Alaska Department of Transportation and Public Facilities

Southeast Region 2007 Traffic and Safety Report

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Alaska Department of Transportation and Public Facilities Southeast Region

2007 Traffic and Safety Report

Prepared and Submitted by
David Epstein, P.E.
and
Chris Dionisio
Southeast Regional Traffic and Safety Section

STATE OF ALASKA
49th
David Bruce Epstein
CE-6866
REGISTERED PROFESSIONAL ENGINEER

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Introduction

The Traffic and Safety Section conducts studies of traffic characteristics and investigates the operation and management of roadway facilities in order to provide for the safe, convenient and efficient movement of people and goods. These studies help to determine ways to meet the transportation needs of Southeast Alaska Communities.

Traffic and safety data was collected and analyzed for those roadways that provide a key community link and had significant amounts of vehicular volume. The State of Alaska maintains the majority of these roads and highways. Although this report is for 2007, data from other years is included where appropriate. Traffic and safety information is provided in four sections:

I. SAFETY

A. Intersection Crash Rate Ranking
B. Rural Highway Crash Rate Ranking

II. QUALITY OF OPERATION

A. Quality of Operation at Signalized Intersections
B. Quality of Operation at Unsignalized Intersections
C. Quality of Operation at Roundabouts

III. VEHICLE CLASSIFICATION

IV. TRAFFIC VOLUME

A. Historical Population Growth Rates
B. Permanent Traffic Recorder Data
C. Annual Average Daily Traffic Maps

I. SAFETY SECTION

A. Intersection Crash Rate Ranking

The intersection crash rate ranking was derived from Highway Analysis System (HAS), the State of Alaska's computerized traffic crash database. This report covers crashes that occurred during a five-year period from January 1st, 2003 – December 31st, 2007. All crashes within 0.05 miles of the center of an intersection were counted as intersection crashes. Because there are over a thousand intersections in the Southeast Region, this report only analyzes intersections with ten or more crashes in a five year period or five or more crashes if one was a fatal crash. *Note: The North Tongass Highway – Sunset Drive intersection was also included because the intersection experienced one fatal crash.*

When highway improvements are being considered on the basis of crash history, it is prudent to verify and supplement computer generated data, such as the tables contained in this section, with copies of the actual crash reports.

In addition, two types of crash rates were computed, weighted and unweighted. Weighted rates are calculated using crash severity. The weighted rates are used to identify locations with more serious crashes. However, these locations are more likely to change from one year to the next because they can be heavily influenced by random severe crashes, especially on low volume roads typical of this region. Unweighted rates fluctuate less and provide a better indication of crash patterns.

To compute weighted rates, crash weights are taken from the statewide Highway Safety Improvement Program (HSIP). The following weights were assigned to each crash type:

Property damage only (PDO):	**1**
Minor (non-disabling) injury:	**10**
Major (disabling) injury:	**50**
Fatality:	**100**

Crash rates are computed by crashes (weighted or unweighted) per million vehicles entering an intersection. The formulas used to compute the intersection crash rates are as follows:

Unweighted rate: $\frac{\text{(Total crashes in five years)}}{[(\text{ADT Leg 1} + \text{ADT Leg 2} \ldots\ldots \text{ADT Leg 4}) \times \text{five years})]/\text{MV}}$

Weighted rate: $\frac{\text{(Weighted crash number for five years)}}{[(\text{ADT Leg 1} + \text{ADT Leg 2} \ldots\ldots \text{ADT Leg 4}) \times \text{five years})]/\text{MV}}$

Where:
ADT = average daily traffic
MV = million vehicles
Weighted crash number =[(the number of PDO crashes)x**1**]+[(the number of minor crashes)x**10**]+[(the number of major crashes)x**50**]+[(the number of fatal crashes)x**100**]

The basis for determining the crash rate is as follows. Individual ADT's from each leg (either three or four legs) of that intersection is totaled and then divided by two. This accounts for counting each vehicle twice: once when entering the intersection and again when leaving. The entering ADT is then multiplied by one year (365 days) times the reporting period (five years). Crashes are rare events and the calculated crash rate is usually a very small fraction. Therefore, for ease in writing, the rate is multipied by one million and expressed as crashes per million vehicles.

Unreported crashes are the final factor in crash rate analysis. Policing agencies usually only investigate injury crashes or property damage crashes above a certain dollar amount. Many minor "fender bender" crashes go unreported. Also, many drivers do not want agencies to discover that a crash has occurred for fear that they will lose their license or have their insurance rates increased. Furthermore, when the reportable property damage amount is raised, the apparent effect is a reduction in traffic crashes rather than a change in reporting procedures. Therefore, one should be cautious about the differences between crash rates for different years.

Five tables follow; each ranked by different criteria. **Table 1** ranks the crashes by total number of crashes without regard to traffic volumes. **Tables 2 and 3** rank intersections by an unweighted and a weighted rate. **Tables 4 and 5** are sorted by city, then ranked by an unweighted and a weighted rate.

Table 1: Southeast Region Intersection Crashes

Ranked by 5-Year Total Number of Crashes (2003-2007)

(not including intersections with fewer than 10 crashes or 1 fatality in 5 years)

Rank	City	Major Street (CDS #)	Intersection	Vehicle Crashes				
				PDO	Minor Injuries	Major Injuries	Fatality	Total
1	Juneau	296000	Egan - Loop	35	27	1	0	63
2	Juneau	296229	Egan - Vanderbilt	31	26	2	0	59
3	Juneau	296000	Egan - Salmon Creek	33	26	0	0	59
4	Juneau	296000	Egan - 10th St	31	15	0	0	46
5	Juneau	296000	Egan - McNugget	27	19	0	0	46
6	Juneau	296331	Glacier - Old Dairy -Trout	21	12	1	0	34
7	Juneau	296000	Egan - Yandukin	19	10	3	0	32
8	Juneau	296000	Egan - Sunny Point	13	14	2	0	29
9	Juneau	296000	Egan- Highland	17	11	0	0	28
10	Juneau	296400	Loop - Stephen Richards	9	12	3	2	26
11	Juneau	296500	Riverside - Vintage	18	5	1	0	24
12	Sitka	295500	Sawmill Ck Rd Halibut Pt - Lake	19	5	0	0	24
13	Ketchikan	291400	S Tongass - Jefferson	13	5	3	0	21
14	Juneau	296400	Loop - Mendenhall - Valley	13	7	1	0	21
15	Juneau	296000	Egan - Riverside	18	3	0	0	21
16	Juneau	296000	Egan - Willoughby	9	9	1	0	19
17	Ketchikan	291500	N Tongass - Heckman	11	7	0	0	18
18	Juneau	296016	Glacier - 10th St	10	6	0	0	16
19	Juneau	296331	Glacier - Jordan	8	6	1	0	15
20	Sitka	295505	Lake - Lincoln	13	2	0	0	15
21	Ketchikan	291400	S Tongass - Washington	10	3	1	0	14
22	Sitka	295400	Halibut Pt Rd - Peterson	8	6	0	0	14
23	Juneau	296331	Glacier - Shell Simmons	9	5	0	0	14
24	Juneau	296229	Glacier - Anka	8	3	1	1	13
25	Juneau	296000	Egan - 12th	8	4	1	0	13
26	Juneau	296000	Egan - Fritz Cove Rd	7	3	2	0	12
27	Juneau	296229	Glacier - Lemon Rd	3	9	0	0	12
28	Ketchikan	291400	S Tongass - Grant	9	3	0	0	12
29	Ketchikan	291415	Jefferson - 3rd Ave	7	3	1	0	11
30	Sitka	295460	Harbor Dr - Maksoutoff	6	5	0	0	11
31	Juneau	296400	Loop - Taku	4	4	2	0	10
32	Juneau	296000	Egan - Glacier North	8	1	1	0	10
33	Sitka	295500	Sawmill Ck Rd - Jarvis	10	0	0	0	10
34	Juneau	296000	Egan - Back Loop	3	7	0	0	10
35	Juneau	296110	Douglas Hwy - Cordova	5	3	0	1	9
36	Ketchikan	291500	N Tongass - Sunset	1	0	0	1	2

Table 2: Southeast Region Intersection Crash Rate Ranking

Ranked by 5-Year Weighted Crash Rate (2003-2007)

(not including intersections with fewer than 10 crashes or at least 1 fatality in 5 years)

Rank	City	Major Street (CDS #)	Intersection	Vehicle Crashes					Average No. of Crashes	AADT	5 Yr Unwtd Crash Rate	**5 Yr Wtd Crash Rate**
				PDO	Minor Injuries	Major Injuries	Fatality	Total				
1	Juneau	296400	Loop - Stephen Richards	9	12	3	2	26	5.2	16685	0.85	15.73
2	Juneau	296400	Loop - Taku	4	4	2	0	10	2	6961	0.79	11.34
3	Ketchikan	291500	N Tongass - Sunset	1	0	0	1	2	0.4	5424	0.20	10.20
4	Juneau	296229	Egan - Vanderbilt	31	26	2	0	59	11.8	26859	1.20	7.98
5	Juneau	296400	Loop - Mendenhall Blvd - Valley	13	7	1	0	21	4.2	9202	1.25	7.92
6	Juneau	296229	Glacier - Anka	8	3	1	1	13	2.6	13011	0.55	7.92
7	Juneau	296110	Douglas Hwy - Cordova	5	3	0	1	9	1.8	10992	0.45	6.73
8	Juneau	296000	Egan - Fritz Cove Rd	7	3	2	0	12	2.4	11188	0.59	6.71
9	Juneau	296331	Glacier - Old Dairy -Trout	21	12	1	0	34	6.8	16145	1.15	6.48
10	Ketchikan	291415	Jefferson - 3rd Ave	7	3	1	0	11	2.2	7891	0.76	6.04
11	Juneau	296000	Egan - Sunny Point	13	14	2	0	29	5.8	23045	0.69	6.02
12	Juneau	296000	Egan - Salmon Creek	33	26	0	0	59	11.8	27049	1.20	5.94
13	Juneau	296229	Glacier - Lemon Rd Connector	3	9	0	0	12	2.4	8875	0.74	5.74
14	Juneau	296000	Egan - Willoughby	9	9	1	0	19	3.8	14452	0.72	5.65
15	Juneau	296000	Egan - Loop	35	27	1	0	63	12.6	35532	0.97	5.47
16	Ketchikan	291400	S Tongass - Jefferson	13	5	3	0	21	4.2	22045	0.52	5.29
17	Juneau	296331	Glacier - Jordan	8	6	1	0	15	3	12946	0.63	4.99
18	Juneau	296000	Egan - Back Loop	3	7	0	0	10	2	8258	0.66	4.84
19	Juneau	296000	Egan - Yandukin	19	10	3	0	32	6.4	31174	0.56	4.73
20	Sitka	295460	Harbor Dr - Maksoutoff	6	5	0	0	11	2.2	7043	0.86	4.36
21	Juneau	296000	Egan - 10th St	31	15	0	0	46	9.2	26686	0.94	3.72
22	Juneau	296000	Egan - McNugget	27	19	0	0	46	9.2	32508	0.78	3.66
23	Juneau	296500	Riverside - Vintage	18	5	1	0	24	4.8	18236	0.72	3.55
24	Juneau	296000	Egan- Highland	17	11	0	0	28	5.6	21096	0.73	3.30
25	Sitka	295400	Halibut Pt Rd - Peterson	8	6	0	0	14	2.8	11379	0.67	3.27
26	Ketchikan	291500	N Tongass - Heckman	11	7	0	0	18	3.6	13772	0.72	3.22
27	Juneau	296016	Glacier - 10th St	10	6	0	0	16	3.2	12062	0.73	3.18
28	Sitka	295500	Sawmill Ck Rd - Halibut Pt - Lake	19	5	0	0	24	2.4	12086	1.09	3.13
29	Ketchikan	291400	S Tongass - Washington	10	3	1	0	14	2.8	18135	0.42	2.72
30	Juneau	296000	Egan - 12th	8	4	1	0	13	2.6	20535	0.35	2.61
31	Juneau	296331	Glacier - Shell Simmons	9	5	0	0	14	2.8	13128	0.58	2.46
32	Juneau	296000	Egan - Glacier North	8	1	1	0	10	2	15360	0.36	2.43
33	Sitka	295505	Lake - Lincoln	13	2	0	0	15	3	11000	0.75	1.64
34	Juneau	296000	Egan - Riverside	18	3	0	0	21	4.2	20709	0.56	1.27
35	Ketchikan	291400	S Tongass - Grant	9	3	0	0	12	2.4	18130	0.36	1.18
36	Sitka	295500	Sawmill Ck Rd - Jarvis	10	0	0	0	10	2	8002	0.68	0.68

Table 3: Southeast Region Intersection Crash Rate Ranking

Ranked by 5-Year Unweighted Crash Rate (2003-2007)

(not including intersections with fewer than 10 crashes or at least 1 fatality in 5 years)

Rank	City	Major Street (CDS #)	Intersection	Vehicle Crashes					Average No. of Crashes	AADT	**5 Yr Unwtd Crash Rate**	5 Yr Wtd Crash Rate
				PDO	Minor Injuries	Major Injuries	Fatality	Total				
1	Juneau	296400	Loop - Mendenhall Blvd - Valley	13	7	1	0	21	4.2	9202	1.25	7.92
2	Juneau	296229	Egan - Vanderbilt	31	26	2	0	59	11.8	26859	1.20	7.98
3	Juneau	296000	Egan - Salmon Creek	33	26	0	0	59	11.8	27049	1.20	5.94
4	Juneau	296331	Glacier - Old Dairy -Trout	21	12	1	0	34	6.8	16145	1.15	6.48
5	Sitka	295500	Sawmill Ck Rd - Halibut Pt - Lake	19	5	0	0	24	2.4	12086	1.09	3.13
6	Juneau	296000	Egan - Loop	35	27	1	0	63	12.6	35532	0.97	5.47
7	Juneau	296000	Egan - 10th St	31	15	0	0	46	9.2	26686	0.94	3.72
8	Sitka	295460	Harbor Dr - Maksoutoff	6	5	0	0	11	2.2	7043	0.86	4.36
9	Juneau	296400	Loop - Stephen Richards	9	12	3	2	26	5.2	16685	0.85	15.73
10	Juneau	296400	Loop - Taku	4	4	2	0	10	2	6961	0.79	11.34
11	Juneau	296000	Egan - McNugget	27	19	0	0	46	9.2	32508	0.78	3.66
12	Ketchikan	291415	Jefferson - 3rd Ave	7	3	1	0	11	2.2	7891	0.76	6.04
13	Sitka	295505	Lake - Lincoln	13	2	0	0	15	3	11000	0.75	1.64
14	Juneau	296229	Glacier - Lemon Rd Connector	3	9	0	0	12	2.4	8875	0.74	5.74
15	Juneau	296000	Egan- Highland	17	11	0	0	28	5.6	21096	0.73	3.30
16	Juneau	296016	Glacier - 10th St	10	6	0	0	16	3.2	12062	0.73	3.18
17	Juneau	296500	Riverside - Vintage	18	5	1	0	24	4.8	18236	0.72	3.55
18	Juneau	296000	Egan - Willoughby	9	9	1	0	19	3.8	14452	0.72	5.65
19	Ketchikan	291500	N Tongass - Heckman	11	7	0	0	18	3.6	13772	0.72	3.22
20	Juneau	296000	Egan - Sunny Point	13	14	2	0	29	5.8	23045	0.69	6.02
21	Sitka	295500	Sawmill Ck Rd - Jarvis	10	0	0	0	10	2	8002	0.68	0.68
22	Sitka	295400	Halibut Pt Rd - Peterson	8	6	0	0	14	2.8	11379	0.67	3.27
23	Juneau	296000	Egan - Back Loop	3	7	0	0	10	2	8258	0.66	4.84
24	Juneau	296331	Glacier - Jordan	8	6	1	0	15	3	12946	0.63	4.99
25	Juneau	296000	Egan - Fritz Cove Rd	7	3	2	0	12	2.4	11188	0.59	6.71
26	Juneau	296331	Glacier - Shell Simmons	9	5	0	0	14	2.8	13128	0.58	2.46
27	Juneau	296000	Egan - Yandukin	19	10	3	0	32	6.4	31174	0.56	4.73
28	Juneau	296000	Egan - Riverside	18	3	0	0	21	4.2	20709	0.56	1.27
29	Juneau	296229	Glacier - Anka	8	3	1	1	13	2.6	13011	0.55	7.92
30	Ketchikan	291400	S Tongass - Jefferson	13	5	3	0	21	4.2	22045	0.52	5.29
31	Juneau	296110	Douglas Hwy - Cordova	5	3	0	1	9	1.8	10992	0.45	6.73
32	Ketchikan	291400	S Tongass - Washington	10	3	1	0	14	2.8	18135	0.42	2.72
33	Ketchikan	291400	S Tongass - Grant	9	3	0	0	12	2.4	18130	0.36	1.18
34	Juneau	296000	Egan - Glacier North	8	1	1	0	10	2	15360	0.36	2.43
35	Juneau	296000	Egan - 12th	8	4	1	0	13	2.6	20535	0.35	2.61
36	Ketchikan	291500	N Tongass - Sunset	1	0	0	1	2	0.4	5424	0.20	10.20

Table 4: Southeast Region Intersection Crash Rate Ranking

Sorted by City: Ranked by 5-Year Weighted Crash Rate (2003-2007)

(not including intersections with fewer than 10 crashes or at least 1 fatality in 5 years)

Rank	City	Major Street (CDS #)	Intersection	Vehicle Crashes					Average No. of Crashes	AADT	5 Yr Unwtd Crash Rate	**5 Yr Wtd Crash Rate**
				PDO	Minor Injuries	Major Injuries	Fatality	Total				
1	Juneau	296400	Loop - Stephen Richards	9	12	3	2	26	5.2	16685	0.85	15.73
2	Juneau	296400	Loop - Taku	4	4	2	0	10	2	6961	0.79	11.34
3	Juneau	296229	Egan - Vanderbilt	31	26	2	0	59	11.8	26859	1.20	7.98
4	Juneau	296400	Loop - Mendenhall Blvd - Valley	13	7	1	0	21	4.2	9202	1.25	7.92
5	Juneau	296229	Glacier - Anka	8	3	1	1	13	2.6	13011	0.55	7.92
6	Juneau	296110	Douglas Hwy - Cordova	5	3	0	1	9	1.8	10992	0.45	6.73
7	Juneau	296000	Egan - Fritz Cove Rd	7	3	2	0	12	2.4	11188	0.59	6.71
8	Juneau	296331	Glacier - Old Dairy -Trout	21	12	1	0	34	6.8	16145	1.15	6.48
9	Juneau	296000	Egan - Sunny Point	13	14	2	0	29	5.8	23045	0.69	6.02
10	Juneau	296000	Egan - Salmon Creek	33	26	0	0	59	11.8	27049	1.20	5.94
11	Juneau	296229	Glacier - Lemon Rd Connector	3	9	0	0	12	2.4	8875	0.74	5.74
12	Juneau	296000	Egan - Willoughby	9	9	1	0	19	3.8	14452	0.72	5.65
13	Juneau	296000	Egan - Loop	35	27	1	0	63	12.6	35532	0.97	5.47
14	Juneau	296331	Glacier - Jordan	8	6	1	0	15	3	12946	0.63	4.99
15	Juneau	296000	Egan - Back Loop	3	7	0	0	10	2	8258	0.66	4.84
16	Juneau	296000	Egan - Yandukin	19	10	3	0	32	6.4	31174	0.56	4.73
17	Juneau	296000	Egan - 10th St	31	15	0	0	46	9.2	26686	0.94	3.72
18	Juneau	296000	Egan - McNugget	27	19	0	0	46	9.2	32508	0.78	3.66
19	Juneau	296500	Riverside - Vintage	18	5	1	0	24	4.8	18236	0.72	3.55
20	Juneau	296000	Egan- Highland	17	11	0	0	28	5.6	21096	0.73	3.30
21	Juneau	296016	Glacier - 10th St	10	6	0	0	16	3.2	12062	0.73	3.18
22	Juneau	296000	Egan - 12th	8	4	1	0	13	2.6	20535	0.35	2.61
23	Juneau	296331	Glacier - Shell Simmons	9	5	0	0	14	2.8	13128	0.58	2.46
24	Juneau	296000	Egan - Glacier North	8	1	1	0	10	2	15360	0.36	2.43
25	Juneau	296000	Egan - Riverside	18	3	0	0	21	4.2	20709	0.56	1.27
1	Ketchikan	291500	N Tongass - Sunset	1	0	0	1	2	0.4	5424	0.20	10.20
2	Ketchikan	291415	Jefferson - 3rd Ave	7	3	1	0	11	2.2	7891	0.76	6.04
3	Ketchikan	291400	S Tongass - Jefferson	13	5	3	0	21	4.2	22045	0.52	5.29
4	Ketchikan	291500	N Tongass - Heckman	11	7	0	0	18	3.6	13772	0.72	3.22
5	Ketchikan	291400	S Tongass - Washington	10	3	1	0	14	2.8	18135	0.42	2.72
6	Ketchikan	291400	S Tongass - Grant	9	3	0	0	12	2.4	18130	0.36	1.18
1	Sitka	295460	Harbor Dr - Maksoutoff	6	5	0	0	11	2.2	7043	0.86	4.36
2	Sitka	295400	Halibut Pt Rd - Peterson	8	6	0	0	14	2.8	11379	0.67	3.27
3	Sitka	295500	Sawmill Ck Rd - Halibut Pt - Lake	19	5	0	0	24	2.4	12086	1.09	3.13
4	Sitka	295505	Lake - Lincoln	13	2	0	0	15	3	11000	0.75	1.64
5	Sitka	295400	Halibut Pt Rd - Lake	10	2	0	0	12	2.4	12312	0.53	1.34
6	Sitka	295500	Sawmill Ck Rd - Jarvis	10	0	0	0	10	2	8002	0.68	0.68

Table 5: Southeast Region Intersection Crash Rate Ranking

Sorted by City: Ranked by 5-Year Unweighted Crash Rate (2003-2007)

(not including intersections with fewer than 10 crashes or at least 1 fatality in 5 years)

