123.744 | 1.139 | 1.000 |  |  |
|  |  |  |  |  |  |  |  |  |  |
| Orchard St. | I-84 EB Ramps to Overland Rd. | 1.08 | 119.310 | 174.519 | 127.160 | 1.372 | 1.066 | 1.505 | 1.115 |
| Orchard St. | Overland Rd. to Franklin Rd. | 0.85 | 102.000 | 165.237 | 119.660 | 1.381 | 1.173 |  |  |
| Orchard St. | Franklin Rd. to Emerald St | 0.54 | 65.160 | 144.638 | 77.910 | 1.856 | 1.196 |  |  |
| Orchard St. | Emerald St to I-184 EB Ramp | 0.42 | 50.400 | 57.485 | 51.080 | 1.125 | 1.013 |  |  |
| Orchard St. | I-184 EB Ramp to Bond St. | 0.20 | 23.400 | 71.461 | 30.110 | 2.373 | 1.287 |  |  |
| Orchard St. | Bond St. to Chinden Blvd. | 0.28 | 34.080 | 57.226 | 34.160 | 1.675 | 1.002 |  |  |
|  |  |  |  |  |  |  |  |  |  |
| Overland Rd. | Cole Rd. to Curtis Rd. | 0.81 | 83.520 | 135.385 | 112.290 | 1.206 | 1.344 | 1.320 | 1.208 |
| Overland Rd. | Curtis Rd. to Orchard St. | 0.51 | 52.457 | 99.841 | 55.240 | 1.807 | 1.053 |  |  |
| Overland Rd. | Orchard St. to Roosevelt St. | 0.49 | 50.400 | 58.288 | 59.430 | 0.981 | 1.179 |  |  |
| Overland Rd. | Roosevelt St. to Owyhee St. | 0.50 | 51.429 | 74.040 | 53.450 | 1.385 | 1.039 |  |  |
| Overland Rd. | Owyhee St. to Vista Ave/Overland Rd | 0.49 | 50.400 | 86.442 | 67.850 | 1.274 | 1.346 |  |  |
|  |  |  |  |  |  |  |  |  |  |
| Park/Parkcenter Blvd | Broadway Ave. to Park / Parkcente r/ Clearwater | 0.31 | 32.300 | 48.621 | 38.700 | 1.256 | 1.198 | 1.138 | 1.040 |
| Park/Parkcenter Blvd | Park/Parkcenter/Clearwater to Beacon St. | 0.32 | 32.710 | 40.501 | 29.610 | 1.368 | 0.905 |  |  |
| Park/Parkcenter Blvd | Beacon St. to Mallard Dr. | 0.52 | 53.180 | 68.986 | 55.200 | 1.250 | 1.038 |  |  |
| Park/Parkcenter Blvd | Mallard Dr. to River Run Dr. | 0.55 | 56.570 | 61.726 | 57.780 | 1.068 | 1.021 |  |  |
| Park/Parkcenter Blvd | River Run Dr. to Apple St. | 0.45 | 46.290 | 55.410 | 48.410 | 1.145 | 1.046 |  |  |
| Park/Parkcenter Blvd | Apple St. to Monterey | 0.88 | 90.510 | 93.156 | 94.310 | 0.988 | 1.042 |  |  |
|  |  |  |  |  |  |  |  |  |  |
| SH-44 | Linder to Begin New Alignment | 1.53 | 100.150 | 169.878 | 107.862 | 1.575 | 1.077 | 1.286 | 1.247 |
| SH-44 | Begin New Alignment to Eagle Rd. | 1.54 | 100.730 | 161.534 | 103.380 | 1.563 | 1.026 |  |  |
| SH-44 | Hwy 55 to Horseshoe Bend Rd. | 0.19 | 12.240 | 37.634 | 24.650 | 1.527 | 2.014 |  |  |
| SH-44 | Horseshoe Bend Rd. to Glenwood | 2.03 | 144.970 | 176.700 | 150.714 | 1.172 | 1.040 |  |  |
| SH-44 | Marigold to State St. | 0.61 | 62.740 | 141.413 | 74.626 | 1.895 | 1.189 |  |  |
| SH-44 | Chinden Blvd. to Marigold | 0.70 | 72.000 | 74.605 | 76.862 | 0.971 | 1.068 |  |  |
| SH-44 | Eagle Rd. to MP Equation | 1.89 | 123.770 | 188.068 | 222.190 | 0.846 | 1.795 |  |  |



| State St. | Collister to Veterans Parkway | 0.91 | 93.810 | 159.343 | 98.200 | 1.623 | 1.047 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| State St. | Veterans Parkway to 27th St | 0.93 | 95.350 | 139.254 | 98.440 | 1.415 | 1.032 |  |  |
| State St. | 27th St to 18th St. | 0.66 | 74.540 | 94.830 | 81.440 | 1.164 | 1.093 |  |  |
| State St. | 18th St. to 15th St. | 0.24 | 28.680 | 52.391 | 33.990 | 1.541 | 1.185 |  |  |
|  |  |  |  |  |  |  |  |  |  |
| US-20/26 | Linder to Eagle Rd. | 2.97 | 194.470 | 305.222 | 222.204 | 1.374 | 1.143 | 1.303 | 1.113 |
| US-20/26 | Eagle Rd. to Cloverdale Rd. | 1.00 | 65.520 | 151.147 | 73.724 | 2.050 | 1.125 |  |  |
| US-20/26 | Cloverdale Rd. to Garrett | 1.84 | 123.070 | 204.639 | 141.584 | 1.445 | 1.150 |  |  |
| US-20/26 | Garrett to Glenwood | 1.09 | 98.070 | 114.587 | 104.184 | 1.100 | 1.062 |  |  |
| US-20/26 | Glenwood to Veterans Pkwy. | 1.96 | 201.090 | 295.573 | 207.608 | 1.424 | 1.032 |  |  |
| US-20/26 | Veterans Pkwy. to 36th | 0.65 | 66.650 | 76.207 | 69.362 | 1.099 | 1.041 |  |  |
| US-20/26 | 36th to Main St. | 0.48 | 49.580 | 60.242 | 49.620 | 1.214 | 1.001 |  |  |
| US-20/26 | Main St. to 13th. | 1.26 | 96.770 | 145.842 | 115.276 | 1.265 | 1.191 |  |  |
| US-20/26 | 13th. to 9th | 0.30 | 30.960 | 51.752 | 54.684 | 0.946 | 1.766 |  |  |
| US-20/26 | 9th to Capitol Blvd. | 0.14 | 14.810 | 24.367 | 23.434 | 1.040 | 1.582 |  |  |
| US-20/26 | Capitol Blvd. to Broadway | 0.72 | 74.470 | 72.278 | 78.214 | 0.924 | 1.050 |  |  |
| US-20/26 | Broadway/Myrtle to Beacon | 0.51 | 52.460 | 65.238 | 57.968 | 1.125 | 1.105 |  |  |
| US-20/26 | Beacon to Boise Ave. | 0.55 | 56.670 | 70.221 | 62.186 | 1.129 | 1.097 |  |  |
| US-20/26 | Boise Ave. to Federal Way | 1.07 | 110.060 | 124.481 | 109.192 | 1.140 | 0.992 |  |  |
| US-20/26 | Federal Way to I-84 EB Ramps | 0.69 | 60.210 | 61.304 | 63.714 | 0.962 | 1.058 |  |  |
|  |  |  |  |  |  |  |  |  |  |
| US-20/26 | 11th Ave. N Ext. to Can-Ada Rd. | 1.02 | 66.436 | 65.953 | 66.861 | 0.986 | 1.006 | 1.277 | 1.004 |
| US-20/26 | Can-Ada Rd. to Star Rd. | 0.98 | 63.949 | 93.356 | 63.996 | 1.459 | 1.001 |  |  |
| US-20/26 | Star Rd. to McDermitt Rd. | 1.01 | 65.913 | 79.965 | 66.077 | 1.210 | 1.002 |  |  |
| US-20/26 | McDermitt Rd. to Black Cat Rd. | 0.99 | 64.669 | 66.243 | 65.029 | 1.019 | 1.006 |  |  |
| US-20/26 | Black Cat Rd. to Ten Mile Rd. | 1.00 | 65.520 | 66.007 | 65.793 | 1.003 | 1.004 |  |  |
| US-20/26 | Ten Mile Rd. to Linder | 1.00 | 65.127 | 130.758 | 65.562 | 1.994 | 1.007 |  |  |
|  |  |  |  |  |  |  |  |  |  |
| Vista / Capitol / 9th | Wright St. to I-84 EB Ramps | 0.08 | 8.023 | 27.321 | 8.310 | 3.288 | 1.036 | 1.278 | 1.099 |
| Vista / Capitol / 9th | I-84 EB Ramps to Canal St. | 0.48 | 49.371 | 63.640 | 52.400 | 1.214 | 1.061 |  |  |
| Vista / Capitol / 9th | Canal St. to Targee St. | 0.37 | 38.057 | 44.638 | 39.610 | 1.127 | 1.041 |  |  |
| Vista / Capitol / 9th | Targee St. to Overland Rd. | 0.49 | 50.400 | 58.772 | 53.560 | 1.097 | 1.063 |  |  |
| Vista / Capitol / 9th | Vista Ave/Overland Rd to Kootenai St. | 0.24 | 24.686 | 29.965 | 26.660 | 1.124 | 1.080 |  |  |