Rank	City	Major Street (CDS #)	Intersection	Vehicle Crashes					Average No. of Crashes	AADT	5 Yr Unwtd Crash Rate	5 Yr Wtd Crash Rate
				PDO	Minor Injuries	Major Injuries	Fatality	Total				
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2	Juneau	296229	Egan - Vanderbilt	31	26	2	0	59	11.8	26859	1.20	7.98
3	Juneau	296000	Egan - Salmon Creek	33	26	0	0	59	11.8	27049	1.20	5.94
4	Juneau	296331	Glacier - Old Dairy -Trout	21	12	1	0	34	6.8	16145	1.15	6.48
5	Juneau	296000	Egan - Loop	35	27	1	0	63	12.6	35532	0.97	5.47
6	Juneau	296000	Egan - 10th St	31	15	0	0	46	9.2	26686	0.94	3.72
7	Juneau	296400	Loop - Stephen Richards	9	12	3	2	26	5.2	16685	0.85	15.73
8	Juneau	296400	Loop - Taku	4	4	2	0	10	2	6961	0.79	11.34
9	Juneau	296000	Egan - McNugget	27	19	0	0	46	9.2	32508	0.78	3.66
10	Juneau	296229	Glacier - Lemon Rd Connector	3	9	0	0	12	2.4	8875	0.74	5.74
11	Juneau	296000	Egan- Highland	17	11	0	0	28	5.6	21096	0.73	3.30
12	Juneau	296016	Glacier - 10th St	10	6	0	0	16	3.2	12062	0.73	3.18
13	Juneau	296500	Riverside - Vintage	18	5	1	0	24	4.8	18236	0.72	3.55
14	Juneau	296000	Egan - Willoughby	9	9	1	0	19	3.8	14452	0.72	5.65
15	Juneau	296000	Egan - Sunny Point	13	14	2	0	29	5.8	23045	0.69	6.02
16	Juneau	296000	Egan - Back Loop	3	7	0	0	10	2	8258	0.66	4.84
17	Juneau	296331	Glacier - Jordan	8	6	1	0	15	3	12946	0.63	4.99
18	Juneau	296000	Egan - Fritz Cove Rd	7	3	2	0	12	2.4	11188	0.59	6.71
19	Juneau	296331	Glacier - Shell Simmons	9	5	0	0	14	2.8	13128	0.58	2.46
20	Juneau	296000	Egan - Yandukin	19	10	3	0	32	6.4	31174	0.56	4.73
21	Juneau	296000	Egan - Riverside	18	3	0	0	21	4.2	20709	0.56	1.27
22	Juneau	296229	Glacier - Anka	8	3	1	1	13	2.6	13011	0.55	7.92
23	Juneau	296110	Douglas Hwy - Cordova	5	3	0	1	9	1.8	10992	0.45	6.73
24	Juneau	296000	Egan - Glacier North	8	1	1	0	10	2	15360	0.36	2.43
25	Juneau	296000	Egan - 12th	8	4	1	0	13	2.6	20535	0.35	2.61
1	Ketchikan	291415	Jefferson - 3rd Ave	7	3	1	0	11	2.2	7891	0.76	6.04
2	Ketchikan	291500	N Tongass - Heckman	11	7	0	0	18	3.6	13772	0.72	3.22
3	Ketchikan	291400	S Tongass - Jefferson	13	5	3	0	21	4.2	22045	0.52	5.29
4	Ketchikan	291400	S Tongass - Washington	10	3	1	0	14	2.8	18135	0.42	2.72
5	Ketchikan	291400	S Tongass - Grant	9	3	0	0	12	2.4	18130	0.36	1.18
6	Ketchikan	291500	N Tongass - Sunset	1	0	0	1	2	0.4	5424	0.20	10.20
1	Sitka	295500	Sawmill Ck Rd - Halibut Pt - Lake	19	5	0	0	24	2.4	12086	1.09	3.13
2	Sitka	295460	Harbor Dr - Maksoutoff	6	5	0	0	11	2.2	7043	0.86	4.36
3	Sitka	295505	Lake - Lincoln	13	2	0	0	15	3	11000	0.75	1.64
4	Sitka	295500	Sawmill Ck Rd - Jarvis	10	0	0	0	10	2	8002	0.68	0.68
5	Sitka	295400	Halibut Pt Rd - Peterson	8	6	0	0	14	2.8	11379	0.67	3.27
6	Sitka	295400	Halibut Pt Rd - Lake	10	2	0	0	12	2.4	12312	0.53	1.34

B. Rural Highway Crash Rate Ranking

Rural highway crash rates reflect the frequency of non-intersection and non-urban highway crashes. Accordingly, only highway segments with few intersections were analyzed. Weighted and unweighted rates were computed for a five-year time period (January 1st 2003 through December 31st 2007).

Rates are given in crashes per million vehicle miles. Table 6 is ranked by an unweighted rate, and Table 7 is ranked by a weighted rate. The crash weighting factors are the same ones used to compute intersection crash rates.

The formulas used to compute the crash rates are as follows:

Unweighted rate: $\frac{\text{(Total crashes in five years)}}{\text{[(ADT x miles in highway segment x five years)]/MVM}}$

Weighted rate: $\frac{\text{(Weighted crash number for five years)}}{\text{[(ADT x miles in highway segment x five years)]/MVM}}$

Where:
ADT = average daily traffic
MVM = million vehicle miles
Weighted crash number =[(the number of PDO crashes)x**1**]+[(the number of minor crashes)x**10**]+[(the number of major crashes)x**50**]+[(the number of fatal crashes)x**100**]

The same words of caution described in the previous section, *Intersection Crash Rate Ranking*, are also appropriate here. Computer generated data such as these tables should be verified and supplemented by reviewing the actual police crash reports when analyzing specific locations. When researching crashes, one should be cautious about differences between crash rates for different years.

Table 6: Rural Road Vehicle Crash Rate Ranking

2003-2007

(Ranked by Unweighted Vehicle Crash Rate)

RANK	Community	Road Name and Segment Description	Total Crashes	Weighted Crash Number	Average ADT	Length in miles	**Unweighted Crash Rate ***	Weighted Crash Rate **
1	Juneau	Glacier Hwy. Herb. R.. - Echo	19	324	184	13.04	4.34	74.01
2	Prince of Wales	Hydaburg Rd: Jct. to Hydaburg	20	280	116	22.50	4.19	58.60
3	Ketchikan	N. Tongass. Knudson Cv.- End	10	77	358	3.74	4.09	31.47
4	Juneau	N. Douglas Hwy. Eaglecrest-End	14	77	370	6.07	3.41	18.77
5	Ketchikan	Revilla Rd (Ward Lake Rd.) - All	18	121	313	9.68	3.26	21.92
6	Skagway	Dyea Rd.: Observ. Pt. - Bridge	6	24	256	5.39	2.38	9.53
7	Prince of Wales	Craig/Kwk/Hollis: Hollis-Hyd.Rd.	10	77	235	10.46	2.23	17.16
8	Ketchikan	S. Tongass Herring Cv. - End	5	14	333	4.80	1.71	4.80
9	Juneau	Fish Creek Rd. -All	13	40	865	5.89	1.40	4.30
10	Haines	Hns Hwy: Airport-Klukwan	23	68	520	17.90	1.35	4.01
11	Juneau	Glacier Hwy: Cohen - Herbert R.	9	94	605	6.18	1.32	13.76
12	Wrangell	Zimovia Hwy: Mill - End	6	73	356	7.76	1.19	14.47
13	Prince of Wales	Thorne Bay Road: All	10	55	274	17.48	1.14	6.29
14	Haines	Hns Hwy: Klukwan-Mosquito	4	13	450	5.72	0.85	2.77
15	Haines	Mud Bay Rd. Small Tr- End	6	64	580	7.39	0.77	8.19
16	Yakutat	Airport Rd.	4	13	870	3.48	0.72	2.36
17	Haines	Lutak Rd: Ferry Term.- End	4	130	571	5.47	0.70	22.83
18	Prince of Wales	Big Salt Road:Airport - End	6	24	326	14.56	0.69	2.78
19	Yakutat	Lost River Rd	2	101	205	8.25	0.65	32.71
20	Haines	Haines/Lutak Rd: Haines - Ferry Term	4	71	940	3.65	0.64	11.33
21	Prince of Wales	Craig/Kwk/Hollis: Kwk.- Craig	10	171	1889	5.72	0.51	8.67
22	Juneau	Thane Rd. Rock Dump - End	9	134	2487	4.60	0.43	6.42
23	Skagway	Klondike Hwy. Dyea Rd-Bord.	4	71	421	12.38	0.42	7.46
24	Prince of Wales	Craig/Kwk/Hollis: Hyd.Rd.-Kwk.	4	13	461	12.87	0.37	1.20
25	Petersburg	Mitkof Hwy: Papke Ld. - End	2	2	145	22.39	0.34	0.34
26	Prince of Wales	Kasaan Road - All	2	2	274	17.87	0.22	0.22
27	Prince of Wales	North Prince of Wales Hwy	1	10	169	15.53	0.21	2.09
28	Haines	Hns Hwy: Mosquito-Border	1	10	287	13.02	0.15	1.46
29	Prince of Wales	North Prince of Wales Road	3	111	251	64.43	0.10	3.76
30	Yakutat	Dangerous River Rd.: All	0	0	74	29.47	0.00	0.00
31	Gustavus	Gustavus Air. Rd: Salmon R-End	0	0	619	4.04	0.00	0.00

* Crashes / Million Vehicle Miles

** Weighted Crash Number / Million Vehicle Miles

Table 7: Rural Road Vehicle Crash Rate Ranking

2003-2007

(Ranked by Weighted Vehicle Crash Rate)

RANK	Community	Road Name and Segment Description	Total Crashes	Weighted Crash Number	Average ADT	Length in miles	Unweighted Crash Rate *	**Weighted Crash Rate ****
1	Juneau	Glacier Hwy. Herb. R.. - Echo	19	324	184	13.04	4.34	74.01
2	Prince of Wales	Hydaburg Rd: Jct. to Hydaburg	20	280	116	22.50	4.19	58.60
3	Yakutat	Lost River Rd	2	101	205	8.25	0.65	32.71
4	Ketchikan	N. Tongass. Knudson Cv.- End	10	77	358	3.74	4.09	31.47
5	Haines	Lutak Rd: Ferry Term.- End	4	130	571	5.47	0.70	22.83
6	Ketchikan	Revilla Rd (Ward Lake Rd.) - All	18	121	313	9.68	3.26	21.92
7	Juneau	N. Douglas Hwy. Eaglecrest-End	14	77	370	6.07	3.41	18.77
8	Prince of Wales	Craig/Kwk/Hollis: Hollis-Hyd.Rd.	10	77	235	10.46	2.23	17.16
9	Wrangell	Zimovia Hwy: Mill - End	6	73	356	7.76	1.19	14.47
10	Juneau	Glacier Hwy: Cohen - Herbert R.	9	94	605	6.18	1.32	13.76
11	Haines	Haines/Lutak Rd: Haines - Ferry Term	4	71	940	3.65	0.64	11.33
12	Skagway	Dyea Rd.: Observ. Pt. - Bridge	6	24	256	5.39	2.38	9.53
13	Prince of Wales	Craig/Kwk/Hollis: Kwk.- Craig	10	171	1889	5.72	0.51	8.67
14	Haines	Mud Bay Rd. Small Tr- End	6	64	580	7.39	0.77	8.19
15	Skagway	Klondike Hwy. Dyea Rd-Bord.	4	71	421	12.38	0.42	7.46
16	Juneau	Thane Rd. Rock Dump - End	9	134	2487	4.60	0.43	6.42
17	Prince of Wales	Thorne Bay Road: All	10	55	274	17.48	1.14	6.29
18	Ketchikan	S. Tongass Herring Cv. - End	5	14	333	4.80	1.71	4.80
19	Juneau	Fish Creek Rd. -All	13	40	865	5.89	1.40	4.30
20	Haines	Hns Hwy: Airport-Klukwan	23	68	520	17.90	1.35	4.01
21	Prince of Wales	North Prince of Wales Road	3	111	251	64.43	0.10	3.76
22	Prince of Wales	Big Salt Road:Airport - End	6	24	326	14.56	0.69	2.78
23	Haines	Hns Hwy: Klukwan-Mosquito	4	13	450	5.72	0.85	2.77
24	Yakutat	Airport Rd.	4	13	870	3.48	0.72	2.36
25	Prince of Wales	North Prince of Wales Hwy	1	10	169	15.53	0.21	2.09
26	Haines	Hns Hwy: Mosquito-Border	1	10	287	13.02	0.15	1.46
27	Prince of Wales	Craig/Kwk/Hollis: Hyd.Rd.-Kwk.	4	13	461	12.87	0.37	1.20
28	Petersburg	Mitkof Hwy: Papke Ld. - End	2	2	145	22.39	0.34	0.34
29	Prince of Wales	Kasaan Road - All	2	2	274	17.87	0.22	0.22
30	Prince of Wales	Dangerous River Rd.: All	0	0	74	29.47	0.00	0.00
31	Gustavus	Gustavus Air. Rd: Salmon R-End	0	0	619	4.04	0.00	0.00

* Accidents / Million Vehicle Miles

** Weighted Crash Number / Million Vehicle Miles

II. QUALITY OF OPERATION SECTION

A. Quality of Operation at Signalized Intersections

Although it is desirable to analyze the quality of operation of all several hundred intersections within the region, DOT is unable to due to limited resources. Traffic signals generally control the busiest intersections. Therefore, monitoring signalized intersections provides a good measure of the effectiveness of the most important nodes in the region's highway network.

The quality of operation at signalized intersections is measured by determining the Level of Service (LOS) at each intersection. LOS is determined by counting the number of vehicles at an intersection during peak traffic hours and estimating delay using the signalized intersection analysis process as described in the 2000 federal standard, "*Highway Capacity Manual*" (*a publication of the Transportation Research Board).*

Six LOS are defined and are given letter designations, from A to F, with LOS A representing the best and LOS F the worst.

LOS is defined in terms of delay, which is a measure of driver discomfort and frustration, fuel consumption, and lost travel time. LOS ratings are defined as follows for signalized intersections:

Level of Service (LOS)	***Average stopped delay per vehicle (seconds)***	***Effect***
A	<=10.0	Most vehicles aren't stopped
B	10.1 to 20.0	Low delay
C	20.1 to 35.0	Significant number of stopped vehicles
D	35.1 to 55.0	Noticeable congestion - occasional cycle failure
E	55.1 to 80.0	Limit of acceptable delay - frequent cycle failure
F	> 80.0	Unacceptable delay

Table 8: Quality of Operation at Signalized Intersections

City	Intersection	Date of most recent count	Intersection						Comments
			AM Peak			PM Peak			
			Traffic Volume	Level of Service	Delay (Sec.)	Traffic Volume	Level of Service	Delay (Sec.)	
Juneau	Egan Drive/10th St	9/26/2006	2415	E	57.6	2948	D	49.4	
	Egan Drive/Loop Rd	8/1/2005	2808	D	55.0	3967	E	64.5	
	Egan Drive/Main St	11/13/2006	926	A	9.1	1263	B	12.2	
	Egan Drive/McNugget	8/14/2008	2644	C	21.8	3927	C	32.1	
	Egan Drive/Riverside	7/18/2003	1557	B	18.6	2227	B	17.8	
	Egan Drive/Salmon Ck	7/15/2003	2669	D	35.5	3369	C	26.9	
	Egan Drive/Vanderbilt	11/2/2007	2387	B	16.3	2543	C	23.4	
	Glacier Hwy/Jordan	7/25/2005	934	A	5.1	1241	A	9.5	
	Glacier Hwy/Shell Simmons	7/25/2005	914	A	6.1	1428	B	12.6	
	Lemon Rd/Anka	4/16/2008	1124	B	10.4	1669	B	13.4	
	Lemon Rd/Walmart	10/7/2008	814	B	15.4	1171	B	15.4	
	Loop Rd/Atlin	5/27/2004	1913	B	15.1	2540	C	23.3	
	Loop Rd/Mendenhall Blvd	7/19/2005	989	B	17.8	1446	B	16.2	
	Loop Rd/Stephen Richards	10/22/2008	1546	C	28.8	1894	C	22.2	
	Riverside Dr/Vintage	7/2/2003	1133	B	18.1	1848	C	23.7	
	Riverside Dr/Riverwood	10/16/2008	881	B	11.4	974	A	7.3	
Ketchikan	Carlanna Lake Rd./Tongass	6/18/2008	1163	B	14.5	1709	C	23.3	
	Front St/Dock	6/11/2003	979	A	6.6	1341	B	15.7	
	Tongass/Jefferson St	5/17/2007	1269	B	17.6	1732	C	22.8	
	Tongass/Walmart	5/20/2004	762	A	7.4	971	B	10.5	
	Tongass/Washington St	5/17/2007	1102	A	9.1	1546	B	12.8	
Sitka	Halibut Pt. Road/Katlian	6/19/2003	954	B	11.9	1436	C	20.7	
	Lake/Lincoln	6/7/2006	822	B	17.1	1092	B	14.5	

Note: Delay and Level of Service (LOS) were determined according to the 2000 Highway Capacity Manual.

B. Quality Of Operation at Unsignalized Intersections

There are different ways to measure quality of operation at unsignalized intersections, including direct delay measurement, capacity analysis, and signal warrant analysis. Signal warrant analysis has been used in this report because the data is readily available and it bears directly on the most common question asked about busy unsignalized intersections, "would that intersection work better with a signal?" The extent to which an intersection meets signal warrants is also indicative of its Level of Service. This section analyzes the region's busiest unsignalized and other selected principle intersections. This section includes stop and yield controlled intersections but does not include intersections with roundabouts, which is covered in Section C.

Determining whether intersections should be signalized is a two step process according to the *Manual on Uniform Traffic Control Devices* (MUTCD) published by the Federal Highway Administration. Intersections are first analyzed to see whether they meet any of the eight signal warrants defined in the MUTCD. If one of more of the warrants are met, an engineering study is performed to determine whether signalization will improve the overall intersection safety and/or operation. The MUTCD allows signals to be installed only if both steps yield positive results. Just because an intersection meets warrants does not mean it is the best treatment for an intersection.

Step one calculates signal warrants that are based on traffic volume, pedestrian volume, school crossings, crashes, signal coordination, or a combination of these warrants. Step one, determining whether warrants are met, is almost entirely a numerical process.

<u>Step two</u> is less determinate. Signals have both good and bad effects - as a general rule, they:

- Decrease peak hour side street delay
- Make peak hour entry from the side street less stressful
- Increase delay for main street traffic all day long
- Increase off-peak side street delay
- Facilitate pedestrian movement
- May have either a positive or negative effect on the number of crashes

The magnitude of these impacts depends to a large extent on traffic volume. The benefits of signalization are greater at higher traffic volumes while negative impacts are magnified at lower volumes. External factors such as spacing between adjacent intersections are also important to consider. All of these factors are weighed in determining whether a signal will improve intersection safety and operation.

This analysis is based on either two-hour or twelve hour volume counts. Warrants 1a, 1b, & 2 are analyzed with twelve hour data while warrant 3, the **peak hour** volume warrant, is analyzed with two hour data. The signal warrants analyzed in this report are those that are most commonly met. If other warrants are pertinent at a particular intersection, relevant information is included in the comments column.

The 8 signal warrants relate to the following issues:

Warrant 1:	Eight hour vehicular volume
Warrant 2:	Four hour vehicular volume
Warrant 3:	Peak hour volume
Warrant 4:	Pedestrian volume
Warrant 5:	School crossing
Warrant 6:	Coordinated signal system
Warrant 7:	Crash experience
Warrant 8:	Roadway Network (intersections of two or more major routes)

Of all the information in this report, signal warrant data is the easiest to misinterpret. It is important not to take the results of step one at face value without considering the practical questions raised by step two.

Table 9: Quality of Operation at Unsignalized Intersections

Intersection	Most recent count	Total Entering Volume Pk. Hour	MUTCD Signal Warrants (% of attainment) W1A	W1B	W2	W3	Comments
Juneau							
Back Loop/Montana Creek Rd PM	5/10/2008	489				27%	
Douglas/Cordova PM	4/16/2004	1056				38%	Poor signal location due to proximity to roundabout
Egan/12th (12 hr)	7/16/2002	2180		63%	25%	113%	Poor signal location, also entrance to Harris Harbor
Egan/8th Ave. PM	5/1/2008	1804				106%	Poor signal location due to alignment
Egan/9th Ave. PM	4/30/2008	1615				4%	
Egan/Aurora Harbor Entrance AM	8/19/2003	2186				21%	
Egan/Glacier Ave. Spur PM	10/2/2008	1581				39%	
Egan/Harbor Masters Entrance (12 hr)	4/4/2002	2369		13%		27%	Also entrance to the UAS Marine Tech Bldg.
Egan/Highland Dr. PM	10/9/2008	2412				62%	
Glacier/ Sunny Drive Access							New interchange. Need Count
Egan/Vintage PM	4/29/2008	1920				204%	Poor signal location due to alignment
Egan/Whittier PM	10/31/2007	1420				64%	Signal to be installed
Egan/Willoughby PM	11/8/2006	1261				208%	Poor signal location due to alignment
Egan/Yandukin PM	9/28/2000	3426				449%	Operation okay without signal. Traffic not delayed.
Glacier Ave/10th Ave PM	7/3/2003	1024				36%	
Glacier Ave/12th AM	10/1/2008	731				55%	
Glacier Ave/Highland AM	5/28/2002	680				33%	
Glacier Ave/Whittier PM	4/4/2002	528				18%	
Glacier/Fritz Cove PM	7/20/2005	1168				27%	
Glacier/Glacier Hwy. North PM	8/12/2003	1169				64%	
Glacier/Industrial PM	7/21/2005	1593				389%	Operation okay without signal.
Glacier/Hospital PM	10/17/2001	611				69%	
Glacier/Old Dairy/Trout Noon	7/2/2008	1653				91%	Poor signal location
Lemon Rd. (Glacier) Concrete PM	4/15/2008	1244				54%	
Lemon Rd. (Glacier)/Davis PM	8/2/2005	1213				37%	
Lemon Rd. (Glacier)/Lemon Spur PM	12/18/2001	1016				59%	Road behind Fred Meyer
Lemon Rd. (Glacier)/Renninger AM	4/14/2008	1018				62%	Access road to DZ School
Lemon Rd. (Glacier)/Sunny Dr.							New construction. Need count.
Loop/Back Loop PM	4/21/2004	772				55%	Good roundabout location
Loop/Cinema PM	4/26/2004	1897				39%	
Loop/Dudley PM	5/25/2004	1550				15%	
Loop/Floyd Dryden AM	5/28/2003	1127				51%	Controlled by x-ing guards. HAWK installed.
Loop/Floyd Dryden 3PM	9/27/2005	1054				36%	Controlled by x-ing guards. HAWK installed.
Loop/Grant AM	4/22/2004	508				24%	
Loop/James AM	7/21/2004	1475				40%	
Loop/Kimberly AM	11/18/2004	612				13%	
Loop/McGinnus PM	4/26/2004	1453				38%	

Intersection	Most recent count	Total Entering Volume Pk. Hour	MUTCD Signal Warrants (% of attainment) W1A	W1B	W2	W3	Comments
Juneau (cont.)							
Loop/Nancy AM	5/26/2004	1613				84%	Operation okay without signal, poor alignment
Loop/Nancy PM	5/26/2004	2071				24%	Operation okay without signal, poor alignment
Loop/Taku AM	4/23/2004	673				46%	
Loop/Thunder Mtn. AM	11/19/2004	839				20%	
Loop/Tongass PM	4/28/2004	1465				20%	
Riverside/Stephan Richards PM	10/21/2008	1004				59%	
Yandukin/Crest PM	12/20/2001	220				0%	
Yandukin/Old Dairy PM	12/21/2001	317				0%	
Ketchikan							
Front/Mission (12 hr)	6/10/2003	1298				0%	W4 (Pedestrian) met in summer
Mill (S. Tong.)/Bawden PM	6/5/2003	973				42%	
Mill (S. Tong.)/Main PM	6/13/2003	1076				62%	W4 (Pedestrian) met in summer
N. Tongass/Bryant+FT PM	6/12/2003	1403				37%	Includes AMHS Ferry Terminal traffic
N. Tongass/Post Office PM	6/2/2003	1428				65%	
Tongass/3rd Ave. PM	5/13/2002	1584				25%	
Tongass/Deermount PM	6/3/2003	885				40%	
Tongass/Schoenbar PM	6/3/2003	1831				77%	
Tongass/Totem Row AM	5/2/2006	416				10%	
Petersburg							
Main/Haugen Drive (12 hr)	6/6/2002	760	63%			49%	
Nordic / Gjoa	6/5/2002	674				25%	
Sitka							
HPR/Cascade/Seamart PM	6/19/2003	872				21%	
Lake/Sawmill/HPR PM	7/19/2001	1479				113%	Roundabout completed.
Sawmill Crk Rd/Indian River PM	7/18/2001	927				18%	

The quality of operation at unsignalized intersections can also be measured by determining the Level of Service (LOS) at each intersection. LOS is determined by counting the number of vehicles at an intersection during peak traffic hours and estimating delay using the unsignalized intersection analysis process as described in the 2000 *Highway Capacity Manual*.

Unlike signalized intersections, average delay at unsignalized intersections is not indicative of the overall intersection operation. The major street never has to stop for through or right movements, and often only briefly for left turns. Therefore the LOS from the side street critical movement is used to determine the quality of operation for the intersection.

The LOS also deteriorates faster as delay increases for unsignalized intersections than for signalized intersections. This is because a driver at a signalized intersection inherently knows that he or she will eventually get a green light. A motorist at a stop controlled intersection must find an acceptable gap in traffic and is more likely to become nervous or frustrated after a long wait.

LOS is defined in terms of delay, which is a measure of driver discomfort and frustration, fuel consumption, and lost travel time. LOS ratings are defined as follows for unsignalized intersections:

Level of Service (LOS)	***Average stopped delay per vehicle (seconds)***	***Effect***
A	<=10.0	Most vehicles aren't stopped
B	10.1 to 15.0	Low delay
C	15.1 to 25.0	Significant number of stopped vehicles
D	25.1 to 35.0	Noticeable congestion
E	35.1 to 50.0	Limit of acceptable delay
F	> 50.0	Unacceptable delay

Level of Service F is the point where traffic breaks down with more vehicles arriving than departing. Once an intersection reaches LOS F, delay is difficult to accurately calculate and depends on the traffic patterns before and after the analysis. For this reason, delay calculated above 100 seconds will be denoted with an asterisk (*).

Table 9A: Level of Service (LOS) at Unsignalized Intersections

(Unless otherwise noted, information refers to the PM peak hour)

City	Intersection	Date of most recent count	Intersection						Comments
			AM Peak			PM Peak			
			Traffic Volume	Level of Service	Delay (Sec.)	Traffic Volume	Level of Service	Delay (Sec.)	
Juneau	Back Loop/Montana Creek Rd	05/10/2008	320	B	10.7	489	B	11.9	
	Douglas/Cordova	04/16/2004	826	C	22.5	1056	D	26.6	
	Egan/12th Ave.	07/16/2002	2180	F	*	2138	F	*	10th / Egan provides main access
	Egan/8th Ave.	05/01/2008	1520	D	34.1	1804	F	97.9	
	Egan/9th Ave.	04/30/2008	1527	C	16.1	1615	B	10.0	
	Egan/Aurora Harbor Entrance	08/19/2003	2186	E	40.9	2710	D	33.0	
	Egan/Glacier Ave. Spur	10/02/2008	1301	A	9.5	1581	C	15.6	
	Egan/Harbor Master's Entrance	04/04/2002	2210	D	29.4	2369	F	63.8	
	Egan/Highland Dr	10/09/2008	2198	B	12.9	2412	D	26.9	
	Egan/Vintage	04/29/2008	1330	F	71.0	1920	F	*	Operation OK w/ Rt Turns Only
	Egan/Whittier	10/31/2007	1096	D	31.5	1420	F	50.1	Signal to be installed.
	Egan/Willoughby	11/08/2006	1034	D	26.9	1261	C	22.3	
	Egan/Yandukin	09/28/2000	2589	D	32.6	3426	E	39.8	Lt turns delay listed only, Rt turns yield to Egan thru traffic
	Glacier Ave/10th	07/03/2003	576	C	16.4	1024	F	69.8	
	Glacier Ave/12th	10/01/2008	731	B	13.6	690	B	10.1	4 way stop, average intersection delay listed
	Glacier Ave/Highland	05/28/2002	680	C	20.1				PM counts unavailable
	Glacier Ave/Whittier	04/04/2002	430	B	10.9	528	C	16.4	
	Glacier/Fritz Cove	07/20/2005	805	C	18.0	1168	E	38.7	
	Glacier/Glacier Hwy N.	08/12/2003	713	D	27.1	1169	C	16.2	
	Glacier/Hospital Dr	10/17/2007	611	C	19.0	669	C	18.9	
	Glacier/Industrial	07/21/2005	1194	E	49.8	1593	F	*	Major delay is for vehicles turning left from trail parking lot. Vehicles can turn Rt, turn around at Job Ctr & turn Rt again.
	Glacier/Old Dairy/Trout	07/22/2005	1128	F	*	1664	F	*	
	Lemon Rd. (Glacier)/Concrete Way	04/15/2008	1025	C	23.2	1244	D	32.9	
	Lemon Rd. (Glacier)/Davis	08/02/2005	791	D	25.2	1213	D	31.9	
	Lemon Rd. (Glacier)/Lemon Spur	12/18/2001	507	B	12.4	1016	E	36.5	
	Lemon Rd. (Glacier)/Renninger	04/14/2008	1018	D	27.4	1091	C	24.5	Dzantik'i Heeni Entrance
	Lemon Rd. (Glacier)/Sunny Dr.								Sunny Point interchange complete. Need count.
	Loop/Back Loop	04/21/2004	528	B	11.3	772	C	16.9	
	Loop/Cinema	04/26/2004	1436	D	26.7	1897	E	39.5	
	Loop/Dudley	05/25/2004	1144	B	13.9	1550	D	27.1	
	Loop/Floyd Dryden	05/28/2003	1315	F	*	1054	D	31.5	X-ing Guards help move traffic. HAWK installed.
	Loop/Grant	04/22/2004	508	B	12.7	713	B	13.8	
	Loop/James	07/21/2004	1475	C	20.3	2221	C	22.2	
	Loop/Kimberly	11/18/2004	612	B	12.9	769	B	12.1	
	Loop/McGinnis	04/26/2004	1143	C	18.1	1453	C	18.7	
	Loop/Nancy	05/26/2004	1613	E	38.2	2071	D	27.4	Lane configuration helps facilitate Lt turns from Nancy
	Loop/Taku	04/23/2004	673	B	13.9	732	B	13.5	

City	Intersection	Date of most recent count	Intersection						Comments
			AM Peak			PM Peak			
			Traffic Volume	Level of Service	Delay (Sec.)	Traffic Volume	Level of Service	Delay (Sec.)	
Juneau (Cont)	Loop/Thunder Mtn.	11/19/2004	551	B	12.1	839	C	16.4	
	Loop/Tongass	04/28/2004	1139	B	11.8	1465	C	24.1	
	Riverside/Stephen Richards	10/21/2008	831	C	18.5	1004	C	20.1	4 way stop, average intersection delay listed
	Yandukin / Crest	12/20/2001	191	A	9.8	220	A	9.9	
	Yandukin / Old Dairy	12/21/2001	181	A	9.8	256	B	10.2	
Ketchikan	Front / Mission	06/10/2003	912, 66 peds	A	5.9	1040, 307 peds	A	5.0	
	Mill / Bawden	06/13/2003	674, 59 peds	C	18.2	937, 60 peds	E	50.0	
	Main / Mill	06/05/2003	739, 312 peds	F	*	1076, 78 peds	E	49.5	Major delay occurs during summer. LOS D with low #s of Peds.
	Main / Mill	05/25/2001	908, 1093 peds	F	*				Mid-Day Count
	N. Tongass / Bryant / FT	06/12/2003	1116	E	44.2	1403	F	66.7	
	N. Tongass / Post Office	06/02/2003	975	C	17.0	1428	F	71.8	
	Tongass / 3rd Ave	05/13/2002	1394	C	19.3	1584	D	31.1	
	Tongass / Deermount	06/03/2003	624	B	14.6	885	C	17.3	
	Tongass / Schoenbar	06/03/2003	1208	F	*	1831	F	*	Monitoring situation. Will make changes as deemed feasible.
	S. Tongass / Totem Row	05/02/2006	416	B	10.6	424	A	9.8	
Petersburg	Nordic / Haugen Dr.	06/05/2002	553	B	12.4	760	C	17.8	
	Nordic / Gjoa	06/06/2002				674	B	12.7	AM counts unavailable
Sitka	HPR / Cascade / Seamart	06/19/2003	535	C	17.8	872	D	26.2	
	Lake / Sawmill / HPR	07/23/2001	1040	C	16.9	1479	F	70.1	Roundabout complete.
	Sawmill Crk / Indian River	07/18/2001	638	B	11.9	927	B	12.8	

Note: Delay and Level of Service (LOS) were determined according to the 2000 Highway Capacity Manual.

* denotes a delay greater than 100 seconds for the critical movement

C. Quality Of Operation at Roundabouts

For congested intersections, roundabouts are an alternative form of traffic control to signals and stop signs. Roundabouts are able to accommodate moderate to large traffic volumes with minimal delay. Furthermore, traffic operates much more efficiently than traffic signals at off-peak hours because traffic is not unnecessarily delayed while waiting for a red light to change. As of 12/31/07, there was only one roundabout in Southeast Alaska.

The quality of operation at roundabout intersections is measured by determining the Level of Service (LOS) at each intersection. LOS is determined by counting the number of vehicles at an intersection during peak traffic hours and estimating delay using the signalized intersection analysis process as described in the *NCHRP Report 572, "Roundabouts in the United States"*, (2007).

Six LOS are defined and are given letter designations, from A to F, with LOS A representing the best and LOS F the worst.

LOS is defined in terms of delay, which is a measure of driver discomfort and frustration, fuel consumption, and lost travel time. Delay times relate to Level of Service similar to stop controlled intersections. LOS ratings are defined as follows for intersections with roundabouts:

Level of Service (LOS)	***Average control delay per vehicle (seconds)***	***Effect***
A	<=10.0	Most vehicles do not have to wait
B	10.1 to 15.0	Low delay
C	15.1 to 25.0	Significant wait before entering roundabout
D	25.1 to 35.0	Noticeable congestion
E	35.1 to 50.0	Limit of acceptable delay
F	> 50.0	Unacceptable delay

Table 10: Quality of Operation at Roundabouts

City	Intersection	Date of most recent count	Intersection						Comments
			AM Peak			PM Peak			
			Traffic Volume	Level of Service	Delay (Sec.)	Traffic Volume	Level of Service	Delay (Sec.)	
Juneau	Douglas Hwy/N. Douglas	10/14/2008	1246	B	12.1	1482	C	19.7	

III. Vehicle Classification Section

Vehicle classification is the process by which the mix of traffic (percentage of trucks, cars, and other vehicles) is determined. There are 13 federal vehicle classifications, of which nine deal with trucks exclusively. For the purpose of this report, only the four most common classes (motorcycles, cars, pickups, and trucks) are listed in Table 11. Written descriptions of the Federal Highway Administration (FHWA) vehicle classifications and a graphical drawing are also included in this section.

Although familiar class names such as a car or pickup readily recall familiar vehicle types to one's mind, the reader should be aware that vehicle classification is based on the number of axles and the spacing between axles, not vehicle appearance. Consequently, class names sometimes do not match all vehicles included in the class. For example, errors occur when long, full-size cars are classified as pickups and short pickups are classified as compact cars. However, axle-based classification provides the information most important to highway designers and is the agreed upon standard.

Several one-week classification studies are conducted annually in this region. The studies are made with electronic counting equipment connected to rubber road tubes fastened across the roadway. Every year the FHWA directs the Traffic Section to conduct class studies at specific locations, usually on major thoroughfares. Many classification sites may be counted once, then not recounted because FHWA chooses a preferable or more representative class count location.

Seasonal fluctuations in traffic volumes can be substantial in Alaska and are an important factor in vehicle classification. Due to snowplowing operations and cold winter temperatures, the Traffic Section does not conduct rubber road tube classifications during the winter months. Typically the vehicle classification studies are done between May and October. Therefore, class counts reflect peak traffic and tourist volumes during the spring to fall conditions only. To correct for seasonal fluctuations, one needs to review permanent traffic recorder data. See the *Permanent Traffic Recorder Data* section.

2007 classification counts showed a substantial increase in truck traffic across Southeast Alaska. This is largely due to the recent increase in pickup and SUV size. Vehicles such as the Chevy Suburban and the Ford F350 (sometimes even an F250) register as a heavy truck, as opposed to a regular pickup.

FHWA VEHICLE TYPES

The vehicle types of interest to FHWA are described below. The classification scheme is separated into categories depending on whether the vehicle carries passengers or commodities. Non-passenger vehicles are further subdivided by number of axles and number of units including both power and trailer units.

A. FHWA VEHICLE CLASS DEFINITIONS

Type Name and Description:

1. **Motorcycles** (Optional) - All two-or three-wheeled motorized vehicles. Typical vehicles in this category have saddle type seats and are steered by handlebars rather than wheels. This category includes motorcycles, motor scooters, mopeds, motor-powered bicycles, and three-wheel motorcycles. This vehicle type may be reported at the option of the State.

2. **Passenger Cars** - All sedans, coupes, and station wagons manufactured primarily for the purpose of
carrying passengers and including those passenger cars pulling recreational or other light trailers.

3. **Other Two-Axle, Four-Tire Single Unit Vehicles -** All two-axel, four-tire vehicles, other than passenger cars. Included in this classification are pickups, panels, vans, and other vehicles such as campers, motor homes, ambulances, hearses, and carryalls. Other two-axle, four-tire single unit vehicles pulling recreational or other light trailers are included in this classification.

4. **Buses** - All vehicles manufactured as traditional passenger-carrying buses with two axles and six tires or three or more axles. This category includes only traditional buses (including school buses) functioning as passenger-carrying vehicles. Modified buses should be considered as trucks and be appropriately classified.

NOTE: In reporting information on trucks the following criteria should be used:

a. Truck tractor units traveling without a trailer will be considered single unit trucks.
b. A truck tractor unit pulling other such units in a "saddle mount" configuration will be considered as a one single unit truck and will be defined only by the axles on the pulling unit.
c. Vehicles shall be defined by the number of axles in contact with the roadway. Therefore, "floating" axles are counted only when in the down position.
d. The term "trailer" includes both semi-and full trailers.

5. **Two-Axle, Six-Tire, Single Unit Trucks** - All vehicles on a single frame, including trucks, camping and recreational vehicles, motor homes, etc., having two axles and dual rear wheels

6. **Three-Axle Single Unit Trucks** - All vehicles on a single frame, including trucks, camping and recreational vehicles, motor homes etc., having three axles.

7. **Four or More Axle Single Unit Trucks** - All trucks on a single frame with four or more axles.

8. **Four or Less Axle Single Trailer Trucks** - All vehicles with four or less axles consisting of two units, one of which is a tractor or straight truck power unit.

9. **Five-Axle Single Trailer Trucks** - All five-axle vehicles consisting of two units, one of which is a tractor or straight truck power unit.

10. **Six or More Axle Single Trailer Trucks** - All vehicles with six or more axles consisting of two units, one of which is a tractor or straight truck power unit.

11. **Five or Less Axle Multitrailer Trucks** - All vehicles with five or less axles consisting of three or more units, one of which is a tractor or straight truck power unit.

12. **Six-Axle Multitrailer Trucks** - All six-axle vehicles consisting of three or more units, one of which is a tractor or straight truck power unit.

13. **Seven or More Axle Multitrailer Trucks** - All vehicles with seven or more axles consisting of three or more units, one of which is a tractor or straight truck power unit.

Table 11: Vehicle Classification 1998 - 2007

City	Road Name	Study Date	Mile	Location	Motor-cycles	Cars	Pick-ups	Trucks
Haines	Haines Hwy.	2007	0.92	Mud Bay Rd - Sawmill Rd	2.0%	52.5%	31.3%	14.2%
Haines	Haines Hwy.	2007	1.287	Sawmill Rd - Airport	0.6%	50.1%	34.4%	14.8%
Haines	Haines Hwy.	2007	15.199	Milepost 12 - Kluckwan	0.5%	56.9%	27.8%	14.7%
Haines	Haines Hwy.	2003	23.343	Kluckwan - Misquito Lake Rd.	0.1%	54.6%	36.8%	8.5%
Haines	Haines Hwy.	2005	28.324	Mosquito Lake - Big Boulder Cr	0.9%	56.1%	36.5%	6.5%
Haines	Haines Lutak Rd	2007	4.016	Ferry - Front St.	2.4%	43.7%	29.2%	24.8%
Haines	Old Haines Hwy.	2003	0.238	Haines Hwy - Beach Rd.	1.0%	58.1%	32.8%	8.1%
Hoonah	Hoonah Airport Rd	2007	0.25	Ferry - Seaplane Float	1.0%	42.1%	36.1%	20.8%
Hyder	Salmon River Rd	2007	0.1	Hyder - Canadian Customs	2.8%	46.8%	25.2%	25.2%
Hyder	Salmon River Rd	2007	10.68	North City Limits	3.9%	50.0%	26.1%	29.1%
Juneau	Back Loop Rd.	2007	0.037	Glacier Spur - Tournere	0.4%	73.3%	18.9%	7.4%
Juneau	Egan Drive	2001	2.579	3 Mile Egan Drive	0.3%	77.2%	17.9%	4.6%
Juneau	Egan Drive	2003	5.87	Sunny Pt - Vanderbilt	0.3%	75.4%	20.1%	4.2%
Juneau	Egan Drive	2004	6.527	Sunny Pt - Yandukin	0.4%	73.9%	20.0%	5.7%
Juneau	Egan Drive	2004	7.961	McNugget - Yandukin	0.0%	77.1%	19.2%	3.7%
Juneau	Glacier Highway - Egan	2007	9.256	Engineers Cutoff - Glacier Hwy North	0.4%	64.2%	23.1%	12.3%
Juneau	Glacier Highway - Egan	2007	10.977	Fritz Cove Rd. - Back Loop Rd.	0.5%	75.2%	18.7%	5.7%
Juneau	Glacier Highway - Egan	2007	11.672	Waydelich Cr Br - N Jct Mend. Loop	0.6%	61.8%	25.9%	11.7%
Juneau	Glacier Highway - Egan	2007	21.781	Dotson's Landing - .1 Mi. N. of Shrine	0.2%	68.1%	23.2%	8.5%
Juneau	Glacier Highway - Will	1999	1.256	Ross Way - Highland Dr	1.4%	77.9%	14.2%	6.6%
Juneau	Industrial Blvd.	2007	0.063	Glacier Hwy - Bentwood	0.4%	49.7%	28.3%	21.6%
Juneau	Lemon Road (Glacier)	2007	1.179	Lemon Spur - DOT Access	0.6%	69.3%	16.5%	13.6%
Juneau	Lemon Road (Glacier)	2007	1.334	DOT - Sunny Dr	0.1%	69.8%	14.3%	15.8%
Juneau	Lemon Road (Glacier)	2007	1.509	Sunny Dr - Walmart	1.2%	68.2%	20.4%	10.2%
Juneau	Lemon Road (Glacier)	2007	1.88	Walmart - Davis Ave.	0.3%	66.2%	21.5%	12.0%
Juneau	Lemon Road (Glacier)	2007	2.305	Davis St. - Twin Lakes Dr.	0.3%	72.0%	19.0%	8.6%
Juneau	Lemon Road (Glacier)	2007	3.311	Twin Lakes Dr. - Egan	0.2%	67.3%	23.0%	9.5%
Juneau	Mendenhall Blvd.	2007	0.365	Mendenhall Loop - End	0.4%	71.0%	19.5%	9.1%
Juneau	Mendenhall Loop Rd.	2007	0.648	James - Stephen Richards	0.2%	70.7%	21.0%	8.0%
Juneau	Mendenhall Loop Rd.	2002	1.397	S Richards - Floyd Dryden	0.4%	74.6%	20.2%	4.8%
Juneau	Montana Creek Rd.	2007	0.196	Mendenhall Loop - Skaters Cabin	0.3%	67.7%	23.0%	9.0%
Juneau	N. Douglas Hwy	2007	0.014	J/D Bridge - M.P. 2	0.9%	68.0%	20.6%	10.6%
Juneau	N. Douglas Hwy	2007	2.104	Eaglecrest - Heliport	0.7%	70.3%	20.4%	8.6%
Juneau	N. Douglas Hwy	2007	8.034	Fish Creek Bridge - Boat Ramp	1.4%	63.0%	16.3%	19.2%
Juneau	Old Dairy Rd.	2002	0.337	Crest - Yandukin	0.2%	68.4%	24.1%	7.3%
Juneau	Riverside Dr.	2007	0.286	Vintage - James	1.0%	70.8%	20.9%	7.3%
Juneau	Twin Lakes Dr.	2007	0.779	Craig - Blackerby	6.3%	68.3%	18.0%	7.4%
Kake	Kake - Keku Rd	2007	1.19	Little Gunnuk Creek - Big Gunnuk Creek	1.1%	54.0%	39.0%	5.9%
Ketchikan	N. Tongass Hwy	2007	1.334	Rose's Caboose	0.2%	65.3%	28.5%	6.0%
Ketchikan	N. Tongass Hwy	2000	1.734	North Shorline Dr - South Shoreline Dr	0.2%	66.5%	25.7%	7.6%
Ketchikan	N. Tongass Hwy	2004	4.625	Ward Lake Rd - Mill Entrance	0.8%	64.1%	27.9%	7.3%
Ketchikan	N. Tongass Hwy	2007	8.985	Beechwood Dr. - Pond Reef Rd.	1.4%	58.5%	27.0%	13.1%
Ketchikan	N. Tongass Hwy	2007	11.271	N. Point Higgins - Big Turnout	2.6%	59.4%	28.5%	9.5%
Ketchikan	N. Tongass Hwy	2007	14.403	1st waterfall Cr. - End	4.5%	57.5%	18.6%	19.3%
Ketchikan	Revillla Rd.	2007	7.478	White River Spur - Harriet Hunt Lake	2.2%	53.4%	30.0%	14.5%
Ketchikan	Roosevelt Dr.	2007	1.2	Franklin - Jct. w/ S. Tongass	0.9%	49.5%	22.0%	27.6%
Ketchikan	S. Tongass Hwy	2001	1.651	Shoenbar - Water St	0.4%	72.5%	21.9%	5.1%
Ketchikan	S. Tongass Hwy	1999	2.023	Grant St. - Mission St.	0.5%	72.1%	20.9%	6.6%
Ketchikan	S. Tongass Hwy	2002	2.371	Barney Way - Deermont	0.4%	69.2%	23.7%	6.7%
Ketchikan	S. Tongass Hwy	1998	2.977	Deermount - USCG	1.4%	71.2%	25.7%	1.7%
Ketchikan	S. Tongass Hwy	2002	4.44	Gunner St. - Totem P. Row	0.1%	71.1%	22.6%	6.2%
Ketchikan	Schoenbar	2007	0.02	Park Ave. - Forest	1.1%	69.0%	21.6%	8.4%
P.O.W.	Big Salt Lake Road	2001	0.002	Craig/Klawock Hwy - Bennet Creek Br	0.5%	48.9%	37.8%	12.7%
P.O.W.	Big Salt Lake Road	1999	3.324	Airport Rd - Duke Creek Bridge	0.2%	36.4%	46.2%	17.2%
P.O.W.	Craig to Hollis Hwy	2005	0.698	Craig City Limits - MP 6 Klawock	0.7%	57.3%	32.4%	9.5%
P.O.W.	Craig to Hollis Hwy	1998	8.198	Big Salt Rd - Hatchery	0.2%	49.8%	45.9%	4.1%