| Vista / Capitol / 9th | Kootenai St. to Eastover Rd. | 0.61 | 62.229 | 70.407 | 61.650 | 1.142 | 0.991 |
| :--- | :--- | ---: | ---: | ---: | ---: | ---: | ---: |
| Vista / Capitol / 9th | University Dr. to Eastover Rd. | 0.29 | 30.030 | 68.889 | 40.900 | 1.684 | 1.362 |
| Vista / Capitol / 9th | Myrtle St. to University Dr. | 0.54 | 62.540 | 97.166 | 72.020 | 1.349 | 1.152 |
| Vista / Capitol / 9th | Front St. to Myrtle St. | 0.12 | 14.400 | 28.305 | 22.340 | 1.267 | 1.551 |
| Vista / Capitol / 9th | Front St. to Bannock St. | 0.27 | 38.160 | 46.021 | 38.030 | 1.210 | 0.997 |

Table A-2: Ascending Data - Nampa Urbanized Area

| Ascending Travel Time Data for the Nampa Urbanized Area, 2004 |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Name | Description | Distance | 2004 Theoretic Time | $\begin{array}{r} 2004 \\ \text { Congested } \\ \text { Time } \end{array}$ | 2004 Ideal Time | 2004 SI | $\begin{array}{r} 2004 \text { SI } \\ \text { Prime } \end{array}$ | $\begin{array}{r} 2004 \mathrm{SI} \\ \text { Average } \end{array}$ | $\begin{array}{r} 2004 \text { SI } \\ \text { Prime } \end{array}$ Average |
| 10th Ave. | Cleveland Blvd. to Chicago St. | 0.43 | 43.92 | 55.96 | 55.29 | 1.01 | 1.26 | 1.18 | 1.26 |
| 10th Ave. | Chicago St. to I-84 WB Ramps | 0.32 | 32.40 | 57.70 | 41.05 | 1.41 | 1.27 |  |  |
|  |  |  |  |  |  |  |  |  |  |
| 21st Ave. | Cleveland Blvd. to Chicago St. | 0.43 | 51.24 | 120.79 | 60.84 | 1.99 | 1.19 | 1.58 | 1.32 |
| 21st Ave. | Chicago St. to Franklin Rd. | 0.32 | 32.71 | 40.99 | 39.40 | 1.04 | 1.20 |  |  |
| 21st Ave. | Franklin Rd. to I-84 EB Ramps | 0.17 | 17.90 | 51.75 | 32.76 | 1.58 | 1.83 |  |  |
|  |  |  |  |  |  |  |  |  |  |
| Airport Rd. | Garrity Blvd. to Happy Valley Rd. | 1.03 | 106.15 | 148.90 | 127.93 | 1.16 | 1.21 | 1.16 | 1.21 |
|  |  |  |  |  |  |  |  |  |  |
| Franklin Blvd. | 11th Ave. N to I-84 WB Ramps | 0.94 | 85.26 | 113.38 | 94.91 | 1.19 | 1.11 | 1.19 | 1.11 |
|  |  |  |  |  |  |  |  |  |  |
| I-84 | Hwy 44 to US 20/26 | 1.16 | 63.97 | 61.38 | 63.97 | 0.96 | 1.00 | 1.02 | 1.00 |
| I-84 | US 20/26 to IB-84 | 0.73 | 40.38 | 39.64 | 40.38 | 0.98 | 1.00 |  |  |
| I-84 | IB-84 to 10th St. | 0.90 | 49.68 | 48.16 | 49.68 | 0.97 | 1.00 |  |  |
| I-84 | 10th St. to US-20/26 | 1.03 | 57.05 | 58.37 | 57.05 | 1.02 | 1.00 |  |  |
| I-84 | US-20/26 to Nampa Blvd. | 6.31 | 349.70 | 362.34 | 349.70 | 1.04 | 1.00 |  |  |
| I-84 | Nampa Blvd. to Franklin Blvd. | 1.02 | 56.55 | 57.80 | 56.55 | 1.02 | 1.00 |  |  |
|  |  |  |  |  |  |  |  |  |  |
| I-84 | Franklin Blvd. to Garrity IC | 1.96 | 108.55 | 171.27 | 110.09 | 1.56 | 1.01 | 1.31 | 1.01 |
| I-84 | Garrity IC to Ten Mile Rd. | 4.06 | 224.58 | 267.29 | 225.65 | 1.18 | 1.00 |  |  |
|  |  |  |  |  |  |  |  |  |  |
| IB-84 | Cleveland/Centenial Way to Kimball | 0.50 | 72.58 | 84.10 | 79.20 | 1.06 | 1.09 | 1.18 | 1.00 |
| IB-84 | Kimball to $10^{\text {th }}$ | 0.14 | 20.30 | 66.87 | 22.46 | 2.98 | 1.11 |  |  |
| IB-84 | 10 th to $18^{\text {th }}$ | 0.58 | 66.12 | 65.56 | 65.91 | 0.99 | 1.00 |  |  |
| IB-84 | 18 th to $21{ }^{\text {st }}$ | 0.22 | 22.42 | 26.29 | 24.21 | 1.09 | 1.08 |  |  |
| IB-84 | 21st to End Raised Median | 0.68 | 69.74 | 98.55 | 63.02 | 1.56 | 0.90 |  |  |
| IB-84 | End Raised Median to Linden | 0.68 | 69.74 | 98.55 | 63.02 | 1.56 | 0.90 |  |  |
| IB-84 | Linden to Ustick | 1.44 | 118.56 | 128.72 | 121.98 | 1.06 | 1.03 |  |  |
| IB-84 | Ustick to Homedale Rd. | 1.47 | 117.28 | 125.87 | 114.78 | 1.10 | 0.98 |  |  |


| IB-84 | Homedale Rd. to Middleton Rd. | 0.73 | 63.03 | 91.55 | 65.90 | 1.39 | 1.05 | 1.15 | 1.11 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| IB-84 | Middleton Rd. to Karcher Rd. | 0.74 | 76.53 | 100.49 | 78.65 | 1.28 | 1.03 |  |  |
| IB-84 | Karcher Rd. to Midland | 0.64 | 66.24 | 92.35 | 78.94 | 1.17 | 1.19 |  |  |
| IB-84 | Midland to Canyon St. | 1.05 | 107.59 | 125.14 | 107.85 | 1.16 | 1.00 |  |  |
| IB-84 | Canyon St. to Yale/Hwy 55 | 0.30 | 31.06 | 41.18 | 38.53 | 1.07 | 1.24 |  |  |
| IB-84 | Yale/Hwy 55 to $7^{\text {th }}$ Ave. | 0.45 | 46.39 | 51.88 | 50.32 | 1.03 | 1.08 |  |  |
| IB-84 | 7th Ave. to 11th/3rd | 0.28 | 34.25 | 61.24 | 48.63 | 1.26 | 1.42 |  |  |
| IB-84 | 11th/3rd to Garrity/Franklin | 0.86 | 104.48 | 118.92 | 117.56 | 1.01 | 1.13 |  |  |
| IB-84 | Garrity/Franklin to 16th | 0.33 | 33.53 | 39.88 | 36.45 | 1.09 | 1.09 |  |  |
| IB-84 | 16th to Flamingo | 1.65 | 149.55 | 177.88 | 170.78 | 1.04 | 1.14 |  |  |
| IB-84 | Flamingo to I-84 WB Ramps | 0.30 | 23.76 | 40.52 | 28.44 | 1.42 | 1.20 |  |  |
|  |  |  |  |  |  |  |  |  |  |
| Middleton Rd. | Center I-84 Overpass to Ustick Rd. | 0.83 | 65.93 | 63.79 | 66.11 | 0.96 | 1.00 | 1.11 | 1.01 |
| Middleton Rd. | Ustick Rd. to Linden Rd. | 1.03 | 73.87 | 76.67 | 72.80 | 1.05 | 0.99 |  |  |
| Middleton Rd. | Linden Rd. to US-20/26 | 1.03 | 74.45 | 115.14 | 80.81 | 1.42 | 1.09 |  |  |
| Middleton Rd. | US-20/26 to Lincoln St. W. | 1.03 | 74.16 | 76.20 | 76.87 | 0.99 | 1.04 |  |  |
| Middleton Rd. | Lincoln St. W. to Ctr Boise Rv. Br. | 1.37 | 129.60 | 134.50 | 121.44 | 1.11 | 0.94 |  |  |
| Middleton Rd. | Ctr Boise Rv. Br. To Jct SH-44 | 0.74 | 106.56 | 0.00 | 109.79 | 0.00 | 1.03 |  |  |
|  |  |  |  |  |  |  |  |  |  |
| SH-19/IB-84 | Simplot Exit \#3 to Farmway | 1.01 | 66.18 | 74.74 | 69.44 | 1.08 | 1.05 | 1.00 | 1.11 |
| SH-19/IB-84 | Farmway to Paynter | 0.75 | 62.60 | 67.71 | 68.81 | 0.98 | 1.10 |  |  |
| SH-19/IB-84 | Paynter to Blaine/Simplot Blvd. | 0.11 | 11.21 | 21.90 | 19.49 | 1.12 | 1.74 |  |  |
| SH-19/IB-84 | Blaine to Chicago | 0.28 | 44.02 | 42.21 | 47.44 | 0.89 | 1.08 |  |  |
| SH-19/IB-84 | Chicago to I-84 WB Ramps | 0.52 | 44.75 | 46.26 | 51.51 | 0.90 | 1.15 |  |  |
|  |  |  |  |  |  |  |  |  |  |
| SH-44 | Old Hwy 30 to I-84 EB ramps | 0.25 | 25.92 | 0.00 | 25.74 | 0.00 | 0.99 | 1.01 | 1.01 |
| SH-44 | Old Hwy 30 to Emmett Rd. | 2.14 | 142.00 | 145.69 | 142.97 | 1.02 | 1.01 |  |  |
| SH-44 | Emmett Rd. to Cemetery Rd. | 1.03 | 75.36 | 81.39 | 76.78 | 1.06 | 1.02 |  |  |
| SH-44 | Cemetery Rd. to Middleton Rd. | 0.73 | 94.73 | 93.39 | 100.13 | 0.93 | 1.06 |  |  |
| SH-44 | Middleton Rd. to Marjorie Ave. | 0.53 | 45.51 | 45.70 | 45.77 | 1.00 | 1.01 |  |  |
| SH-44 | Marjorie Ave. to Duff Lane | 0.77 | 52.42 | 56.88 | 52.37 | 1.09 | 1.00 |  |  |
| SH-44 | Duff Lane to Lansing Lane | 1.01 | 66.11 | 65.06 | 66.34 | 0.98 | 1.00 |  |  |
| SH-44 | Lansing Lane to Kingsbury Rd. | 1.03 | 67.55 | 67.13 | 68.72 | 0.98 | 1.02 |  |  |