Table 11: Vehicle Classification 1998 - 2007

City	Road Name	Study Date	Mile	Location	Motor-cycles	Cars	Pick-ups	Trucks
P.O.W.	Craig to Hollis Hwy	2004	8.931	Hatchery - Hydaburg Rd	0.1%	48.2%	31.3%	20.4%
P.O.W.	Craig to Hollis Hwy	1998	20.297	Hydaburg Jct. - End of Route	0.1%	55.0%	41.9%	3.1%
P.O.W.	Thorne Bay Road	1998	0.548	Big Salt Rd - Thorne Bay	1.6%	31.2%	45.1%	22.1%
Petersburg	Haugen Dr.	2007	0.003	Mitkof Hwy - 6th Street	2.0%	63.6%	23.2%	11.1%
Petersburg	Haugen Dr.	2007	0.395	6th St - Hammer	0.6%	60.0%	31.6%	7.9%
Petersburg	Haugen Dr.	2007	1.378	Airport - Sandy Beach	1.1%	59.5%	23.9%	15.5%
Petersburg	Mitkof Hwy.	2007	8.866	Twin Creek Trailer Park - Falls Creek Br.	0.3%	45.6%	37.3%	16.7%
Petersburg	Mitkof Hwy.	2007	15.446	Swan Observatory - Crystal Lake Hatch	2.4%	47.4%	31.9%	18.3%
Petersburg	Nordic Dr.	2007	0.28	Middleton - Harder Street	0.4%	58.1%	30.6%	10.9%
Petersburg	Nordic Dr.	2007	1.194	Sing Lee Alley - Ferry Term	1.5%	64.7%	18.7%	15.1%
Sitka	Halibut Pt. Road	2007	2.022	Harbor Mt. Rd - Cascade Cr. Rd.	0.7%	60.3%	25.7%	13.3%
Sitka	Halibut Pt. Road	2003	4.251	Granite Creek. - Harbor Mountain Rd	0.3%	60.5%	31.2%	8.0%
Sitka	Kaltian Ave.	2007	0.074	H.P.R. - Thompson Harbor	1.5%	64.1%	25.3%	9.1%
Sitka	Katlian Ave.	2003	0.247	Thompson Harbor - Cold Storage	1.1%	68.7%	25.2%	5.0%
Sitka	Lake St.	2004	0.371	Lake Street	1.1%	66.3%	28.6%	4.0%
Sitka	Rodman Bay Rd.	2002	6.646	At Starrigavan Creek Bridge	1.2%	69.4%	25.0%	4.4%
Sitka	Sawmill Ck. Road	2007	0.166	Lake - Jeff Davis	1.0%	61.4%	25.9%	11.8%
Sitka	Sawmill Ck. Road	2007	1.21	USPS - Rookies Night Club	1.7%	70.8%	17.6%	10.0%
Sitka	Sawmill Ck. Road	2007	4.276	Thimbleberry Creek - Mill	3.3%	59.6%	27.8%	9.3%
Skagway	Dyea Road	2004	5.576	Observation Pt - Taiya River Bridge	1.3%	54.5%	32.3%	11.9%
Skagway	Klondike Hwy	2004	1.696	22nd - Dyea Rd.	0.9%	46.7%	29.9%	22.4%
Skagway	Klondike Hwy	2007	2.584	Dyea Rd. - Sanitarium Rd.	1.0%	42.1%	32.4%	24.5%
Skagway	Klondike Hwy	2005	11.669	Sanitorium Rd. - U.S. Customs	1.3%	48.1%	25.3%	25.3%
Wrangell	Airport Rd.	2007	0.71	East Rd. - Airport	0.4%	57.4%	32.5%	9.7%
Wrangell	Bennet	2007	0.003	Zimovia - East Rd	1.1%	56.2%	33.0%	9.7%
Wrangell	Spear (Wrangel East)	2007	0.911	Near Shooting Range	2.2%	54.2%	32.1%	11.5%
Wrangell	Stikine / Evergreen	2007	0.24	Ferry Terminal - Landfill	1.1%	61.0%	32.6%	5.4%
Wrangell	Zimovia Hwy.	2007	1.294	Case Ave - MP 2	0.8%	57.4%	32.4%	9.4%
Wrangell	Zimovia Hwy.	2007	2.231	MP 2 - Wrangel Inst.	0.7%	58.1%	32.0%	9.3%
Wrangell	Zimovia Hwy.	2007	4.524	Wrangell Institute - Shoemaker Rd.	0.5%	57.0%	26.2%	16.4%
Wrangell	Zimovia Hwy.	2007	10.195	Pat Creek - End	0.0%	20.3%	21.9%	57.8%

Note: 2006 vehicle classification counts were not included because collected data was corrupt.

IV. TRAFFIC VOLUME SECTION

A. Historical Population Growth Rates

This section shows historic population growth rates. Table 12 includes population estimates from 1980 through 2007 that were calculated by the Alaska Department of Labor, Research and Analysis Section, Demographics Unit.

One of the most important factors in planning future road systems is determining the annual rate of traffic volume, or ADT, growth. Although historical population growth does not necessarily predict future trips, it is a simple indicator of the combined effect of the many complex state, local, societal, and economic factors which impact traffic volume growth. It is important to note that there is no direct relationship between population changes and traffic volume changes. Even so, population change is an important indicator of changing traffic volumes. Where no actual traffic counts have been done it is often the only means of projecting future traffic volumes. Where counts have been done it helps to verify volumes which might otherwise be in question.

Table 12 contains some known weaknesses. Several of the smaller cities had data gaps. Also there are several years with missing data (1981, 1987, & 1989). For those years we performed a straight-line interpolation. For the most recent years (1991-2007), however, the data is complete. The table gives a good overview of long term trends of these southeast communities.

Table 12: Southeast Region Population Estimates

2000-2007									%*
Area Name	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**Change**
Haines Borough	2,392	2,368	2,357	2,319	2,245	2,207	2,241	2,257	-0.8%
Juneau/ City and Borough	30,711	30,371	30,899	31,656	31,142	31,193	30,650	30,305	-0.2%
Ketchikan Gateway Borough	14,059	13,742	13,676	13,533	13,030	13,125	13,174	13,160	-0.9%
Prince of Wales Borough	6,157	5,814	5,680	5,594	5,548	5,497	5,477	5,328	-2.0%
Sitka City/Borough	8,835	8,724	8,799	8,897	8,805	8,947	8,833	8,640	-0.3%
City Name	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**2007**	**Change**
Angoon	572	559	544	507	481	497	482	478	-2.5%
Gustavus	429	418	421	438	473	459	441	442	0.4%
Hoonah	860	875	877	850	841	861	829	852	-0.1%
Kake	710	697	701	683	663	598	536	535	-4.0%
Metlakatla	1,447	1,416	1,418	1,397	1,302	1,397	1,377	1,335	-1.1%
Petersburg	3,224	3,218	3,148	3,079	3,123	3,155	3,129	3,071	-0.7%
Skagway	862	837	843	844	870	834	854	845	-0.3%
Wrangell	2,308	2,220	2,175	2,123	2,023	1,974	1,911	1,947	-2.4%
Yakutat	680	641	664	635	619	618	609	596	-1.9%

1990-1999											%**
Area Name	**1990**	**1991**	**1992**	**1993**	**1994**	**1995**	**1996**	**1997**	**1998**	**1999**	**Change**
Haines Borough	2,117	2,242	2,230	2,293	2,331	2,280	2,352	2,404	2,461	2,475	1.2%
Juneau/ City and Borough	26,751	27,579	28,253	28,448	28,454	28,700	29,230	29,713	30,021	30,189	1.4%
Ketchikan Gateway Borough	13,828	14,255	14,636	14,716	14,751	14,764	14,654	14,500	14,143	13,961	0.2%
Prince of Wales Borough	6,278	6,551	6,608	6,797	6,774	6,734	6,996	6,873	6,830	6,589	-0.2%
Sitka City/Borough	8,588	8,878	9,059	9,083	8,941	8,868	8,650	8,708	8,722	8,681	0.3%
City Name	**1990**	**1991**	**1992**	**1993**	**1994**	**1995**	**1996**	**1997**	**1998**	**1999**	**Change**
Angoon	638	665	636	636	610	601	605	570	586	576	-1.1%
Gustavus	258	256	279	288	314	319	344	340	371	377	5.2%
Hoonah	795	796	843	871	885	877	902	890	892	877	0.8%
Kake	700	711	727	725	695	703	727	756	775	745	0.1%
Metlakatla	1,407	1,489	1,531	1,518	1,520	1,522	1,563	1,523	1,502	1,472	0.3%
Petersburg	3,207	3,282	3,314	3,307	3,261	3,310	3,388	3,410	3,399	3,415	0.1%
Skagway	692	726	758	786	798	775	778	815	811	825	2.2%
Wrangell	2,479	2,590	2,716	2,691	2,754	2,698	2,618	2,541	2,560	2,549	-0.7%
Yakutat	705	722	680	707	727	770	799	822	775	729	-0.4%

1980-1989											%***
Area Name	**1980**	**1981**	**1982**	**1983**	**1984**	**1985**	**1986**	**1987**	**1988**	**1989**	**Change**
Haines Borough	1,680	1,803	1,886	1,950	2,051	2,034	2,036	1,971	1,956	2,058	2.3%
Juneau/ City and Borough	19,528	21,329	22,451	24,007	25,268	26,037	25,998	24,966	24,655	25,100	3.2%
Ketchikan Gateway Borough	11,316	12,042	12,268	12,459	12,438	12,623	12,729	12,793	12,594	13,259	2.0%
Prince of Wales Borough	3,822	4,204	4,439	4,822	4,993	5,143	5,225	5,392	5,770	5,876	5.1%
Sitka City/Borough	7,803	8,116	7,947	8,028	7,956	8,110	8,128	8,252	8,294	8,283	1.0%
City Name	**1980**	**1981**	**1982**	**1983**	**1984**	**1985**	**1986**	**1987**	**1988**	**1989**	**Change**
Angoon	465	514	562	512	574	588	597	605	624	645	3.2%
Gustavus	98	128	158	188	218	217	214	211	219	238	10.2%
Hoonah	680	772	864	865	894	917	906	895	894	845	1.6%
Kake	555	593	631	674	635	634	650	665	678	695	2.3%
Metlakatla	1,056	1,098	1,141	1,183	1,225	1,270	1,318	1,365	1,386	1,438	2.9%
Petersburg	2,821	2,931	3,040	3,046	3,112	3,145	3,182	3,180	3,178	3,230	1.3%
Skagway	814	802	790	782	652	610	662	714	704	715	-1.6%
Wrangell	2,184	2,280	2,376	2,468	2,336	2,387	2,402	2,409	2,416	2,503	1.3%
Yakutat	449	456	462	469	470	456	466	476	527	625	4.6%

*** Compounded rate of growth 2000-2005**

**** Compounded rate of growth 1990-2000**

***** Compounded rate of growth 1980-1990**

B. Permanent Traffic Recorder Data

Permanent Traffic Recorders (PTRs) consist of electronic counting devices connected to inductive loops buried in the roadway. As vehicles pass over the loops, a cumulative total is compiled for selected periods of time and reported to a mainframe database for analysis. PTRs are installed to collect the number of vehicles that travel over a particular road classification. PTRs are located on select roadways that are representative for a community. There are twelve PTRs in the region, and the oldest one has been in operation since 1959. The twelve PTRs and their locations are as follows:

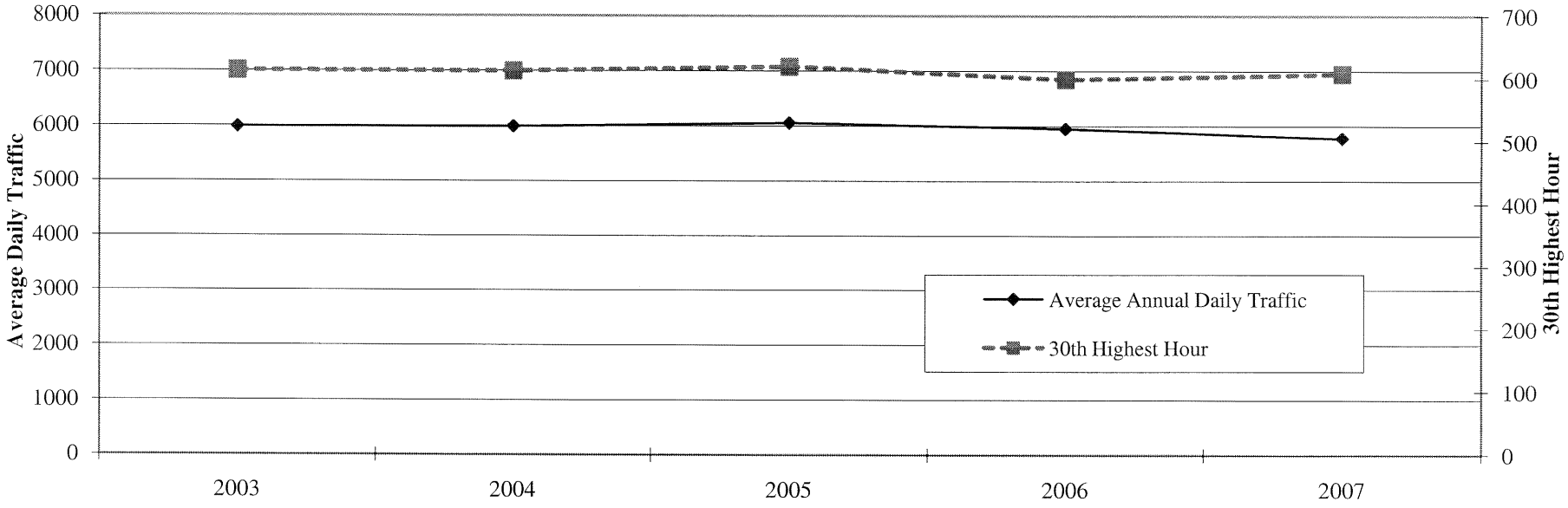
1. Ketchikan – North Tongass Highway (CDS Mile Pt 1.33)
2. Ketchikan – South Tongass Highway (CDS Mile Pt. 3.07)
3. Sitka – Sawmill Creek Road (CDS Mile Pt. 0.73)
4. Sitka – Halibut Point Road (CDS Mile Pt. 0.53)
5. Prince of Wales – Craig / Klawock / Hollis Highway (CDS Mile Pt. 6.71)
6. Wrangell – Zimovia Highway (CDS Mile Pt. 0.71)
7. Petersburg – Mitkof Highway (CDS Mile Pt. 2.55)
8. Juneau – Egan Drive (CDS Mile Pt. 2.58)
9. Juneau – Riverside Drive (CDS Mile Pt. 1.47)
10. Juneau – Glacier Highway (CDS Mile Pt. 14.07)
11. Haines – Haines Highway (CDS Mile Pt. 1.29)
12. Skagway – Klondike Highway (CDS Mile Pt. 2.55)

PTR data is presented in several different ways. The graphs depict annual average daily traffic (AADT) and 30th highest hour volumes for each year the PTRs have been in operation as well as AADT for each day of the week, and the annual average hourly traffic for weekdays (weekends and holidays excluded) for 2006. The numerical matrices provide the most detailed and comprehensive data.

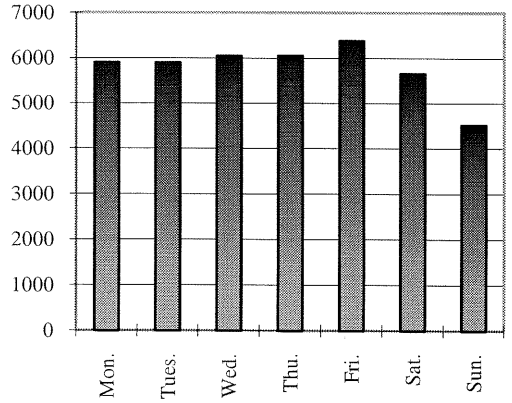
The 30th highest hour volumes, also called the Design Hourly Volume (DHV), are shown because highway projects are usually designed to accommodate this volume in the design year.

PTR data is very important to traffic engineers because they record hourly traffic volumes in both directions 24 hours per day, 365 days per year. Unlike rubber road tube counts, the PTRs collect traffic volumes year round and show seasonally adjusted traffic volumes. These seasonal factors can then be used to adjust other traffic volume counts taken by road tubes.

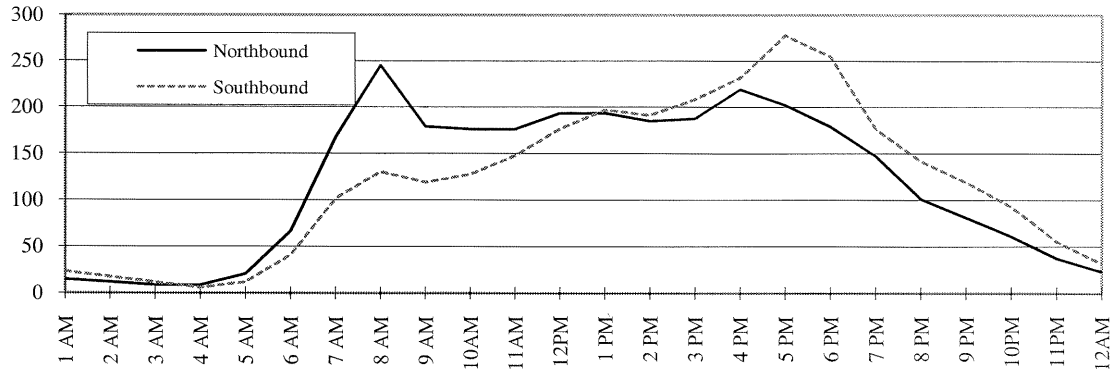
Permanent Traffic Recorder At South Tongass Hwy (CDS Mi 3.07)



2007 Annual Average Daily Traffic by Day of Week



2007 Annual Average Weekday Traffic by Hour of Day



ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
TRAFFIC STUDIES FOR ROUTES IN SOUTHEAST REGION
FIXED RECORDER SUMMARY: 2007
RECORDER NUMBER 60025100 9

SOUTH TONGASS @ CEMETERY ROAD TO USCG BASE - TOTAL PTR ON 291400 AT MILEPOINT 3.070

MONTH	MADT	%	6-10	10-6	MON	TUE	WED	THU	FRI	WKDY	SAT	SUN
JAN	4911	85.0	93.6	6.4	94.7	105.3	110.9	109.2	112.6	106.5	91.9	75.2
FEB	5220	90.3	94.4	5.6	100.3	104.5	108.3	103.6	111.3	105.6	94.4	77.6
MAR	5295	91.6	92.1	7.9	105.8	103.5	104.7	103.5	107.7	105.0	99.8	74.9
APR	6039	104.5	94.4	5.6	100.7	103.6	104.4	105.0	111.4	105.0	101.2	73.7
MAY	6409	110.9	93.6	6.4	99.7	102.8	102.6	104.4	110.2	103.9	98.8	81.4
JUN	6590	114.0	92.5	7.5	102.3	101.6	102.7	105.6	111.9	104.8	95.1	80.7
JUL	6503	112.5	92.1	7.9	103.0	104.9	104.0	105.1	106.8	104.8	97.0	79.1
AUG	6676	115.5	92.8	7.2	103.6	102.2	103.6	104.4	107.5	104.3	95.0	83.7
SEP	6236	107.9	93.7	6.3	98.9	104.2	101.5	104.7	108.1	103.5	104.7	77.9
OCT	5428	93.9	93.6	6.4	103.5	102.1	106.7	105.3	112.1	105.9	97.4	72.9
NOV	5282	91.4	93.8	6.2	104.6	104.8	111.9	96.3	108.2	105.2	97.6	76.5
DEC	4786	82.8	93.0	7.0	108.8	85.2	93.6	109.8	117.0	102.9	101.9	83.6
ANN	5781		93.3	6.7	102.2	102.1	104.6	104.7	110.4	104.8	97.9	78.1

HISTORICAL DATA

YEAR	AADT	NOTES
2007	5781	
2006	5955	
2005	6057	
2004	5992	
2003	5985	
2002	5968	

HIGHEST DAYS

1ST	2ND	3RD	4TH	5TH	6TH	7TH	8TH	9TH	10TH	AVG
7791	7713	7607	7431	7298	7294	7266	7265	7257	7246	7417
06/01	09/29	08/03	06/08	08/15	08/09	06/29	08/10	08/31	05/18	
134.8	133.4	131.6	128.5	126.2	126.2	125.7	125.7	125.5	125.3	128.3