| SH-45 | Ruth Ln. to Greenhurst | 1.55 | 133.75 | 154.29 | 139.55 | 1.11 | 1.04 | 1.15 | 1.12 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| SH-45 | Greenhurst to Iowa | 0.44 | 45.57 | 62.18 | 55.22 | 1.13 | 1.21 |  |  |
| SH-45 | Iowa to Lake Lowell Ave. | 0.56 | 57.29 | 76.45 | 57.90 | 1.32 | 1.01 |  |  |
| SH-45 | Lake Lowell Ave. to 7th | 1.03 | 105.94 | 137.87 | 113.51 | 1.21 | 1.07 |  |  |
| SH-45 | 7 th to $3^{\text {rd }}$ | 0.29 | 32.79 | 54.94 | 54.66 | 1.01 | 1.67 |  |  |
| SH-45 | 3 rd to $2 \mathrm{nd} / 11^{\text {th }}$ | 0.15 | 21.02 | 28.53 | 28.64 | 1.00 | 1.36 |  |  |
| SH-55 | 3rd St. S to 1st St. N | 0.38 | 39.19 | 48.86 | 40.81 | 1.20 | 1.04 |  |  |
| SH-55 | 1st St. N to 6th St. N | 0.53 | 42.96 | 57.43 | 45.42 | 1.26 | 1.06 |  |  |
| SH-55 | 6th St. N to I-84 WB Ramps | 0.25 | 19.84 | 57.07 | 25.66 | 2.22 | 1.29 |  |  |
|  |  |  |  |  |  |  |  |  |  |
| US-20/26 | I-84 EB off ramp to I-84 WB ramps | 0.18 | 18.31 | 63.74 | 40.83 | 1.56 | 2.23 | 1.13 | 1.03 |
| US-20/26 | I-84 WB ramps to Muller Rd. | 0.20 | 20.67 | 20.81 | 20.52 | 1.01 | 0.99 |  |  |
| US-20/26 | Muller Rd. to KCID Rd. | 1.08 | 77.87 | 76.99 | 78.33 | 0.98 | 1.01 |  |  |
| US-20/26 | KCID Rd. to Middleton Rd. | 0.99 | 64.87 | 87.25 | 63.88 | 1.37 | 0.98 |  |  |
| US-20/26 | Middleton Rd. to Midland Blvd. | 1.00 | 65.59 | 80.48 | 65.82 | 1.22 | 1.00 |  |  |
| US-20/26 | Midland Blvd. to Northside Blvd. | 1.00 | 65.19 | 70.16 | 65.39 | 1.07 | 1.00 |  |  |
| US-20/26 | Northside Blvd. to Franklin Rd. | 1.01 | 65.85 | 71.77 | 66.20 | 1.08 | 1.01 |  |  |
| US-20/26 | Franklin Rd. to 11th Ave. N Ext. | 1.02 | 66.57 | 66.83 | 66.45 | 1.01 | 1.00 |  |  |
|  |  |  |  |  |  |  |  |  |  |
| Ustick Rd. | Farmway Rd to Kimball | 0.71 | 72.51 | 72.25 | 81.60 | 0.89 | 1.13 | 1.08 | 1.14 |
| Ustick Rd. | Kimball to 10th Ave. | 0.25 | 25.82 | 76.76 | 32.70 | 2.35 | 1.27 |  |  |
| Ustick Rd. | 10th Ave. to Indiana Ave | 1.00 | 103.17 | 113.36 | 114.90 | 0.99 | 1.11 |  |  |
| Ustick Rd. | Indiana Ave to Lake Ave | 1.01 | 103.68 | 104.94 | 113.83 | 0.92 | 1.10 |  |  |
| Ustick Rd. | Lake Ave to Caldwell Blvd | 0.40 | 41.14 | 75.84 | 63.33 | 1.20 | 1.54 |  |  |
| Ustick Rd. | Caldwell Blvd to RR Crossing | 0.35 | 35.49 | 41.72 | 37.47 | 1.11 | 1.06 |  |  |
| Ustick Rd. | RR Crossing to Middleton Rd | 1.28 | 106.92 | 125.26 | 114.81 | 1.09 | 1.07 |  |  |

Table A-3: Descending Data - Boise Urbanized Area

| Descending Travel Time Data for the Boise Urbanized Area, 2004 |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Name | Description | Distance | 2004 Theoretic Time | $\begin{array}{r} 2004 \\ \text { Congested } \\ \text { Time } \\ \hline \end{array}$ | $\begin{gathered} 2004 \\ \text { Ideal } \\ \text { Time } \end{gathered}$ | 2004 SI | $\begin{array}{\|r\|} \hline 2004 \text { SI } \\ \text { Prime } \end{array}$ | $\begin{array}{r} 2004 \mathrm{SI} \\ \text { Average } \end{array}$ | $\begin{array}{r} \text { 2004 SI } \\ \text { Prime } \\ \text { Average } \\ \hline \end{array}$ |
| Americana/16th St. | State St. to Main St | 0.25 | 30.00 | 55.36 | 48.96 | 1.13 | 1.63 | 1.27 | 1.17 |
| Americana/16th St. | Main St to Front St | 0.45 | 54.00 | 95.51 | 55.39 | 1.72 | 1.03 |  |  |
| Americana/16th St. | Front St. to Jct. 15th St. | 0.45 | 54.00 | 95.51 | 55.39 | 1.72 | 1.03 |  |  |
| Americana/16th St. | Jct. 15th St. to Shoreline Dr. | 0.45 | 54.00 | 95.51 | 55.39 | 1.72 | 1.03 |  |  |
| Americana/16th St. | Shoreline Dr. to Emerald St. | 0.54 | 64.80 | 66.12 | 69.14 | 0.96 | 1.07 |  |  |
|  |  |  |  |  |  |  |  |  |  |
| Cole Rd. | Chinden Blvd. To Mountainview Dr. | 0.61 | 73.20 | 102.31 | 84.00 | 1.22 | 1.15 | 1.42 | 1.15 |
| Cole Rd. | Mountainview Dr. to Ustick Rd. | 0.60 | 62.13 | 79.74 | 74.79 | 1.07 | 1.20 |  |  |
| Cole Rd. | Ustick Rd. to Northview St. | 0.54 | 55.85 | 78.46 | 55.54 | 1.41 | 0.99 |  |  |
| Cole Rd. | Northview St. to Fairview Ave. | 0.51 | 52.66 | 107.44 | 68.18 | 1.58 | 1.29 |  |  |
| Cole Rd. | Fairview Ave. to Emerald St. | 0.49 | 50.19 | 73.96 | 53.38 | 1.39 | 1.06 |  |  |
| Cole Rd. | Emerald St. to Franklin Rd. | 0.52 | 53.38 | 102.96 | 64.19 | 1.60 | 1.20 |  |  |
| Cole Rd. | Franklin Rd. to Overland Rd. | 1.00 | 102.55 | 183.36 | 115.16 | 1.59 | 1.12 |  |  |
|  |  |  |  |  |  |  |  |  |  |
| Fariview Ave. | Orchard St. to Curtis Rd. | 0.56 | 52.56 | 107.01 | 58.82 | 1.82 | 1.12 | 1.34 | 1.09 |
| Fariview Ave. | Curtis Rd. to Liberty St. | 0.38 | 39.09 | 45.04 | 41.09 | 1.10 | 1.05 |  |  |
| Fariview Ave. | Liberty St. to Cole Rd. | 0.66 | 67.37 | 85.82 | 81.81 | 1.05 | 1.21 |  |  |
| Fariview Ave. | Cole Rd. to Milwaukee St. | 0.51 | 52.05 | 60.81 | 60.31 | 1.01 | 1.16 |  |  |
| Fariview Ave. | Milwaukee St. to Maple Grove Rd. | 0.50 | 51.22 | 78.46 | 54.53 | 1.44 | 1.06 |  |  |
| Fariview Ave. | Maple Grove Rd. to Mitchell St. | 0.62 | 53.38 | 67.82 | 53.42 | 1.27 | 1.00 |  |  |
| Fariview Ave. | Mitchell St. to Five Mile Rd. | 0.49 | 50.50 | 95.05 | 55.17 | 1.72 | 1.09 |  |  |
| Fariview Ave. | Five Mile Rd. to Cloverdale Rd. | 1.01 | 90.90 | 126.02 | 94.44 | 1.33 | 1.04 |  |  |
| Fariview Ave. | Cloverdale Rd. to Eagle Rd. | 1.01 | 90.90 | 142.56 | 97.10 | 1.47 | 1.07 |  |  |
| Fariview Ave. | Eagle Rd. to Locust Grove St. | 1.00 | 91.48 | 131.51 | 112.34 | 1.17 | 1.23 |  |  |
| Fariview Ave. | Locust Grove St. to E 1st St. | 0.85 | 87.63 | 94.48 | 91.11 | 1.04 | 1.04 |  |  |
| Fariview Ave. | E 1st St. to Linder St. | 1.12 | 114.79 | 245.59 | 117.76 | 2.09 | 1.03 |  |  |
| Fariview Ave. | Linder St. to Ten Mile Rd. | 1.02 | 104.91 | 123.14 | 108.60 | 1.13 | 1.04 |  |  |
| Fariview Ave. | Ten Mile Rd. to Black Cat Rd. | 1.01 | 103.89 | 116.16 | 114.63 | 1.01 | 1.10 |  |  |


| Five Mile Rd. | Fairview Ave. to Franklin Rd. | 1.03 | 106.15 | 165.98 | 115.62 | 1.44 | 1.09 | 1.40 | 1.10 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Five Mile Rd. | Franklin Rd. to Overland Rd. | 1.02 | 104.81 | 157.77 | 116.14 | 1.36 | 1.11 |  |  |
| Franklin Rd. | Cole Rd. to Milwaukee St. | 0.36 | 37.03 | 82.03 | 38.37 | 2.14 | 1.04 | 1.56 | 1.06 |
| Franklin Rd. | Milwaukee St. to Maple Grove Rd. | 0.65 | 66.86 | 87.76 | 72.20 | 1.22 | 1.08 |  |  |
| Franklin Rd. | Maple Grove Rd. to Five Mile Rd. | 1.01 | 84.23 | 128.79 | 84.96 | 1.52 | 1.01 |  |  |
| Franklin Rd. | Five Mile Rd. to Cloverdale Rd. | 1.01 | 80.80 | 123.01 | 86.70 | 1.42 | 1.07 |  |  |
| Franklin Rd. | Cloverdale Rd. to Eagle Rd. | 1.06 | 84.72 | 191.33 | 95.03 | 2.01 | 1.12 |  |  |
| Franklin Rd. | Eagle Rd. to Nola Rd. | 1.01 | 117.26 | 113.34 | 94.08 | 1.20 | 0.80 |  |  |
| Franklin Rd. | Nola Rd. to E 1st St. | 0.98 | 87.84 | 182.70 | 112.43 | 1.63 | 1.28 |  |  |
|  |  |  |  |  |  |  |  |  |  |
| I-184 | Chinden Blvd. to Orchard St. | 0.50 | 32.73 | 35.72 | 32.16 | 1.11 | 0.98 | 1.04 | 1.00 |
| I-184 | Orchard St. to Curtis Rd. | 0.55 | 36.00 | 37.24 | 34.77 | 1.07 | 0.97 |  |  |
| I-184 | Curtis Rd. to Franklin Rd. | 1.46 | 95.30 | 96.57 | 99.87 | 0.97 | 1.05 |  |  |
| I-184 | Franklin Rd. to Jct. I-84 | 1.08 | 70.95 | 75.31 | 68.42 | 1.10 | 0.96 |  |  |
|  |  |  |  |  |  |  |  |  |  |
| I-84 | Eisenman to Gowen Rd. | 2.58 | 123.74 | 133.65 | 123.74 | 1.08 | 1.00 | 1.11 | 1.00 |
| I-84 | Gowen Rd. to Broadway Ave. | 2.45 | 135.53 | 141.37 | 135.53 | 1.04 | 1.00 |  |  |
| I-84 | Broadway Ave. to Vista Ave. | 1.00 | 55.50 | 57.76 | 55.50 | 1.04 | 1.00 |  |  |
| I-84 | Vista Ave. to Orchard St. | 1.49 | 82.30 | 90.08 | 82.30 | 1.09 | 1.00 |  |  |
| I-84 | Orchard St. to Overland Rd. | 1.86 | 105.37 | 113.41 | 105.37 | 1.08 | 1.00 |  |  |
| I-84 | Overland Rd. to Maple Grove | 2.10 | 116.20 | 139.45 | 116.20 | 1.20 | 1.00 |  |  |
| I-84 | Maple Grove to Five Mile Rd. | 2.10 | 116.20 | 139.45 | 116.20 | 1.20 | 1.00 |  |  |
| I-84 | Five Mile Rd. to Eagle Rd. | 2.04 | 113.21 | 128.91 | 113.21 | 1.14 | 1.00 |  |  |
| I-84 | Eagle Rd. to Meridian Rd. | 1.99 | 110.27 | 127.64 | 110.27 | 1.16 | 1.00 |  |  |
| I-84 | Meridian Rd. to Ten Mile Rd. | 2.01 | 111.16 | 127.28 | 111.16 | 1.15 | 1.00 |  |  |
|  |  |  |  |  |  |  |  |  |  |
| Idaho / Main | 1st St. to Main St/Ave. B | 0.13 | 15.60 | 27.43 | 22.78 | 1.20 | 1.46 | 1.19 | 1.21 |
| Idaho / Main | 6th St. to 1st St. | 0.36 | 42.60 | 85.33 | 47.78 | 1.79 | 1.12 |  |  |
| Idaho / Main | 9th St. to 6th St. | 0.19 | 22.80 | 31.54 | 26.42 | 1.19 | 1.16 |  |  |
| Idaho / Main | 13th St. to 9th St. | 0.29 | 34.80 | 38.14 | 34.39 | 1.11 | 0.99 |  |  |
| Idaho / Main | 16th St. to 13th St. | 0.26 | 31.20 | 42.07 | 26.33 | 1.60 | 0.84 |  |  |
| Idaho / Main | 16th/Idaho to Main St | 0.15 | 18.00 | 25.82 | 24.98 | 1.03 | 1.39 |  |  |
| Idaho / Main | 16th St to Grove St. | 0.15 | 18.00 | 25.82 | 24.98 | 1.03 | 1.39 |  |  |