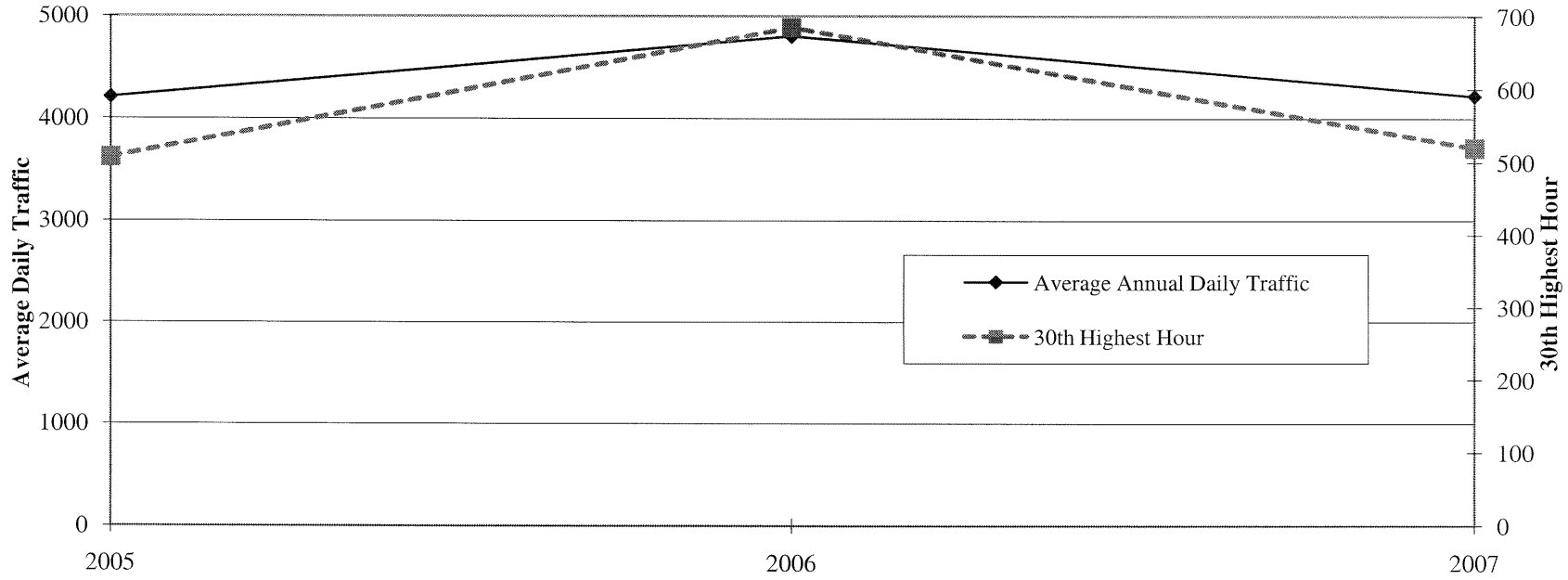
HIGHEST HOURS

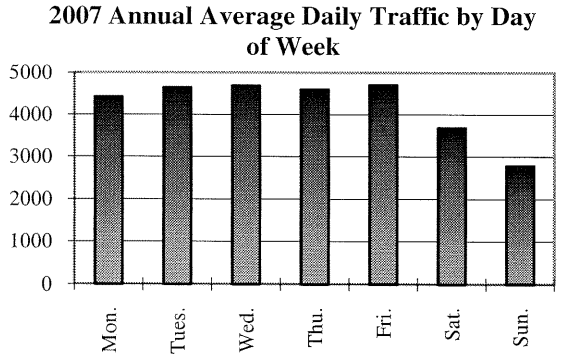
1ST	2ND	3RD	4TH	5TH	6TH	7TH	8TH	9TH	10TH	20TH	30TH	40TH	50TH	AVG
898	816	777	767	712	661	648	645	637	635	618	608	601	596	720
18	19	17	16	17	17	17	17	17	17	17	17	17	17	
09/29	09/29	09/29	09/29	07/11	06/05	08/10	09/10	07/17	08/30	08/01	06/11	09/06	07/16	
15.5	14.1	13.4	13.3	12.3	11.4	11.2	11.2	11.0	11.0	10.7	10.5	10.4	10.3	12.5

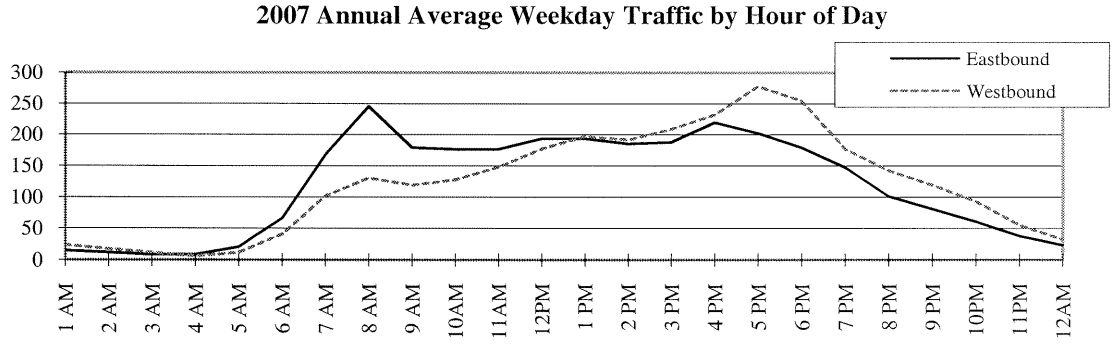
PERCENT BY HOUR

AM												PM											
1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
0.7	0.5	0.4	0.3	0.6	1.8	4.7	6.5	5.1	5.3	5.6	6.4	6.8	6.5	6.9	7.8	8.3	7.5	5.6	4.2	3.5	2.6	1.6	1.0

Permanent Traffic Recorder At 3rd Avenue (CDS Mi 0.508)







ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
TRAFFIC STUDIES FOR ROUTES IN SOUTHEAST REGION
FIXED RECORDER SUMMARY: 2007
RECORDER NUMBER 60012500 0

THIRD AVENUE EXTENSION - KETCHIKAN ***PTR*** TOTAL ON 291433 AT MILEPOINT 0.508

MONTH	MADT	%	6-10	10-6	MON	TUE	WED	THU	FRI	WKDY	SAT	SUN
JAN	3577	84.8	94.0	6.0	100.3	111.2	121.3	108.1	111.5	110.5	78.7	68.7
FEB	4101	97.2	94.9	5.1	108.4	109.3	116.8	104.1	109.0	109.5	90.0	62.5
MAR	3824	90.6	93.8	6.2	112.2	105.6	104.6	109.2	107.4	107.8	91.2	69.8
APR	4489	106.4	94.9	5.1	106.4	109.9	111.3	108.8	113.1	109.9	88.7	61.7
MAY	4841	114.7	94.5	5.5	102.4	116.0	108.5	112.8	110.8	110.1	84.1	65.4
JUN	4592	108.8	93.1	6.9	107.7	106.0	107.0	107.0	116.3	108.8	87.6	68.3
JUL	4295	101.8	92.9	7.1	107.0	109.2	110.3	108.0	108.6	108.6	88.4	68.6
AUG	4471	106.0	93.9	6.1	108.2	108.6	108.0	109.4	109.8	108.8	87.0	69.2
SEP	4703	111.5	94.7	5.3	88.3	115.8	115.1	117.7	117.8	110.9	83.3	62.2
OCT	4290	101.7	94.6	5.4	106.9	110.7	112.5	113.2	109.8	110.6	87.4	59.5
NOV	4039	95.7	94.7	5.3	107.6	114.4	114.9	100.2	108.8	109.2	88.3	65.6
DEC	3406	80.7	93.4	6.6	103.6	103.1	104.1	109.4	114.9	107.0	94.0	70.8
ANN	4219		94.1	5.9	104.9	110.0	111.2	109.0	111.5	109.3	87.4	66.0

HISTORICAL DATA

YEAR	AADT	NOTES
2007	4219	
2006	4800	
2005	4208	

HIGHEST DAYS

1ST	2ND	3RD	4TH	5TH	6TH	7TH	8TH	9TH	10TH	AVG
6390	6308	6218	5939	5833	5776	5766	5735	5712	5578	5926
05/24	05/22	06/01	05/21	05/31	05/23	05/25	05/29	09/07	05/08	
151.5	149.5	147.4	140.8	138.3	136.9	136.7	135.9	135.4	132.2	140.5

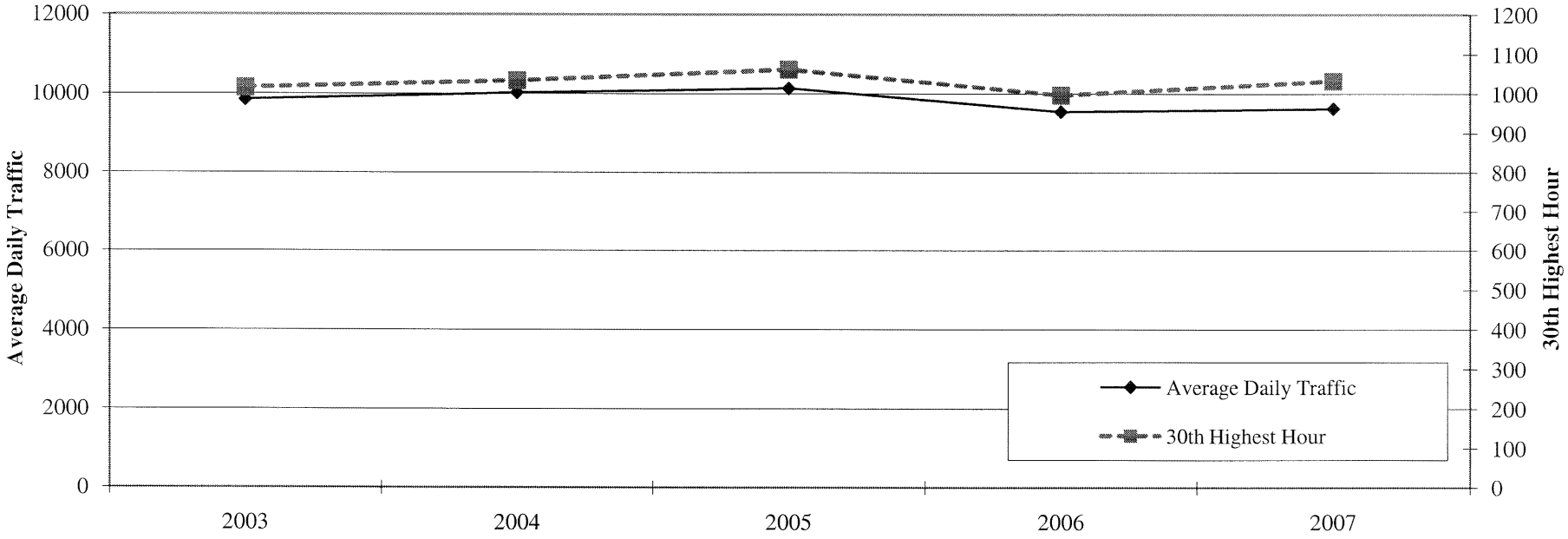
HIGHEST HOURS

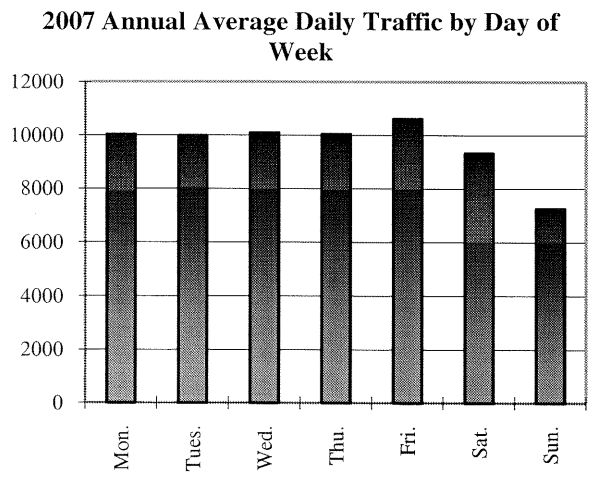
1ST	2ND	3RD	4TH	5TH	6TH	7TH	8TH	9TH	10TH	20TH	30TH	40TH	50TH	AVG
698	642	588	580	573	572	569	561	560	554	538	520	505	499	590
12	8	18	8	8	8	8	8	8	14	8	8	8	15	
07/04	09/04	05/24	05/23	09/11	05/21	09/06	09/05	05/22	07/04	09/14	05/15	10/23	06/01	
16.5	15.2	13.9	13.7	13.6	13.6	13.5	13.3	13.3	13.1	12.8	12.3	12.0	11.8	14.0

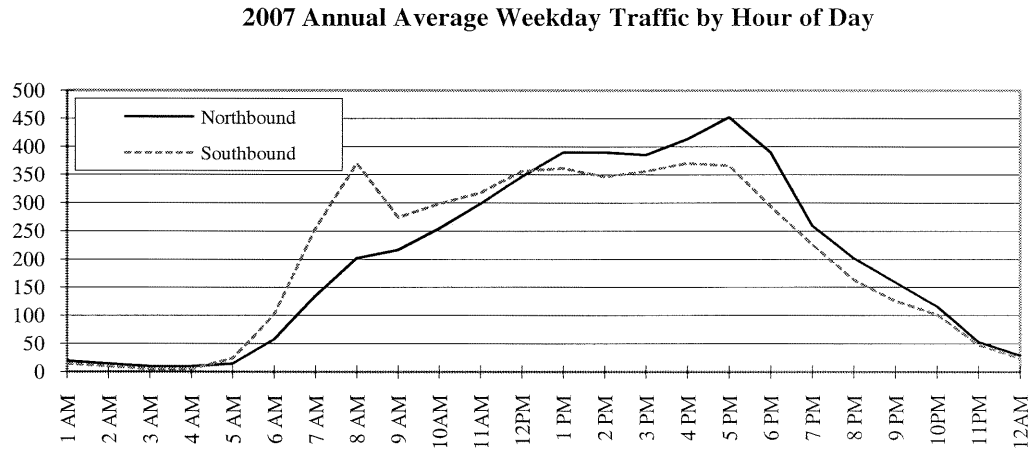
PERCENT BY HOUR

AM												PM											
1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
0.7	0.4	0.3	0.3	0.4	1.2	3.0	6.9	5.2	5.2	5.2	6.2	7.1	6.9	7.6	7.9	8.1	8.0	5.9	4.6	3.6	2.8	1.7	1.0

Permanent Traffic Recorder At N. Tongass Hwy (CDS Mi 1.33)







ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
TRAFFIC STUDIES FOR ROUTES IN SOUTHEAST REGION
FIXED RECORDER SUMMARY: 2007
RECORDER NUMBER 60087100 9

NORTH TONGASS PTR @ ROSES CABOOSE ON 291500 AT MILEPOINT 1.334

MONTH	MADT	%	6-10	10-6	MON	TUE	WED	THU	FRI	WKDY	SAT	SUN
JAN	7828	81.3	96.2	3.8	93.7	108.9	110.7	109.0	113.0	107.1	92.0	72.7
FEB	8761	91.0	96.4	3.6	105.5	105.9	107.7	103.4	109.9	106.5	95.0	72.6
MAR	8657	90.0	95.3	4.7	113.5	103.9	107.4	105.3	101.2	106.3	94.9	73.8
APR	9909	103.0	96.2	3.8	105.0	105.2	104.6	102.2	111.3	105.7	100.0	71.7
MAY	10665	110.8	95.7	4.3	101.4	105.2	102.2	104.9	110.0	104.7	97.0	79.3
JUN	10922	113.5	94.8	5.2	104.0	102.5	103.5	105.3	112.4	105.5	95.3	77.0
JUL	10729	111.5	94.6	5.4	104.5	105.5	99.9	105.0	109.2	104.8	97.3	78.6
AUG	10990	114.2	94.9	5.1	105.8	102.9	102.3	102.9	108.1	104.4	95.0	83.1
SEP	10145	105.4	95.5	4.5	100.6	105.2	103.4	105.9	111.1	105.2	97.0	76.9
OCT	9182	95.4	95.4	4.6	105.8	102.7	106.4	107.2	110.1	106.4	98.0	69.9
NOV	8963	93.1	95.4	4.6	107.1	106.7	108.9	93.5	113.7	106.0	98.1	72.1
DEC	8732	90.7	95.8	4.2	105.0	90.4	103.0	107.7	113.2	103.9	104.3	76.5
ANN	9624		95.5	4.5	104.3	103.8	105.0	104.4	110.3	105.5	97.0	75.4

HISTORICAL DATA

YEAR	AADT	NOTES
2007	9624	
2006	9545	
2005	10135	
2004	10018	
2003	9847	
2002	9883	

HIGHEST DAYS

1ST	2ND	3RD	4TH	5TH	6TH	7TH	8TH	9TH	10TH	AVG
13086	12424	12419	12407	12234	12228	12159	12093	11952	11911	12291
06/01	08/03	08/10	06/08	06/15	08/13	05/31	05/18	07/06	06/22	
136.0	129.1	129.0	128.9	127.1	127.1	126.3	125.7	124.2	123.8	127.7

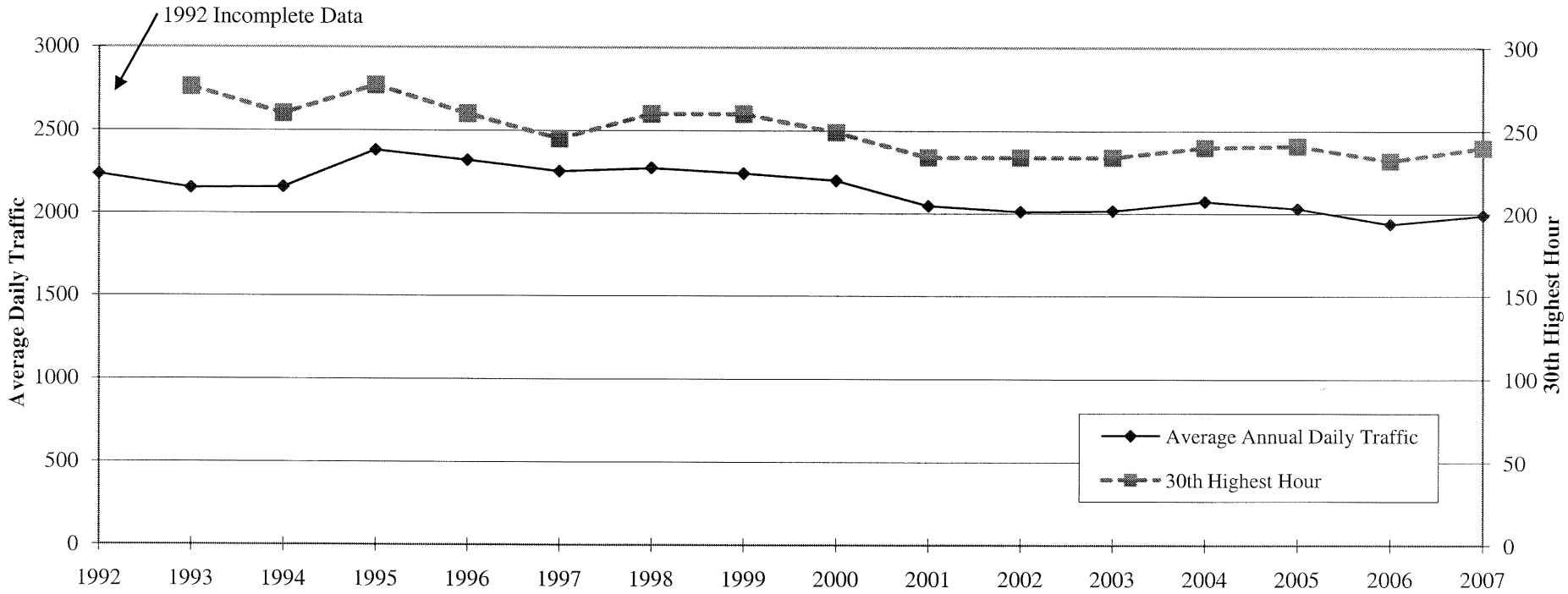
HIGHEST HOURS

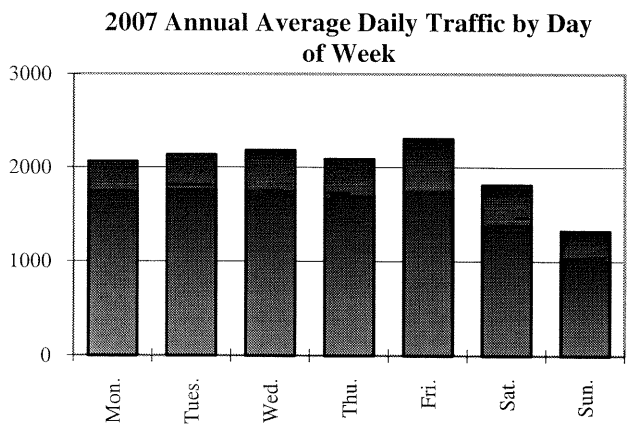
1ST	2ND	3RD	4TH	5TH	6TH	7TH	8TH	9TH	10TH	20TH	30TH	40TH	50TH	AVG
1136	1104	1098	1084	1084	1076	1074	1071	1071	1070	1056	1032	1024	1011	1087
17	17	17	17	17	17	17	17	17	17	17	17	17	17	
08/13	09/10	06/01	09/04	08/15	06/07	05/08	08/09	05/21	08/27	05/17	08/02	08/08	05/14	
11.8	11.5	11.4	11.3	11.3	11.2	11.2	11.1	11.1	11.1	11.0	10.7	10.6	10.5	11.3

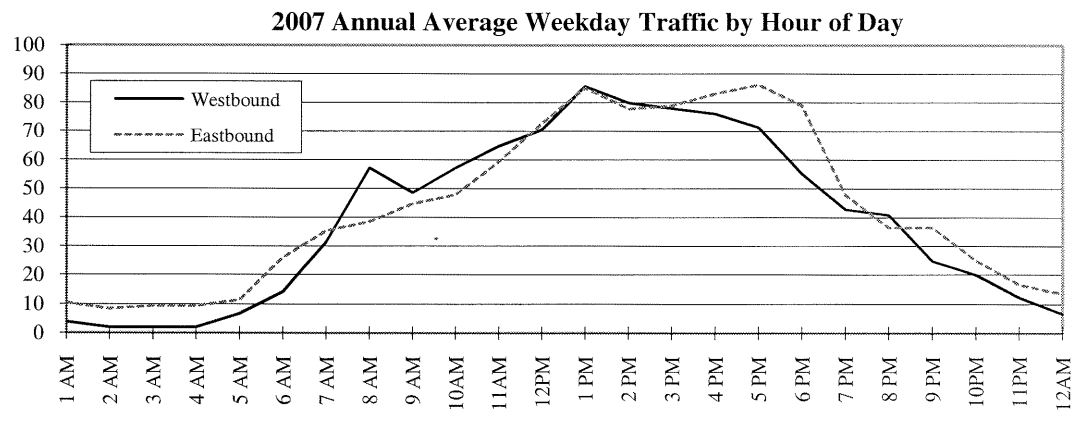
PERCENT BY HOUR

AM												PM											
1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
0.3	0.2	0.2	0.2	0.4	1.6	4.0	5.9	5.1	5.8	6.4	7.3	7.8	7.7	7.7	8.1	8.5	7.1	5.0	3.8	3.0	2.2	1.0	0.6

Permanent Traffic Recorder At Craig/Klawock/Hollis Hwy (CDS Mi 6.71)







ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
TRAFFIC STUDIES FOR ROUTES IN SOUTHEAST REGION
FIXED RECORDER SUMMARY: 2007
RECORDER NUMBER 60148000 0

CRAIG/KLAWOCK/HOLLIS BTW KLAWOCK R. BR. & BAYVIEW, KLAW ON 292000 AT MILEPOINT 6.709

MONTH	MADT	%	6-10	10-6	MON	TUE	WED	THU	FRI	WKDY	SAT	SUN
JAN	1435	72.1	95.4	4.6	86.5	116.2	119.9	108.9	115.4	109.4	90.1	62.7
FEB	1676	84.3	96.0	4.0	101.7	104.8	109.9	105.1	122.8	108.9	91.4	64.1
MAR	1554	78.1	93.6	6.4	105.0	108.0	106.8	105.8	115.4	108.2	93.8	65.5
APR	2209	111.1	90.3	9.7	110.3	107.6	103.6	103.1	113.9	107.7	93.3	68.2
MAY	2369	119.1	88.8	11.2	96.5	103.9	108.0	107.1	119.1	106.9	97.2	68.2
JUN	2386	120.0	89.1	10.9	105.7	105.8	107.8	105.1	115.0	107.9	90.4	70.2
JUL	2406	121.0	91.7	8.3	112.8	112.8	107.2	103.2	111.7	109.5	83.6	68.6
AUG	2321	116.7	90.8	9.2	104.0	104.1	108.5	105.3	115.9	107.6	90.9	71.5
SEP	2080	104.6	93.1	6.9	99.4	111.8	107.8	107.7	115.0	108.3	91.3	66.8
OCT	1928	96.9	95.0	5.0	104.6	107.5	113.5	107.3	117.2	110.0	88.5	61.2
NOV	1883	94.7	94.1	5.9	107.4	110.8	112.8	95.9	116.2	108.6	93.2	63.9
DEC	1619	81.4	95.0	5.0	111.9	95.9	112.3	107.1	113.0	108.0	92.0	67.9
ANN	1989		92.7	7.3	103.8	107.4	109.8	105.1	115.9	108.4	91.3	66.6