| SH-44 | Palmer Lane to Jct SH 16 | 0.75 | 49.22 | 52.94 | 53.95 | 0.98 | 1.10 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| SH-44 | Jct SH 16 to Taurus Way | 1.30 | 92.82 | 98.16 | 96.64 | 1.02 | 1.04 |  |  |
| SH-44 | Taurus Way to Star Rd. | 0.44 | 63.36 | 63.18 | 66.56 | 0.95 | 1.05 |  |  |
| SH-44 | Star Rd. to Can-Ada Rd. | 1.00 | 88.41 | 0.00 | 86.65 | 0.00 | 0.98 |  |  |
| SH-44 | Can-Ada Rd. to Blessinger Lane | 1.05 | 68.92 | 69.19 | 68.70 | 1.01 | 1.00 |  |  |
| SH-44 | Blessinger Lane to Kingsbury Rd. | 1.01 | 65.85 | 67.29 | 66.33 | 1.01 | 1.01 |  |  |
|  |  |  |  |  |  |  |  |  |  |
| SH-55 | Beacon Light to Floating Feather | 0.99 | 64.80 | 64.26 | 76.62 | 0.84 | 1.18 | 1.53 | 1.09 |
| SH-55 | Floating Feather to Hill Rd. | 0.89 | 58.45 | 66.14 | 59.65 | 1.11 | 1.02 |  |  |
| SH-55 | Hill Rd. to Hwy 44 | 0.62 | 40.32 | 65.29 | 44.18 | 1.48 | 1.10 |  |  |
| SH-55 | Hwy 44 to Chinden | 1.91 | 129.51 | 180.63 | 138.01 | 1.31 | 1.07 |  |  |
| SH-55 | Chinden to McMillan | 1.01 | 66.04 | 126.24 | 67.91 | 1.86 | 1.03 |  |  |
| SH-55 | McMillan to Ustick | 1.01 | 66.17 | 115.57 | 67.09 | 1.72 | 1.01 |  |  |
| SH-55 | Ustick to Fairview | 0.98 | 68.42 | 139.35 | 68.47 | 2.04 | 1.00 |  |  |
| SH-55 | Fairview to Franklin | 1.00 | 72.14 | 153.01 | 78.30 | 1.95 | 1.09 |  |  |
| SH-55 | Franklin to St. Lukes Ln. | 0.25 | 18.00 | 33.72 | 20.43 | 1.65 | 1.14 |  |  |
| SH-55 | St. Lukes Ln. to I-84 EB Ramps | 0.42 | 30.46 | 80.63 | 50.42 | 1.60 | 1.66 |  |  |
|  |  |  |  |  |  |  |  |  |  |
| SH-69 | I-84 WB Ramps to I-84 EB Ramps | 0.17 | 17.07 | 22.45 | 17.19 | 1.31 | 1.01 | 1.07 | 1.03 |
| SH-69 | I-84 EB Ramps to Overland Rd. | 0.13 | 11.54 | 32.75 | 15.24 | 2.15 | 1.32 |  |  |
| SH-69 | Overland Rd. to Victory Rd. | 1.01 | 69.48 | 75.14 | 72.25 | 1.04 | 1.04 |  |  |
| SH-69 | Victory Rd. to Amity Rd. | 1.01 | 66.04 | 85.97 | 66.46 | 1.29 | 1.01 |  |  |
| SH-69 | Amity Rd. to Lake Hazel Rd. | 1.01 | 66.04 | 71.28 | 66.51 | 1.07 | 1.01 |  |  |
| SH-69 | Lake Hazel Rd. to Columbia Rd. | 1.00 | 65.59 | 64.24 | 66.20 | 0.97 | 1.01 |  |  |
| SH-69 | Columbia Rd. to Hubbard Rd. | 1.01 | 66.04 | 64.43 | 66.57 | 0.97 | 1.01 |  |  |
| SH-69 | Hubbard Rd. to Deer Flat Rd. | 0.99 | 65.00 | 65.02 | 66.21 | 0.98 | 1.02 |  |  |
| SH-69 | Deer Flat Rd. to Kuna Rd. | 0.98 | 64.08 | 66.57 | 67.96 | 0.98 | 1.06 |  |  |
|  |  |  |  |  |  |  |  |  |  |
| State St. | 15th St. to 18th St. | 0.24 | 28.68 | 70.02 | 44.58 | 1.57 | 1.55 | 1.33 | 1.09 |
| State St. | 18th St. to 27th St | 0.66 | 74.54 | 107.65 | 81.44 | 1.32 | 1.09 |  |  |
| State St. | 27th St to Veterans Parkway | 0.93 | 95.35 | 152.39 | 98.96 | 1.54 | 1.04 |  |  |
| State St. | Veterans Parkway to Collister | 0.91 | 93.81 | 102.64 | 96.81 | 1.06 | 1.03 |  |  |
| State St. | Collister to Pierce Park | 1.32 | 105.84 | 140.83 | 113.33 | 1.24 | 1.07 |  |  |
| State St. | Pierce Park to Glenwood | 0.69 | 54.96 | 89.51 | 59.90 | 1.49 | 1.09 |  |  |


| US-20/26 | I-84 EB Ramps to Federal Way | 0.69 | 60.21 | 59.91 | 60.76 | 0.99 | 1.01 | 1.24 | 1.07 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| US-20/26 | Federal Way to Boise Ave. | 1.07 | 110.06 | 164.45 | 115.89 | 1.42 | 1.05 |  |  |
| US-20/26 | Boise Ave. to Beacon | 0.55 | 56.67 | 70.66 | 65.58 | 1.08 | 1.16 |  |  |
| US-20/26 | Beacon to Broadway/Myrtle | 0.51 | 52.46 | 67.13 | 57.60 | 1.17 | 1.10 |  |  |
| US-20/26 | Myrtle to Front | 0.14 | 14.19 | 47.29 | 21.04 | 2.25 | 1.48 |  |  |
| US-20/26 | Front/Broadway to Capitol Blvd. | 0.65 | 66.65 | 103.27 | 86.88 | 1.19 | 1.30 |  |  |
| US-20/26 | Capitol Blvd. to 9th | 0.14 | 14.81 | 18.44 | 15.77 | 1.17 | 1.06 |  |  |
| US-20/26 | 9th to 13th | 0.29 | 29.62 | 47.82 | 29.67 | 1.61 | 1.00 |  |  |
| US-20/26 | 13th. to Main St. | 1.26 | 96.77 | 98.05 | 95.95 | 1.02 | 0.99 |  |  |
| US-20/26 | Main St. to 36th | 0.48 | 49.58 | 75.58 | 50.42 | 1.50 | 1.02 |  |  |
| US-20/26 | 36th to Veterans Pkwy. | 0.65 | 66.65 | 97.36 | 78.25 | 1.24 | 1.17 |  |  |
| US-20/26 | Veterans Pkwy. to Glenwood | 1.96 | 201.09 | 225.51 | 208.41 | 1.08 | 1.04 |  |  |
| US-20/26 | Glenwood to Garrett | 1.09 | 98.07 | 121.03 | 101.64 | 1.19 | 1.04 |  |  |
| US-20/26 | Garrett to Cloverdale Rd. | 1.84 | 123.07 | 167.97 | 130.42 | 1.29 | 1.06 |  |  |
| US-20/26 | Cloverdale Rd. to Eagle Rd. | 1.00 | 65.52 | 80.73 | 76.99 | 1.05 | 1.18 |  |  |
| US-20/26 | Eagle Rd. to Linder | 2.97 | 194.47 | 287.59 | 203.07 | 1.42 | 1.04 |  |  |
|  |  |  |  |  |  |  |  |  |  |
| US-20/26 | Linder to Ten Mile Rd. | 1.00 | 65.13 | 71.83 | 66.20 | 1.09 | 1.02 | 1.09 | 1.01 |
| US-20/26 | Ten Mile Rd. to Black Cat Rd. | 1.00 | 65.52 | 69.94 | 65.54 | 1.07 | 1.00 |  |  |
| US-20/26 | Black Cat Rd. to McDermitt Rd. | 0.99 | 64.67 | 63.89 | 64.82 | 0.99 | 1.00 |  |  |
| US-20/26 | McDermitt Rd. to Star Rd. | 1.01 | 65.91 | 90.99 | 66.93 | 1.36 | 1.02 |  |  |
| US-20/26 | Star Rd. to Can-Ada Rd. | 0.98 | 63.95 | 67.79 | 64.41 | 1.05 | 1.01 |  |  |
| US-20/26 | Can-Ada Rd. to 11th Ave. N Ext. | 1.02 | 66.44 | 65.38 | 66.46 | 0.98 | 1.00 |  |  |
|  |  |  |  |  |  |  |  |  |  |
| Vista / Capitol / 9th | Main St. to State St. | 0.39 | 39.70 | 54.49 | 66.84 | 0.82 | 1.68 | 1.32 | 1.21 |
| Vista / Capitol / 9th | Myrtle St. to Main St. | 0.10 | 10.29 | 47.57 | 18.43 | 2.58 | 1.79 |  |  |
| Vista / Capitol / 9th | University Dr. to Myrtle St. | 0.50 | 51.84 | 76.13 | 67.03 | 1.14 | 1.29 |  |  |
| Vista / Capitol / 9th | Eastover Rd. to University Dr. | 0.29 | 30.03 | 37.79 | 35.32 | 1.07 | 1.18 |  |  |
| Vista / Capitol / 9th | Eastover Rd. to Kootenai St. | 0.61 | 62.23 | 101.84 | 62.95 | 1.62 | 1.01 |  |  |
| Vista / Capitol / 9th | Kootenai St. to Vista Ave/Overland Rd | 0.24 | 24.69 | 33.15 | 38.88 | 0.85 | 1.57 |  |  |
| Vista / Capitol / 9th | Overland Rd. to Targee St. | 0.49 | 50.40 | 61.12 | 55.47 | 1.10 | 1.10 |  |  |
| Vista / Capitol / 9th | Targee St. to Canal St. | 0.37 | 38.06 | 46.97 | 38.92 | 1.21 | 1.02 |  |  |
| Vista / Capitol / 9th | Canal St. to I-84 EB Ramps | 0.48 | 49.37 | 94.97 | 51.63 | 1.84 | 1.05 |  |  |
| Vista / Capitol / 9th | I-84 EB Ramps to Wright St. | 0.08 | 8.02 | 11.81 | 5.74 | 2.06 | 0.72 |  |  |