HISTORICAL DATA

YEAR	AADT	NOTES
2007	1989	
2006	1937	
2005	2031	
2004	2073	
2003	2017	
2002	2012	
2001	2047	
2000	2199	
1999	2241	
1998	2273	
1997	2253	
1996	2320	
1995	2380	
1994	2157	
1993	2152	

HIGHEST DAYS

1ST	2ND	3RD	4TH	5TH	6TH	7TH	8TH	9TH	10TH	AVG
2946	2912	2883	2872	2857	2846	2823	2818	2803	2779	2854
05/11	07/03	05/25	08/03	07/09	05/04	08/10	06/15	06/29	08/31	
148.1	146.4	144.9	144.4	143.6	143.1	141.9	141.7	140.9	139.7	143.5

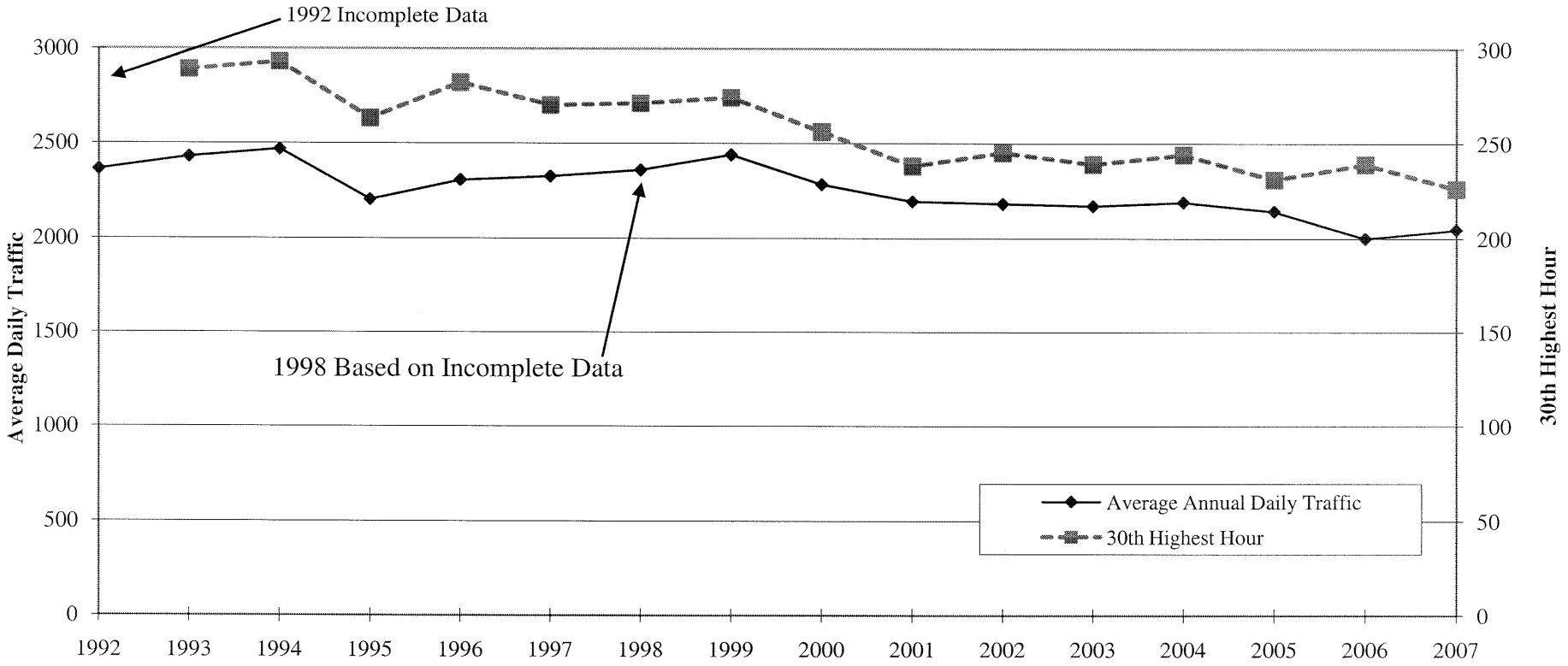
HIGHEST HOURS

1ST	2ND	3RD	4TH	5TH	6TH	7TH	8TH	9TH	10TH	20TH	30TH	40TH	50TH	AVG
281	268	264	264	263	263	262	261	260	259	247	240	236	231	265
13	13	13	17	17	15	12	17	16	16	17	13	13	13	
12/05	06/06	06/26	05/04	08/10	07/03	08/10	04/30	05/25	07/18	07/06	04/20	07/20	08/10	
14.1	13.5	13.3	13.3	13.2	13.2	13.2	13.1	13.1	13.0	12.4	12.1	11.9	11.6	13.3

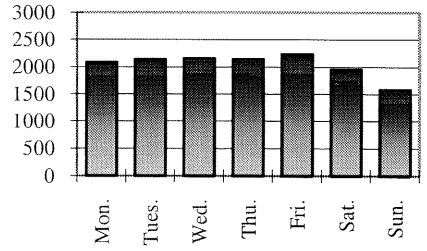
PERCENT BY HOUR

AM												PM											
1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
0.7	0.5	0.5	0.5	0.9	2.0	3.3	4.8	4.6	5.3	6.2	7.2	8.6	7.9	7.9	8.0	7.9	6.7	4.6	3.9	3.0	2.3	1.5	1.0

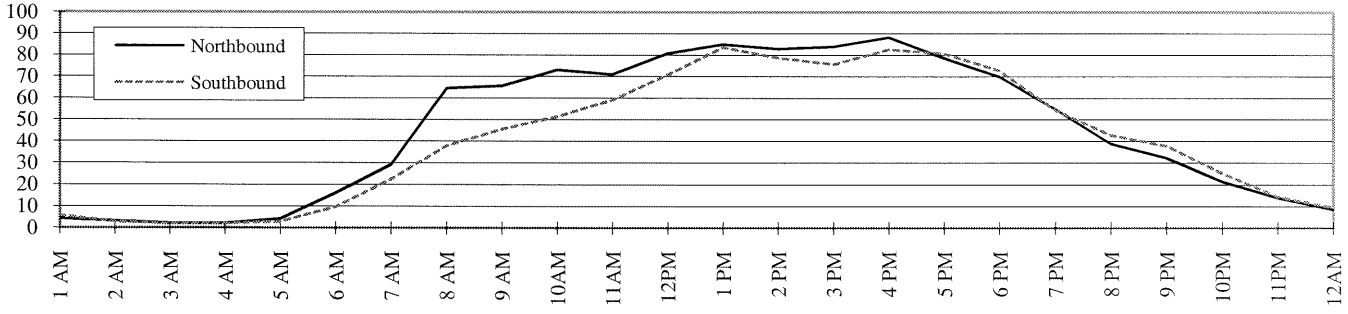
Permanent Traffic Recorder At Zimovia Hwy (CDS Mi 0.71)



2007 Annual Average Daily Traffic by Day of Week



2007 Annual Average Weekday Traffic by Hour of Day



ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
TRAFFIC STUDIES FOR ROUTES IN SOUTHEAST REGION
FIXED RECORDER SUMMARY: 2007
RECORDER NUMBER 60169159 9

WRANGELL PTR: ZIMOVIA HWY BTW BENNET & CASE WRANGELL ON 293300 AT MILEPOINT 0.707

MONTH	MADT	%	6-10	10-6	MON	TUE	WED	THU	FRI	WKDY	SAT	SUN
JAN	1671	81.7	94.3	5.7	93.0	109.3	108.8	106.6	111.3	105.8	96.2	74.7
FEB	1682	82.2	96.0	4.0	98.6	107.9	108.2	106.7	107.9	105.9	94.3	76.4
MAR	1725	84.4	94.8	5.2	107.4	105.3	104.5	103.5	107.7	105.7	98.0	73.5
APR	2089	102.2	96.0	4.0	102.7	103.9	101.8	105.9	109.2	104.7	97.7	78.9
MAY	2311	113.0	95.2	4.8	99.0	104.1	105.5	108.1	107.7	104.9	95.6	79.9
JUN	2432	118.9	93.8	6.2	99.4	100.7	102.4	105.9	111.7	104.0	100.0	79.9
JUL	2396	117.2	92.7	7.3	103.7	104.5	103.3	101.6	110.7	104.8	97.0	79.2
AUG	2362	115.5	94.3	5.7	101.6	101.8	104.0	107.7	107.6	104.5	95.5	81.9
SEP	2166	105.9	95.8	4.2	97.6	107.7	104.4	108.2	113.5	106.3	93.7	74.9
OCT	2016	98.6	95.6	4.4	103.2	104.3	109.2	106.4	109.1	106.4	94.3	73.6
NOV	1906	93.2	95.4	4.6	106.1	108.9	110.3	94.6	106.3	105.2	92.2	81.4
DEC	1785	87.3	94.8	5.2	111.3	98.4	106.1	106.1	110.0	106.4	93.7	74.5
ANN	2045		94.9	5.1	102.0	104.7	105.7	105.1	109.4	105.4	95.7	77.4

HISTORICAL DATA

YEAR	AADT	NOTES
2007	2045	
2006	2000	
2005	2142	
2004	2190	
2003	2170	
2002	2182	
2001	2194	
2000	2283	
1999	2439	
1998	2359	
1997	2326	
1996	2306	
1995	2204	
1994	2468	
1993	2428	

HIGHEST DAYS

1ST	2ND	3RD	4TH	5TH	6TH	7TH	8TH	9TH	10TH	AVG
2898	2890	2883	2871	2784	2779	2773	2764	2750	2732	2812
07/02	07/06	07/03	06/15	06/14	05/18	05/24	06/13	06/22	08/02	
141.7	141.3	141.0	140.4	136.1	135.9	135.6	135.2	134.5	133.6	137.5

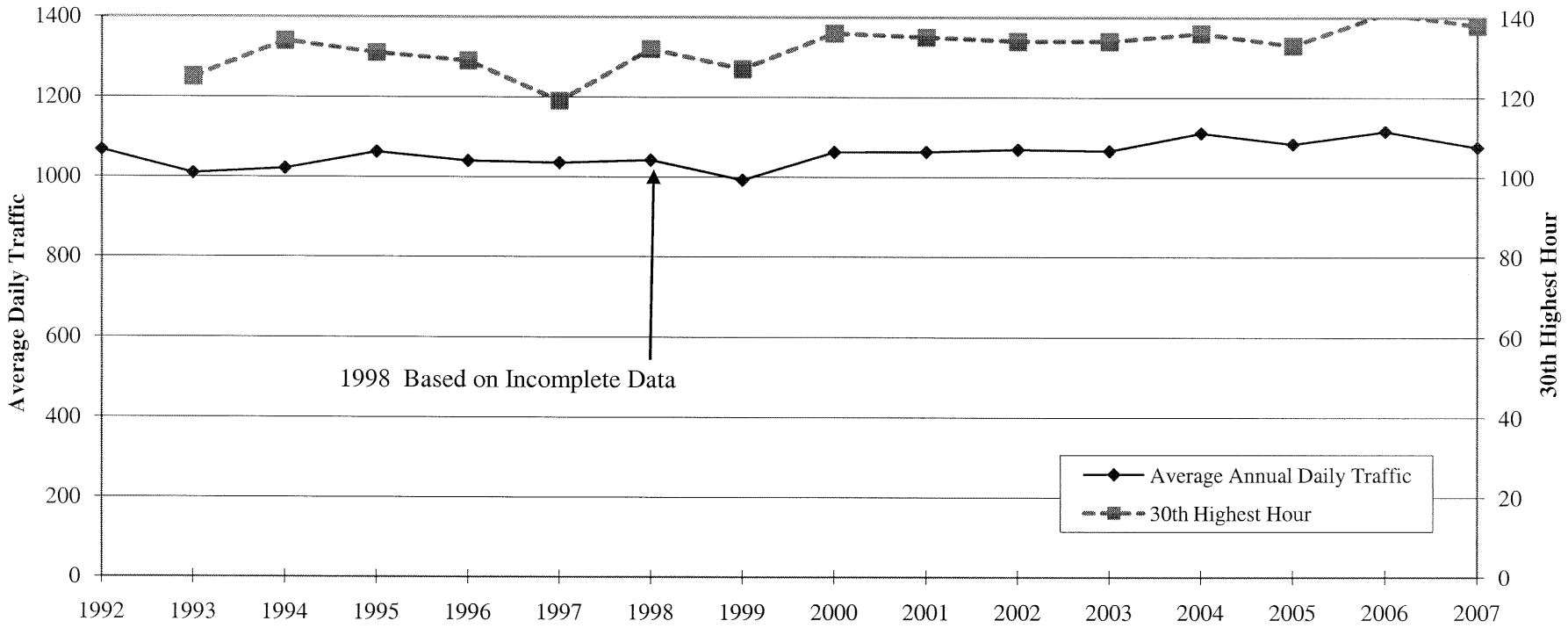
HIGHEST HOURS

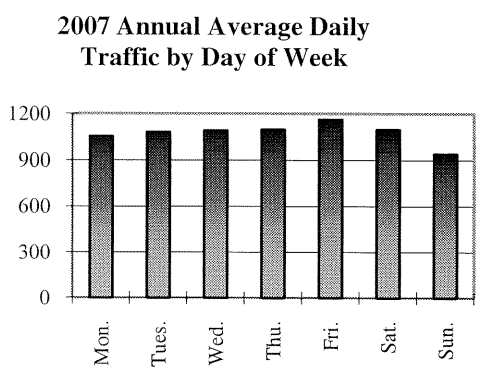
1ST	2ND	3RD	4TH	5TH	6TH	7TH	8TH	9TH	10TH	20TH	30TH	40TH	50TH	AVG
271	261	248	245	245	245	241	240	239	237	229	226	224	222	247
16	16	13	13	17	13	16	16	16	16	17	18	16	16	
09/20	05/24	06/15	08/10	06/22	05/23	11/26	05/15	06/15	05/18	07/06	05/23	07/02	11/09	
13.3	12.8	12.1	12.0	12.0	12.0	11.8	11.7	11.7	11.6	11.2	11.1	11.0	10.9	12.1

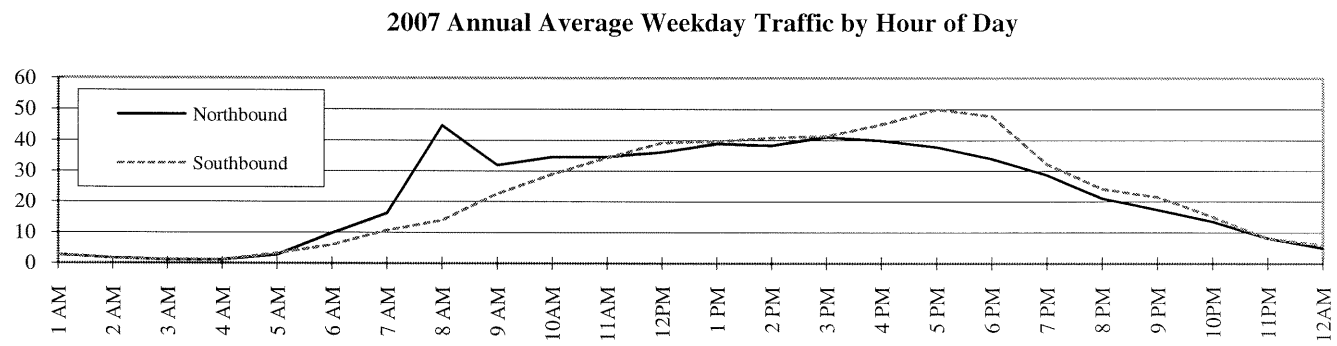
PERCENT BY HOUR

AM												PM											
1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
0.5	0.3	0.2	0.2	0.4	1.3	2.5	5.0	5.5	6.1	6.4	7.4	8.2	7.9	7.8	8.4	7.8	7.0	5.4	3.9	3.4	2.3	1.4	0.9

Permanent Traffic Recorder At Mitkof Hwy (CDS Mi 2.55)







ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
TRAFFIC STUDIES FOR ROUTES IN SOUTHEAST REGION
FIXED RECORDER SUMMARY: 2007
RECORDER NUMBER 60202000 9

MITKOF HWY, S JCT SCOW BAY LOOP - USFS WAREHOUSE, PETER ON 294000 AT MILEPOINT 2.550

MONTH	MADT	%	6-10	10-6	MON	TUE	WED	THU	FRI	WKDY	SAT	SUN
JAN	744	69.2	94.9	5.1	94.1	112.0	108.9	103.1	100.6	103.7	96.4	84.5
FEB	816	75.9	95.3	4.7	93.9	94.6	99.3	100.2	106.3	98.9	111.3	94.0
MAR	760	70.7	94.4	5.6	102.1	99.0	97.9	105.6	102.9	101.5	104.8	88.3
APR	1098	102.1	95.7	4.3	99.5	97.8	103.8	97.2	112.8	102.2	103.8	85.2
MAY	1320	122.8	94.2	5.8	101.5	103.2	98.5	107.9	104.1	103.0	94.4	90.6
JUN	1515	140.9	93.1	6.9	95.8	100.8	101.8	105.3	114.0	103.5	101.1	81.1
JUL	1311	122.0	93.1	6.9	92.7	103.7	103.7	104.5	110.9	103.1	101.9	82.2
AUG	1274	118.5	93.5	6.5	94.6	100.8	99.9	101.1	112.4	101.8	102.2	89.2
SEP	1222	113.7	94.8	5.2	97.2	102.0	97.6	103.7	113.1	102.7	99.8	86.4
OCT	1084	100.8	95.1	4.9	99.4	98.8	103.7	97.8	108.9	101.7	102.6	88.6
NOV	927	86.2	95.3	4.7	103.6	101.9	98.6	94.7	105.7	100.9	103.5	91.9
DEC	826	76.8	95.0	5.0	102.1	91.8	105.8	104.6	105.0	101.9	103.2	87.9
ANN	1075		94.5	5.5	98.0	100.5	101.6	102.1	108.1	102.1	102.1	87.5

HISTORICAL DATA

YEAR	AADT	NOTES
2007	1075	
2006	1115	
2005	1083	
2004	1111	
2003	1066	
2002	1069	
2001	1063	
2000	1062	
1999	992	
1998	1042	
1997	1035	
1996	1040	
1995	1062	
1994	1021	
1993	1009	

HIGHEST DAYS

1ST	2ND	3RD	4TH	5TH	6TH	7TH	8TH	9TH	10TH	AVG
1836	1781	1781	1741	1724	1697	1678	1667	1634	1620	1716
06/08	06/15	06/22	06/14	06/13	06/16	05/17	06/01	06/09	05/21	
170.8	165.7	165.7	162.0	160.4	157.9	156.1	155.1	152.0	150.7	159.6

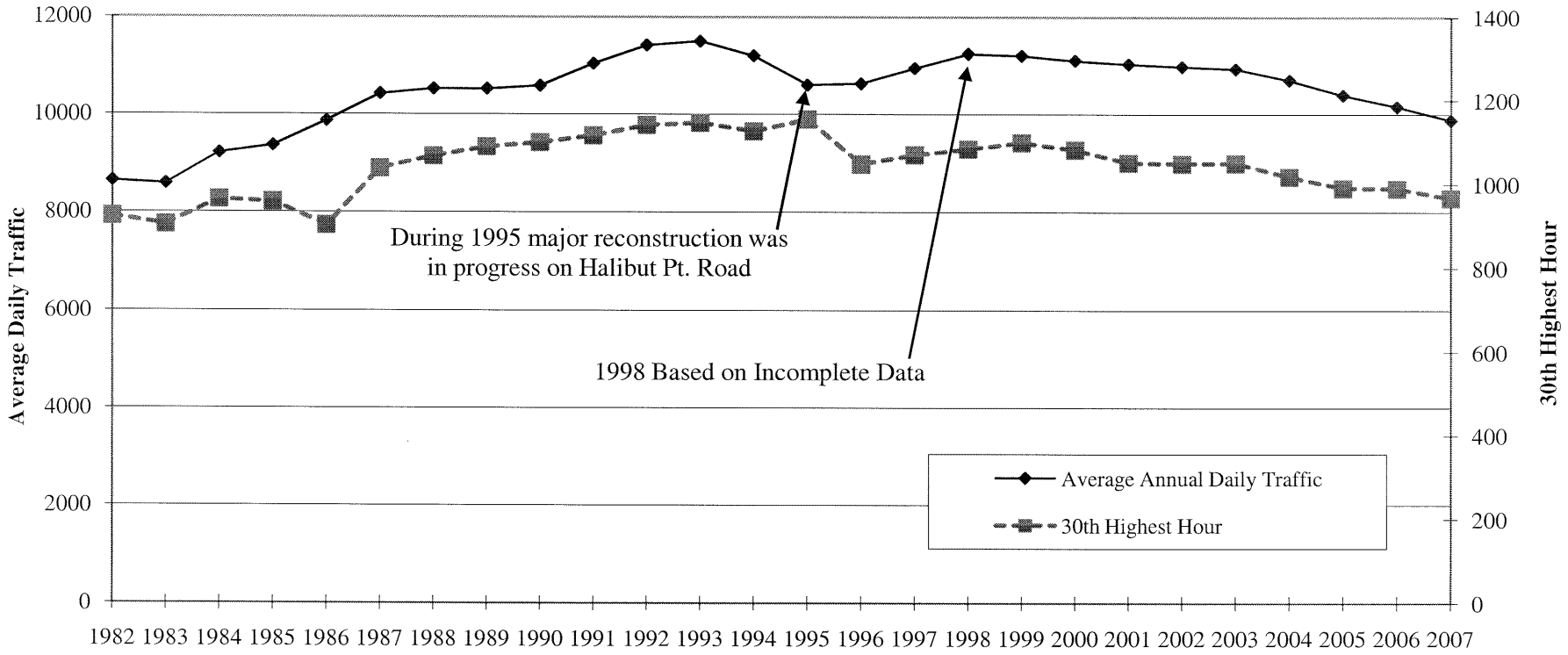
HIGHEST HOURS

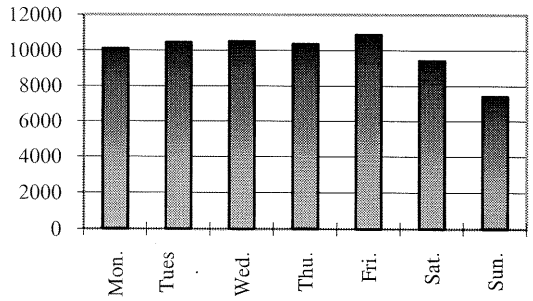
1ST	2ND	3RD	4TH	5TH	6TH	7TH	8TH	9TH	10TH	20TH	30TH	40TH	50TH	AVG
171	157	154	153	153	151	150	149	148	148	142	138	136	135	153
11	19	15	18	17	18	15	18	15	16	18	17	18	17	
06/16	05/17	05/20	07/20	06/08	05/18	06/16	06/15	06/09	06/16	07/12	07/06	09/11	06/28	
15.9	14.6	14.3	14.2	14.2	14.0	14.0	13.9	13.8	13.8	13.2	12.8	12.7	12.6	14.2

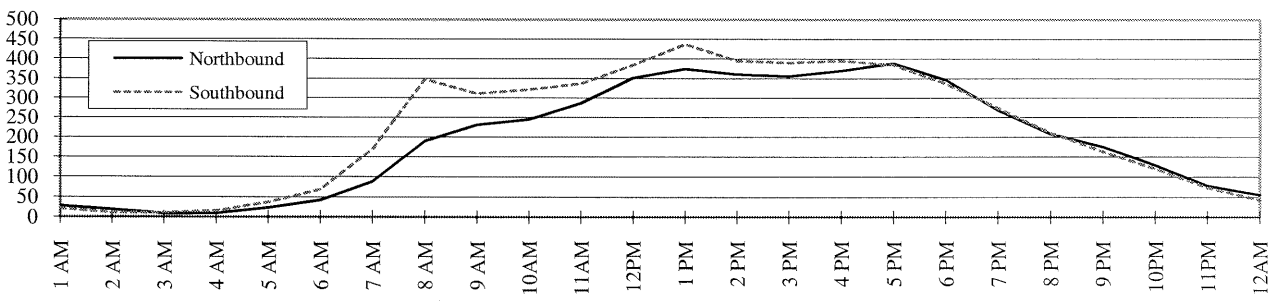
PERCENT BY HOUR

AM												PM											
1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
0.5	0.3	0.2	0.2	0.5	1.4	2.5	5.5	5.1	5.9	6.4	7.0	7.3	7.3	7.7	7.9	8.1	7.6	5.6	4.2	3.6	2.7	1.5	1.0

Permanent Traffic Recorder At 1 Mi. Halibut Pt. Road (CDS MP 0.53)







ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
TRAFFIC STUDIES FOR ROUTES IN SOUTHEAST REGION
FIXED RECORDER SUMMARY: 2007
RECORDER NUMBER 60561000 9

HALIBUT PT RD BTW KATLIAN & MARINE ST, SITKA ON 295400 AT MILEPOINT 0.533

MONTH	MADT	%	6-10	10-6	MON	TUE	WED	THU	FRI	WKDY	SAT	SUN
JAN	8505	86.1	94.2	5.8	88.6	108.0	110.8	110.2	114.4	106.4	96.3	71.8
FEB	9274	93.9	95.2	4.8	100.2	107.4	108.4	106.8	108.9	106.3	93.1	75.2
MAR	9193	93.0	94.0	6.0	106.0	105.9	107.7	102.3	108.7	106.1	96.8	72.6
APR	10426	105.5	95.4	4.6	104.6	103.3	105.3	103.7	109.9	105.4	99.8	73.4
MAY	10996	111.3	94.5	5.5	99.0	105.4	104.4	107.9	111.1	105.6	96.9	75.2
JUN	11310	114.5	93.4	6.6	103.7	106.3	105.3	105.7	109.3	106.1	92.0	77.8
JUL	10519	106.5	93.3	6.7	106.4	107.9	99.2	104.6	108.2	105.3	95.0	78.8
AUG	10652	107.8	94.3	5.7	105.7	103.9	105.4	103.1	108.3	105.3	94.7	78.8
SEP	10075	102.0	95.2	4.8	97.4	107.8	106.4	107.8	111.9	106.3	94.8	73.8
OCT	9763	98.8	95.3	4.7	104.8	107.8	109.2	101.8	109.2	106.6	95.0	72.3
NOV	9089	92.0	95.1	4.9	105.7	110.7	109.6	98.1	108.3	106.5	93.6	74.0
DEC	8760	88.7	94.7	5.3	106.2	94.9	105.5	106.9	113.9	105.5	97.2	75.5
ANN	9880		94.6	5.5	102.4	105.8	106.4	104.9	110.2	106.0	95.4	74.9

HISTORICAL DATA

YEAR	AADT	NOTES
2007	9880	
2006	10156	
2005	10391	
2004	10700	
2003	10933	
2002	10977	
2001	11029	
2000	11103	
1999	11205	
1998	11241	
1997	10946	
1996	10629	
1995	10599	
1994	11200	
1993	11502	
1992	11418	
1991	11043	
1990	10581	
1989	10516	
1988	10520	
1987	10418	
1986	9870	
1985	9365	
1984	9215	
1983	8585	

HIGHEST DAYS

1ST	2ND	3RD	4TH	5TH	6TH	7TH	8TH	9TH	10TH	AVG
12906	12741	12661	12621	12416	12383	12370	12271	12241	12232	12484
06/26	06/01	05/11	05/18	06/22	06/28	05/24	06/27	06/15	08/31	
130.6	129.0	128.1	127.7	125.7	125.3	125.2	124.2	123.9	123.8	126.4

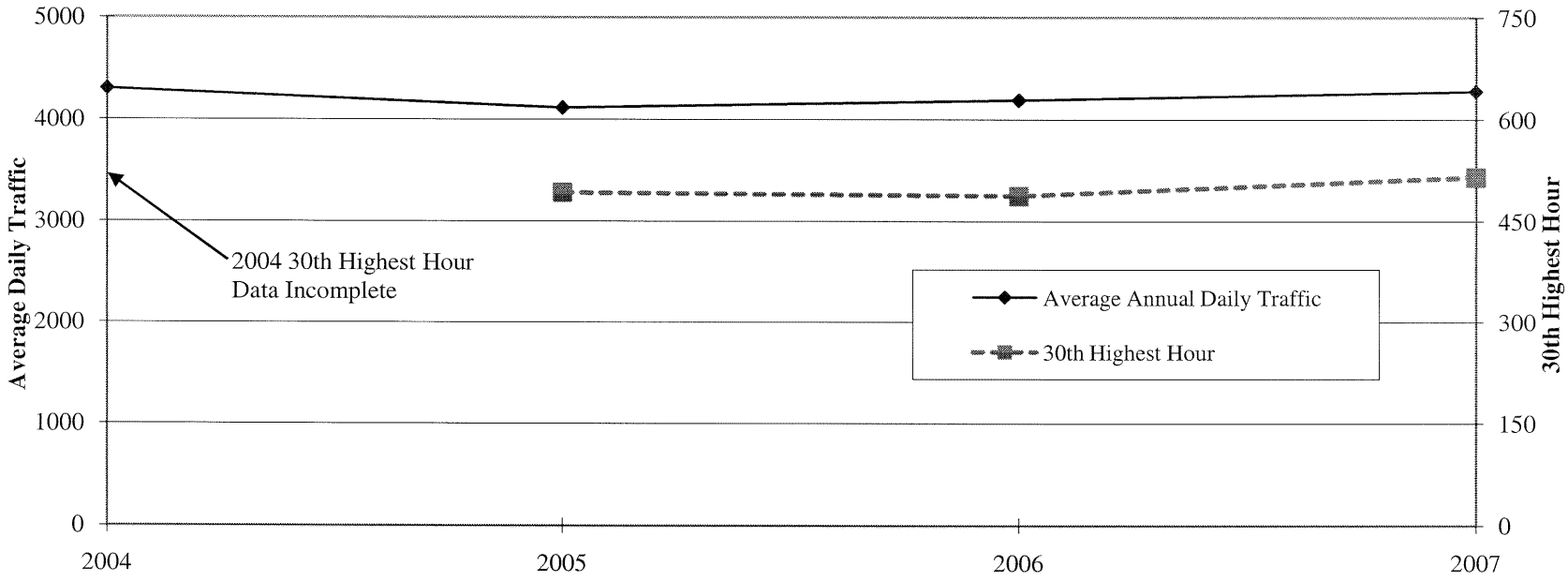
HIGHEST HOURS

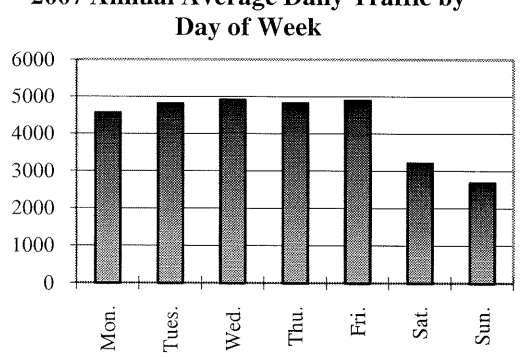
1ST	2ND	3RD	4TH	5TH	6TH	7TH	8TH	9TH	10TH	20TH	30TH	40TH	50TH	AVG
1090	1033	1014	1009	1005	1004	997	997	997	997	980	967	953	947	1014
13	13	17	13	17	17	18	13	17	17	17	17	13	17	
06/26	05/24	06/01	06/11	09/11	05/23	06/01	05/31	10/16	05/25	06/28	05/22	06/13	06/15	
11.0	10.5	10.3	10.2	10.2	10.2	10.1	10.1	10.1	10.1	9.9	9.8	9.6	9.6	10.3

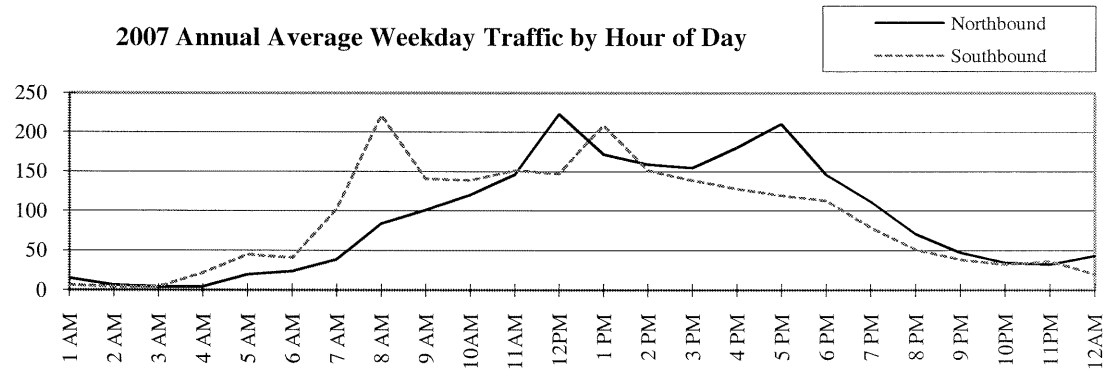
PERCENT BY HOUR

AM												PM											
1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
0.5	0.3	0.2	0.3	0.6	1.1	2.6	5.5	5.5	5.7	6.3	7.5	8.2	7.6	7.5	7.7	7.8	6.9	5.5	4.2	3.4	2.5	1.5	1.0

Permanent Traffic Recorder At Harbor Drive (CDS Mi 0.75)







ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
TRAFFIC STUDIES FOR ROUTES IN SOUTHEAST REGION
FIXED RECORDER SUMMARY: 2007
RECORDER NUMBER 60568000 9

HARBOR DRIVE BTW SEWARD AVE & TONGASS DR **PTR***TOTAL ON 295460 AT MILEPOINT 0.750

MONTH	MADT	%	6-10	10-6	MON	TUE	WED	THU	FRI	WKDY	SAT	SUN
JAN	3625	84.8	92.2	7.8	83.7	119.4	122.7	122.5	124.5	114.6	68.5	58.6
FEB	3908	91.4	93.2	6.8	108.2	112.7	115.7	115.7	114.4	113.3	71.7	61.5
MAR	4120	96.4	92.1	7.9	111.0	111.3	115.9	114.3	111.3	112.8	74.9	61.2
APR	4518	105.7	93.6	6.4	108.8	110.6	116.2	111.0	113.6	112.0	80.1	59.7
MAY	4692	109.8	92.4	7.6	101.4	112.3	112.6	116.0	113.1	111.1	81.0	63.6
JUN	5117	119.7	91.3	8.7	110.2	109.2	110.7	111.4	111.8	110.7	77.6	69.1
JUL	4813	112.6	91.7	8.3	111.0	114.4	103.6	111.8	112.2	110.6	77.9	69.1
AUG	4844	113.3	92.2	7.8	110.8	112.1	112.5	110.5	109.8	111.1	76.0	68.2
SEP	4109	96.1	93.0	7.0	100.1	115.4	117.7	113.6	117.2	112.8	74.0	62.0
OCT	4043	94.6	93.0	7.0	110.6	113.9	117.6	103.8	116.5	112.5	75.1	62.6
NOV	3839	89.8	92.6	7.4	115.6	119.6	119.4	105.3	111.5	114.3	68.8	59.7
DEC	3658	85.6	92.5	7.5	110.2	99.6	116.9	118.1	120.1	113.0	75.3	59.8
ANN	4274		92.5	7.5	106.8	112.5	115.1	112.8	114.7	112.4	75.1	62.9

HISTORICAL DATA

YEAR	AADT	NOTES
2007	4274	
2006	4187	
2005	4114	
2004	4301	

HIGHEST DAYS

1ST	2ND	3RD	4TH	5TH	6TH	7TH	8TH	9TH	10TH	AVG
6074	6013	5944	5899	5873	5863	5807	5755	5738	5725	5869
06/29	06/28	06/25	06/27	07/18	06/26	06/20	06/22	06/15	05/24	
142.1	140.7	139.1	138.0	137.4	137.2	135.9	134.7	134.3	133.9	137.3

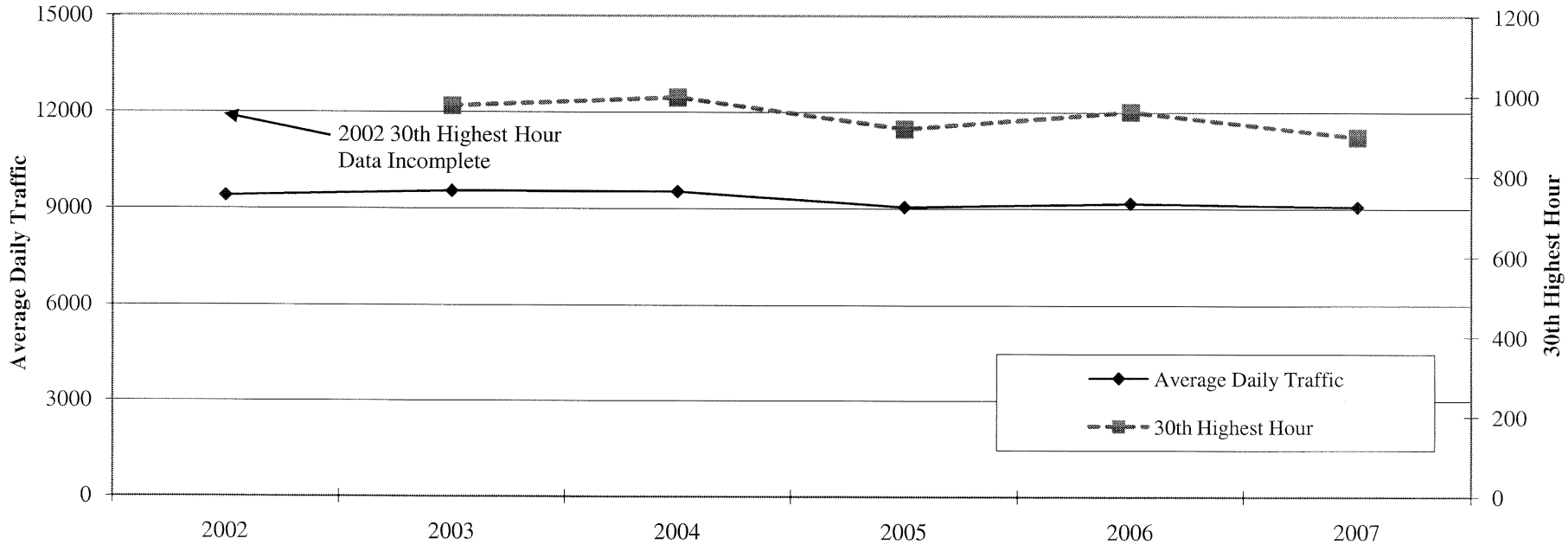
HIGHEST HOURS

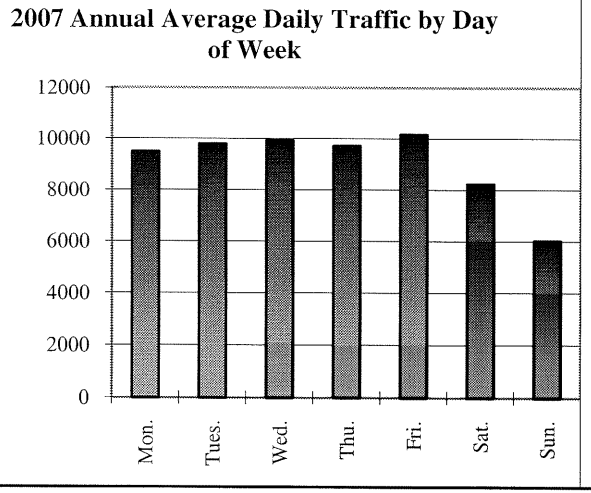
1ST	2ND	3RD	4TH	5TH	6TH	7TH	8TH	9TH	10TH	20TH	30TH	40TH	50TH	AVG
590	564	562	556	552	547	542	541	539	537	523	515	504	500	553
13	13	13	13	13	13	13	13	13	13	13	13	13	12	
06/19	06/20	06/26	07/24	07/18	06/18	06/29	06/27	07/31	07/23	08/01	08/30	07/09	05/22	
13.8	13.2	13.1	13.0	12.9	12.8	12.7	12.7	12.6	12.6	12.2	12.0	11.8	11.7	12.9

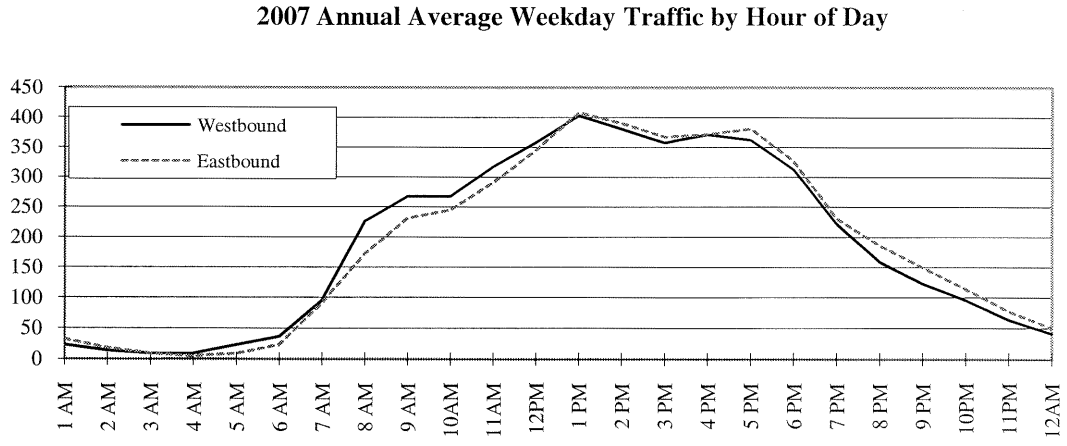
PERCENT BY HOUR

AM												PM											
1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
0.5	0.2	0.2	0.6	1.5	1.5	3.3	7.1	5.6	6.0	6.9	8.6	8.9	7.3	6.8	7.2	7.7	6.1	4.4	2.9	2.0	1.6	1.6	1.5

Permanent Traffic Recorder At Sawmill Creek Rd (CDS Mi 0.73)







ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
TRAFFIC STUDIES FOR ROUTES IN SOUTHEAST REGION
FIXED RECORDER SUMMARY: 2007
RECORDER NUMBER 60053100 0

SAWMILL CREEK RD @ INDIAN RIVER BRIDGE PTR - TOTAL SI ON 295500 AT MILEPOINT 0.730

MONTH	MADT	%	6-10	10-6	MON	TUE	WED	THU	FRI	WKDY	SAT	SUN
JAN	7946	87.7	94.4	5.6	86.1	111.3	116.4	114.0	117.0	109.0	91.5	63.7
FEB	8651	95.5	95.3	4.7	104.4	110.0	109.2	109.1	111.3	108.8	90.0	66.0
MAR	8292	91.6	94.7	5.3	108.8	108.4	110.1	109.5	109.8	109.3	89.9	63.5
APR	9409	103.9	95.6	4.4	108.5	106.0	107.6	105.3	112.5	108.0	95.0	65.1
MAY	9862	108.9	94.8	5.2	100.6	108.3	107.8	109.2	112.8	107.7	93.6	67.6
JUN	10056	111.0	93.7	6.3	108.4	106.0	105.3	104.9	114.8	107.9	87.7	73.0
AUG	9683	106.9	94.5	5.5	109.5	107.7	108.7	105.6	108.5	108.0	89.7	70.3
SEP	8989	99.2	95.3	4.7	98.6	111.9	109.7	110.5	111.4	108.4	90.4	67.5
OCT	8836	97.6	95.5	4.5	109.4	109.9	111.4	103.0	112.2	109.2	90.3	63.8
NOV	8336	92.0	95.4	4.6	110.4	112.3	111.5	99.5	110.2	108.8	90.0	66.0
DEC	8038	88.7	94.8	5.2	108.9	97.9	109.4	109.6	115.3	108.2	92.6	66.3
ANN	9057		94.9	5.1	104.9	108.2	109.7	107.3	112.3	108.5	91.0	66.6

HISTORICAL DATA

YEAR	AADT	NOTES
2007	9057	
2006	9168	
2005	9049	
2004	9525	
2003	9543	
2002	9398	

HIGHEST DAYS

1ST	2ND	3RD	4TH	5TH	6TH	7TH	8TH	9TH	10TH	AVG
11005	10855	10796	10637	10598	10574	10549	10546	10521	10497	10658
08/31	08/14	09/04	08/13	08/20	08/27	08/10	08/29	08/22	08/24	
121.5	119.9	119.2	117.4	117.0	116.7	116.5	116.4	116.2	115.9	117.7