Table A-4: Descending Data - Nampa Urbanized Area

| Descending Travel Time Data for the Nampa Urbanized Area, 2004 |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Name | Description | Distance | $\begin{array}{\|r\|} \hline 2004 \\ \text { Theoretic } \\ \text { Time } \\ \hline \end{array}$ | $\begin{array}{r} 2004 \\ \text { Congested } \\ \text { Time } \end{array}$ | 2004 <br> Ideal <br> Time | 2004 SI | $\begin{array}{r} 2004 \text { SI } \\ \text { Prime } \end{array}$ | $\begin{array}{r} 2004 \mathrm{SI} \\ \text { Average } \end{array}$ |  |
| 10th Ave. | I-84 WB Ramps to Chicago St. | 0.32 | 32.40 | 55.16 | 41.32 | 1.34 | 1.28 | 0.96 | 1.91 |
| 10th Ave. | Chicago St. to Cleveland Blvd. | 0.43 | 43.92 | 71.03 | 104.26 | 0.68 | 2.37 |  |  |
|  |  |  |  |  |  |  |  |  |  |
| 21st Ave. | I-84 EB Ramps to Franklin Rd. | 0.17 | 17.90 | 25.76 | 25.60 | 1.01 | 1.43 | 1.16 | 1.27 |
| 21st Ave. | Franklin Rd. to Chicago St. | 0.32 | 32.71 | 42.73 | 34.87 | 1.23 | 1.07 |  |  |
| 21st Ave. | Chicago St. to Cleveland Blvd. | 0.43 | 51.24 | 81.68 | 69.47 | 1.18 | 1.36 |  |  |
|  |  |  |  |  |  |  |  |  |  |
| Airport Rd. | Happy Valley Rd. to Garrity Blvd. | 1.03 | 106.15 | 138.70 | 129.76 | 1.07 | 1.22 | 1.07 | 1.22 |
|  |  |  |  |  |  |  |  |  |  |
| Franklin Blvd. | I-84 WB Ramps to 11th Ave. N | 0.94 | 85.26 | 120.01 | 97.19 | 1.23 | 1.14 | 1.23 | 1.14 |
|  |  |  |  |  |  |  |  |  |  |
| I-84 | Franklin Blvd. to Nampa Blvd. | 1.02 | 56.55 | 55.60 | 56.55 | 0.98 | 1.00 | 1.00 | 1.00 |
| I-84 | Nampa Blvd. to US-20/26 | 6.31 | 349.70 | 342.33 | 349.70 | 0.98 | 1.00 |  |  |
| I-84 | US-20/26 to 10th St. | 1.03 | 57.05 | 60.41 | 57.05 | 1.06 | 1.00 |  |  |
| I-84 | 10th St. to IB-84 | 0.90 | 49.68 | 48.24 | 49.68 | 0.97 | 1.00 |  |  |
| I-84 | IB-84 to US 20/26 | 0.73 | 40.38 | 43.95 | 40.38 | 1.09 | 1.00 |  |  |
| I-84 | US 20/26 to Hwy 44 | 1.16 | 63.97 | 66.63 | 63.97 | 1.04 | 1.00 |  |  |
|  |  |  |  |  |  |  |  |  |  |
| I-84 | Ten Mile Rd. to Garrity IC | 4.06 | 224.58 | 230.24 | 225.62 | 1.02 | 1.00 | 1.02 | 1.01 |
| I-84 | Garrity IC to Franklin Blvd. | 1.96 | 108.55 | 113.63 | 110.31 | 1.03 | 1.02 |  |  |
|  |  |  |  |  |  |  |  |  |  |
| IB-84 | Homedale Rd. to Ustick | 1.47 | 117.28 | 148.50 | 115.69 | 1.28 | 0.99 | 1.18 | 1.03 |
| IB-84 | Ustick to Linden | 1.44 | 118.56 | 150.03 | 120.53 | 1.24 | 1.02 |  |  |
| IB-84 | Linden to End Raised Median | 0.69 | 71.38 | 85.85 | 76.65 | 1.12 | 1.07 |  |  |
| IB-84 | Begin Raised Median to 21st | 0.69 | 71.38 | 85.85 | 76.65 | 1.12 | 1.07 |  |  |
| IB-84 | 21st to 18th | 0.22 | 22.73 | 24.79 | 24.04 | 1.03 | 1.06 |  |  |
| IB-84 | 18th to 10th | 0.58 | 64.41 | 84.38 | 73.33 | 1.15 | 1.14 |  |  |
| IB-84 | 10th to Kimball | 0.14 | 20.38 | 21.38 | 22.82 | 0.94 | 1.12 |  |  |
| IB-84 | Kimball to Blaine/Simplot Blvd. | 0.48 | 76.15 | 69.39 | 75.13 | 0.92 | 0.99 |  |  |


| IB-84 | I-84 WB Ramps to Flamingo | 0.30 | 23.76 | 55.44 | 28.29 | 1.96 | 1.19 | 1.16 | 1.18 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| IB-84 | Flamingo to 16th | 1.65 | 149.55 | 158.04 | 150.42 | 1.05 | 1.01 |  |  |
| IB-84 | 16th to Garrity/Franklin | 0.33 | 33.53 | 66.64 | 43.15 | 1.54 | 1.29 |  |  |
| IB-84 | Garrity/Franklin to 11th/3rd | 0.86 | 104.48 | 123.12 | 113.46 | 1.09 | 1.09 |  |  |
| IB-84 | 11th/2nd to 7th Ave. | 0.29 | 34.14 | 35.38 | 45.56 | 0.78 | 1.33 |  |  |
| IB-84 | 7th Ave. to Hwy 55 | 0.47 | 48.55 | 92.48 | 104.51 | 0.88 | 2.15 |  |  |
| IB-84 | Hwy 55 to Canyon St. | 0.26 | 27.15 | 34.55 | 70.62 | 0.49 | 2.60 |  |  |
| IB-84 | Canyon St. to Midland | 1.05 | 107.59 | 136.74 | 115.38 | 1.19 | 1.07 |  |  |
| IB-84 | Midland to Karcher Rd. | 0.64 | 66.24 | 101.79 | 66.82 | 1.52 | 1.01 |  |  |
| IB-84 | Karcher Rd. to Middleton Rd. | 0.74 | 76.53 | 98.98 | 76.76 | 1.29 | 1.00 |  |  |
| IB-84 | Middleton Rd. to Homedale Rd. | 0.73 | 63.03 | 63.77 | 60.04 | 1.06 | 0.95 |  |  |
|  |  |  |  |  |  |  |  |  |  |
| Middleton Rd. | Jct SH-44 to Ctr Boise Rv. Br. | 0.74 | 106.56 | 0.00 | 105.63 | 0.00 | 0.99 | 1.08 | 1.00 |
| Middleton Rd. | Ctr Boise Rv. Br. to Lincoln St. W. | 1.37 | 129.60 | 0.00 | 125.42 | 0.00 | 0.97 |  |  |
| Middleton Rd. | Lincoln St. W. to US-20/26 | 1.03 | 74.16 | 94.18 | 77.03 | 1.22 | 1.04 |  |  |
| Middleton Rd. | US-20/26 to Linden Rd. | 1.03 | 74.45 | 82.99 | 76.54 | 1.08 | 1.03 |  |  |
| Middleton Rd. | Linden Rd. to Ustick Rd. | 1.03 | 73.87 | 72.24 | 72.86 | 0.99 | 0.99 |  |  |
| Middleton Rd. | Ustick Rd. to Center I-84 Overpass | 0.83 | 65.93 | 63.18 | 64.20 | 0.98 | 0.97 |  |  |
|  |  |  |  |  |  |  |  |  |  |
| SH-19/IB-84 | I-84 WB Ramps to Chicago | 0.52 | 44.75 | 45.15 | 51.02 | 0.89 | 1.14 | 0.97 | 1.17 |
| SH-19/IB-84 | Chicago to Blaine | 0.28 | 44.02 | 45.34 | 47.45 | 0.96 | 1.08 |  |  |
| SH-19/IB-84 | Blaine/Simplot Blvd. to Paynter | 0.11 | 11.21 | 0.00 | 19.49 | 0.00 | 1.74 |  |  |
| SH-19/IB-84 | Paynter to Farmway | 0.75 | 62.60 | 69.53 | 82.40 | 0.84 | 1.32 |  |  |
| SH-19/IB-84 | Farmway to Simplot Exit \#3 | 1.01 | 66.18 | 75.88 | 68.74 | 1.10 | 1.04 |  |  |
|  |  |  |  |  |  |  |  |  |  |
| SH-44 | Kingsbury Rd. to Lansing Lane | 1.03 | 67.55 | 67.73 | 68.25 | 0.99 | 1.01 | 1.05 | 1.02 |
| SH-44 | Lansing Lane to Duff Lane | 1.01 | 66.11 | 67.16 | 66.55 | 1.01 | 1.01 |  |  |
| SH-44 | Duff Lane to Marjorie Ave. | 0.77 | 52.42 | 54.34 | 54.18 | 1.00 | 1.03 |  |  |
| SH-44 | Marjorie Ave. to Middleton Rd. | 0.53 | 45.51 | 48.10 | 49.33 | 0.98 | 1.08 |  |  |
| SH-44 | Middleton Rd. to Cemetery Rd. | 0.73 | 94.73 | 109.16 | 99.65 | 1.10 | 1.05 |  |  |
| SH-44 | Cemetery Rd. to Emmett Rd. | 1.03 | 75.36 | 79.85 | 76.91 | 1.04 | 1.02 |  |  |
| SH-44 | Emmett Rd. to Old Hwy 30 | 2.14 | 142.00 | 160.19 | 140.55 | 1.14 | 0.99 |  |  |
| SH-44 | Old Hwy 30 to I-84 EB ramps | 0.25 | 25.92 | 25.87 | 25.70 | 1.01 | 0.99 |  |  |


| SH-45 | 11th Ave./3rd St. to 12th Ave./3rd St. | 0.07 | 5.60 | 13.16 | 11.57 | 1.14 | 2.07 | 1.26 | 1.04 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| SH-45 | 3rd to 7th | 0.29 | 32.79 | 67.23 | 30.05 | 2.24 | 0.92 |  |  |
| SH-45 | 7th to Lake Lowell Ave. | 1.03 | 105.94 | 131.28 | 111.09 | 1.18 | 1.05 |  |  |
| SH-45 | Lake Lowell Ave. to Iowa | 0.56 | 57.29 | 57.28 | 57.90 | 0.99 | 1.01 |  |  |
| SH-45 | Iowa to Greenhurst | 0.44 | 45.57 | 89.78 | 51.20 | 1.75 | 1.12 |  |  |
| SH-45 | Greenhurst to Ruth Ln. | 1.55 | 133.75 | 145.84 | 133.58 | 1.09 | 1.00 |  |  |
|  |  |  |  |  |  |  |  |  |  |
| SH-55 | I-84 WB Ramps to 6th St. N | 0.25 | 19.84 | 38.78 | 23.80 | 1.63 | 1.20 | 1.29 | 1.15 |
| SH-55 | 6th St. N to 1st St. N | 0.53 | 42.96 | 47.85 | 42.99 | 1.11 | 1.00 |  |  |
| SH-55 | 1st St. N to 3rd St. S | 0.38 | 39.19 | 68.55 | 51.97 | 1.32 | 1.33 |  |  |
|  |  |  |  |  |  |  |  |  |  |
| US-20/26 | 11th Ave. N Ext. to Franklin Rd. | 1.02 | 66.57 | 65.44 | 66.80 | 0.98 | 1.00 | 1.14 | 1.06 |
| US-20/26 | Franklin Rd. to Northside Blvd. | 1.01 | 65.85 | 64.87 | 66.07 | 0.98 | 1.00 |  |  |
| US-20/26 | Northside Blvd. to Midland Blvd. | 1.00 | 65.19 | 64.13 | 65.38 | 0.98 | 1.00 |  |  |
| US-20/26 | Midland Blvd. to Middleton Rd. | 1.00 | 65.59 | 98.00 | 65.30 | 1.50 | 1.00 |  |  |
| US-20/26 | Middleton Rd. to KCID Rd. | 0.99 | 64.87 | 71.75 | 65.35 | 1.10 | 1.01 |  |  |
| US-20/26 | KCID Rd. to Muller Rd. | 1.08 | 77.87 | 78.86 | 79.20 | 1.00 | 1.02 |  |  |
| US-20/26 | Muller Rd. to I-84 WB ramps | 0.20 | 20.67 | 79.94 | 32.93 | 2.43 | 1.59 |  |  |
| US-20/26 | I-84 WB ramps to I-84 EB off ramp | 0.18 | 18.31 | 60.86 | 42.28 | 1.44 | 2.31 |  |  |
|  |  |  |  |  |  |  |  |  |  |
| Ustick Rd. | Middleton Rd to RR Crossing | 1.28 | 106.92 | 144.75 | 107.96 | 1.34 | 1.01 | 1.09 | 1.12 |
| Ustick Rd. | RR Crossing to Caldwell Blvd | 0.35 | 35.49 | 62.85 | 55.75 | 1.13 | 1.57 |  |  |
| Ustick Rd. | Caldwell Blvd to Lake Ave | 0.40 | 41.14 | 51.06 | 48.46 | 1.05 | 1.18 |  |  |
| Ustick Rd. | Lake Ave to Indiana Ave | 1.01 | 103.68 | 106.43 | 112.65 | 0.94 | 1.09 |  |  |
| Ustick Rd. | Indiana Ave to 10th Ave. | 1.00 | 103.17 | 113.59 | 112.42 | 1.01 | 1.09 |  |  |
| Ustick Rd. | 10th Ave. to Kimball | 0.25 | 25.82 | 27.01 | 29.06 | 0.93 | 1.13 |  |  |
| Ustick Rd. | Kimball to Farmway Rd | 0.71 | 72.51 | 84.20 | 84.20 | 1.00 | 1.16 |  |  |

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