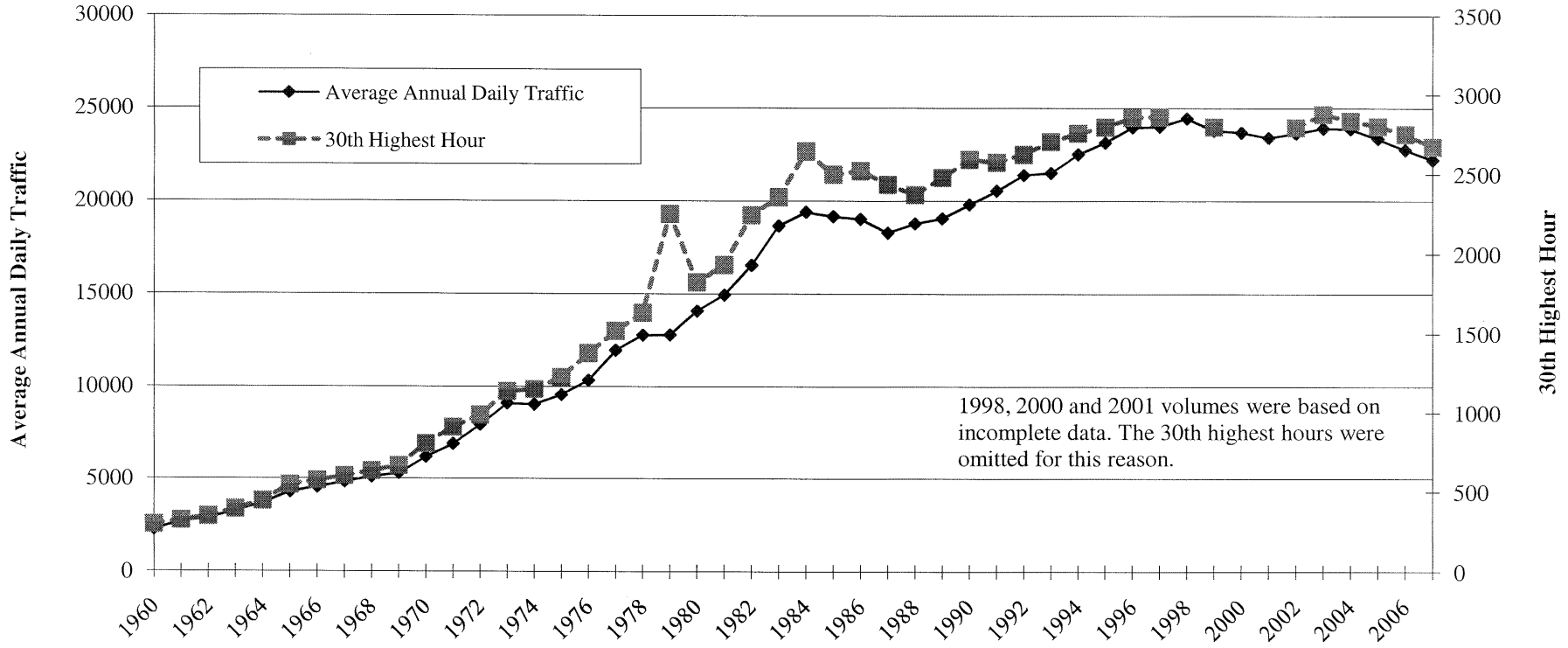
HIGHEST HOURS

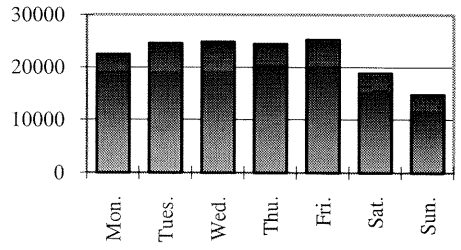
1ST	2ND	3RD	4TH	5TH	6TH	7TH	8TH	9TH	10TH	20TH	30TH	40TH	50TH	AVG
970	949	946	940	940	937	936	934	930	927	908	898	892	887	941
13	17	13	16	13	13	13	13	17	13	13	14	17	18	
09/04	10/17	08/20	10/29	08/30	08/22	11/05	01/03	10/09	10/17	11/16	01/03	09/13	08/14	
10.7	10.5	10.4	10.4	10.4	10.3	10.3	10.3	10.3	10.2	10.0	9.9	9.8	9.8	10.4

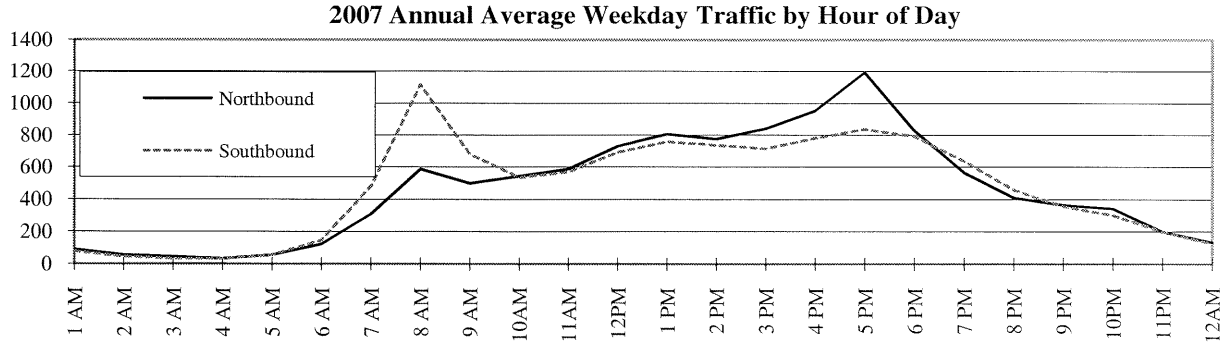
PERCENT BY HOUR

AM												PM											
1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
0.6	0.3	0.2	0.2	0.3	0.7	2.1	4.4	5.5	5.6	6.7	7.8	8.9	8.5	8.0	8.2	8.2	7.0	5.0	3.8	3.0	2.3	1.5	1.0

Permanent Traffic Recorder At 3 Mi. Egan Dr. (CDS MP 2.58)







ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
TRAFFIC STUDIES FOR ROUTES IN SOUTHEAST REGION
FIXED RECORDER SUMMARY: 2007
RECORDER NUMBER 60333000 9

EGAN BTW TWIN LKS DR & GLACIER AVE @ 3 MILEPOST EGAN ON 296000 AT MILEPOINT 2.579

MONTH	MADT	%	6-10	10-6	MON	TUE	WED	THU	FRI	WKDY	SAT	SUN
JAN	18914	85.2	93.3	6.7	82.6	116.0	119.5	118.1	117.1	110.7	83.5	63.3
FEB	20982	94.5	93.9	6.1	100.1	112.2	111.6	111.9	114.1	110.0	86.1	63.9
MAR	20192	91.0	92.9	7.1	96.4	113.0	114.1	112.9	111.1	109.5	87.5	65.0
APR	23279	104.9	94.3	5.7	105.8	108.8	110.5	111.5	115.0	110.3	86.0	62.4
MAY	24430	110.1	94.0	6.0	99.3	111.4	110.7	110.8	114.0	109.2	84.7	69.1
JUN	25084	113.0	92.8	7.2	103.5	110.4	109.8	109.6	111.5	109.0	84.2	71.0
JUL	24409	110.0	92.2	7.8	106.0	112.0	104.9	109.0	109.5	108.3	85.4	73.3
AUG	24511	110.4	93.4	6.6	106.4	109.3	111.0	110.1	109.0	109.2	83.2	71.0
SEP	22989	103.6	94.0	6.0	98.5	112.6	113.4	111.2	116.9	110.5	80.7	66.7
OCT	21456	96.7	94.0	6.0	107.9	111.5	113.7	106.5	114.6	110.8	84.0	61.7
NOV	20292	91.4	94.0	6.0	103.3	113.3	113.8	100.6	115.2	109.2	88.7	65.1
DEC	19843	89.4	93.3	6.7	105.6	97.4	110.6	113.0	120.5	109.4	86.8	66.1
ANN	22198		93.5	6.5	101.3	110.7	112.0	110.4	114.0	109.7	85.1	66.6

HISTORICAL DATA

YEAR	AADT	NOTES
2007	22198	
2006	22744	
2005	23341	
2004	23863	
2003	23902	
2002	23637	
2001	23514	
2000	23681	
1999	23785	
1998	24433	
1997	23992	
1996	23947	
1995	23124	
1994	22496	
1993	21503	
1992	21383	
1991	20532	
1990	19791	
1989	19049	
1988	18778	
1987	18275	
1986	18993	
1985	19155	
1984	19388	
1983	18654	

HIGHEST DAYS

1ST	2ND	3RD	4TH	5TH	6TH	7TH	8TH	9TH	10TH	AVG
30737	29319	28864	28483	28395	28160	28131	28113	28091	28062	28636
07/03	06/01	06/28	05/18	05/31	05/15	09/12	06/15	06/19	06/26	
138.5	132.1	130.0	128.3	127.9	126.9	126.7	126.6	126.5	126.4	129.0

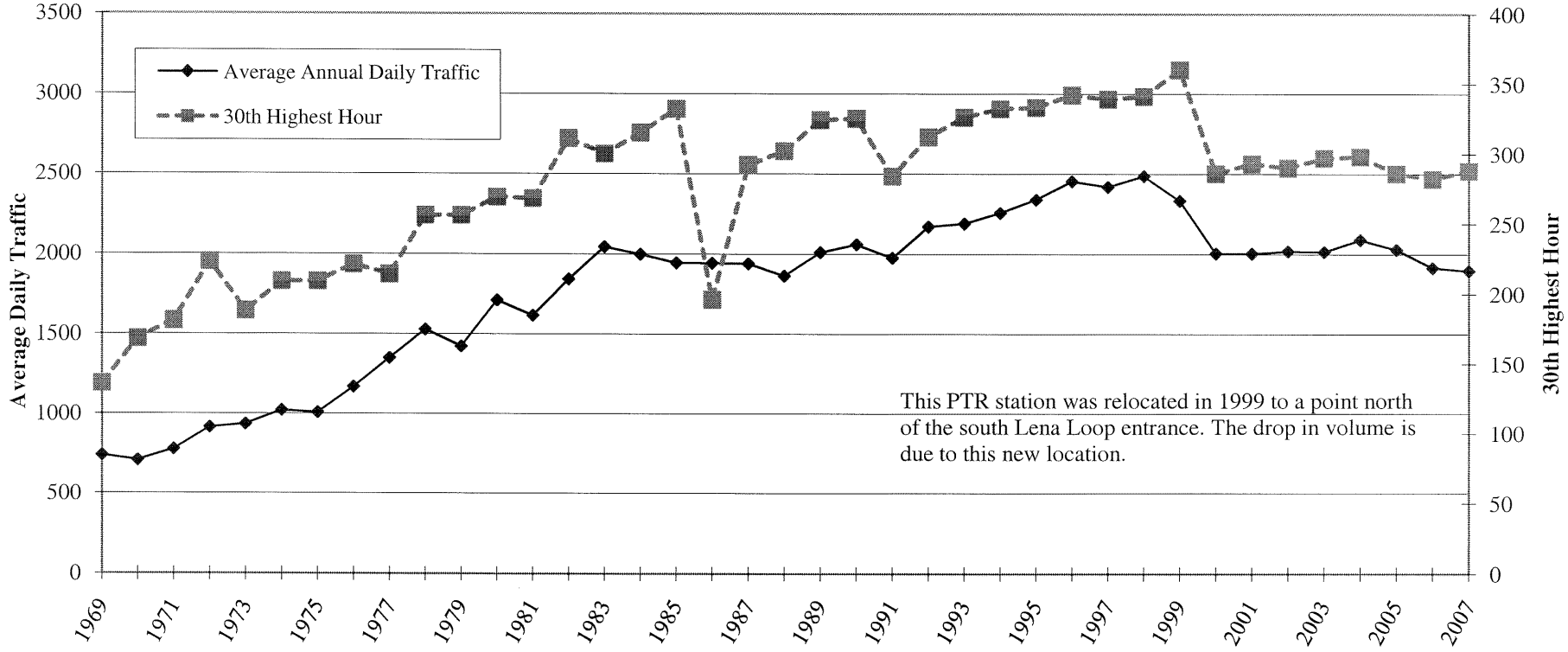
HIGHEST HOURS

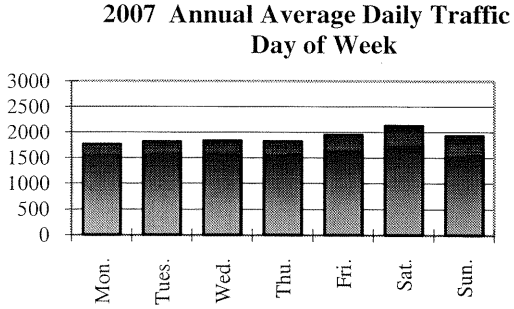
1ST	2ND	3RD	4TH	5TH	6TH	7TH	8TH	9TH	10TH	20TH	30TH	40TH	50TH	AVG
2800	2763	2755	2752	2750	2750	2733	2732	2727	2719	2683	2674	2654	2641	2748
17	17	17	17	17	8	8	8	17	17	17	17	17	17	
05/31	06/28	08/20	05/22	06/19	05/23	09/05	05/15	08/15	08/29	05/15	05/16	07/25	04/19	
12.6	12.4	12.4	12.4	12.4	12.4	12.3	12.3	12.3	12.2	12.1	12.0	12.0	11.9	12.4

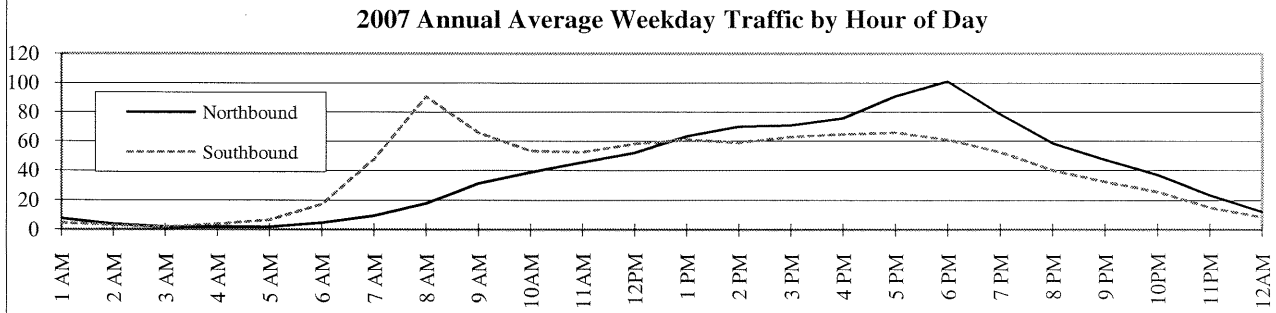
PERCENT BY HOUR

AM												PM											
1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
0.8	0.4	0.3	0.3	0.5	1.2	3.6	7.6	5.3	4.8	5.2	6.4	7.1	6.8	7.0	7.8	9.2	7.3	5.4	3.9	3.2	2.9	1.8	1.2

Permanent Traffic Recorder At 16 Mile Glacier Hwy. (CDS MP 14.07)







ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
TRAFFIC STUDIES FOR ROUTES IN SOUTHEAST REGION
FIXED RECORDER SUMMARY: 2007
RECORDER NUMBER 60311000 9

GLACIER HWY BTW S LENA LOOP & AUKE REC ROAD JUNEAU ON 296000 AT MILEPOINT 14.072

MONTH	MADT	%	6-10	10-6	MON	TUE	WED	THU	FRI	WKDY	SAT	SUN
JAN	1391	73.4	93.3	6.7	95.5	106.3	108.3	103.2	100.3	102.7	95.4	91.0
FEB	1514	79.9	94.3	5.7	95.3	99.2	94.4	97.2	102.1	97.6	109.8	102.1
MAR	1385	73.0	93.3	6.7	94.3	102.6	99.2	98.1	98.3	98.5	117.9	89.5
APR	1923	101.4	94.4	5.6	86.9	93.6	98.0	93.9	102.7	95.0	122.9	102.2
MAY	2374	125.2	93.5	6.5	95.9	90.3	90.4	92.4	107.2	95.2	117.0	106.9
JUN	2546	134.3	91.8	8.2	82.8	94.6	91.7	93.8	110.6	94.7	121.2	105.2
JUL	2453	129.4	92.8	7.2	84.6	90.7	94.3	92.6	97.8	92.0	115.7	124.2
AUG	2451	129.3	93.7	6.3	90.4	91.4	92.4	95.5	100.3	94.0	114.3	115.7
SEP	1996	105.3	94.8	5.2	101.0	95.9	93.5	95.5	103.8	97.9	110.5	99.9
OCT	1707	90.0	94.6	5.4	97.0	96.1	99.6	96.0	104.3	98.6	108.9	98.1
NOV	1563	82.4	94.3	5.7	94.8	98.4	100.3	94.4	104.0	98.4	112.9	95.4
DEC	1447	76.3	93.4	6.6	103.5	92.1	101.8	102.7	104.2	100.9	103.4	92.4
ANN	1896		93.7	6.3	93.5	95.9	97.0	96.3	103.0	97.1	112.5	101.9

HISTORICAL DATA

YEAR	AADT	NOTES
2007	1896	
2006	1914	
2005	2028	
2004	2089	
2003	2015	
2002	2019	
2001	2007	
2000	2005	
1999	2333	
1998	2487	
1997	2419	
1996	2454	
1995	2339	
1994	2256	
1993	2190	
1992	2171	
1991	1975	
1990	2060	
1989	2010	
1988	1862	
1987	1939	
1986	1942	
1985	1944	
1984	1997	
1983	2044	

HIGHEST DAYS

1ST	2ND	3RD	4TH	5TH	6TH	7TH	8TH	9TH	10TH	AVG
3683	3662	3628	3540	3489	3361	3350	3258	3173	3128	3427
08/12	06/09	08/11	06/16	05/20	07/15	05/19	07/22	07/29	05/18	
194.3	193.1	191.4	186.7	184.0	177.3	176.7	171.8	167.4	165.0	180.7

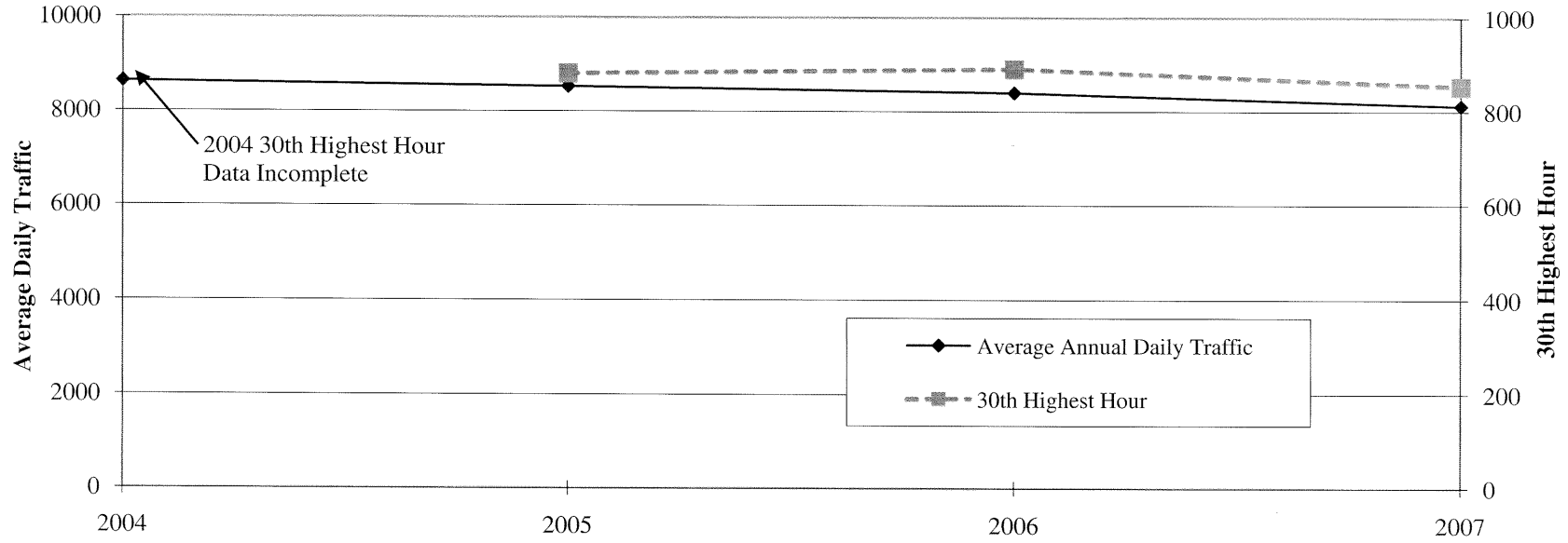
HIGHEST HOURS

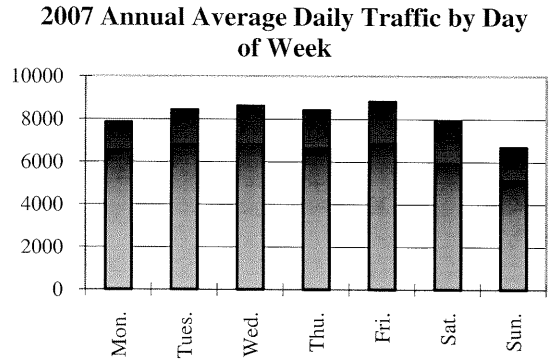
1ST	2ND	3RD	4TH	5TH	6TH	7TH	8TH	9TH	10TH	20TH	30TH	40TH	50TH	AVG
343	338	336	335	325	321	316	316	315	315	304	288	280	274	326
14	18	14	17	16	16	16	16	17	16	17	14	15	13	
07/29	08/11	08/12	08/12	08/11	09/03	06/09	04/22	06/09	08/12	08/11	07/22	09/02	05/20	
18.1	17.8	17.7	17.7	17.1	16.9	16.7	16.7	16.6	16.6	16.0	15.2	14.8	14.5	17.2

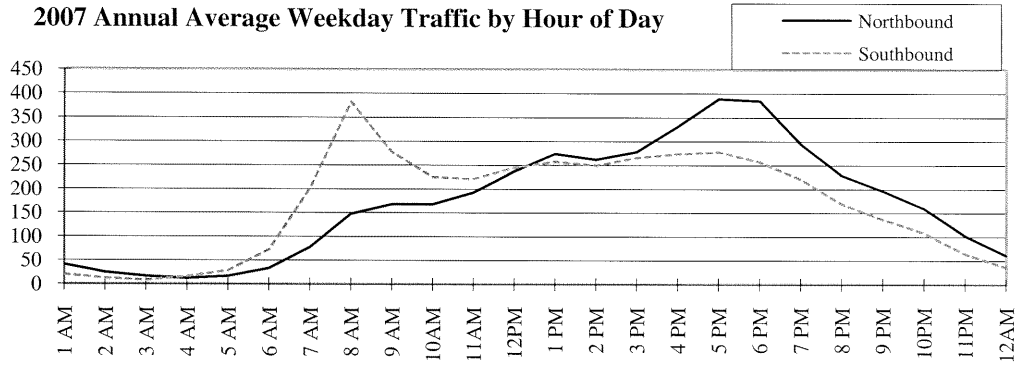
PERCENT BY HOUR

AM												PM											
1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
0.7	0.4	0.2	0.3	0.5	1.1	3.0	5.7	5.1	4.8	5.1	5.8	6.5	6.8	7.0	7.4	8.2	8.6	6.9	5.2	4.2	3.3	2.1	1.1

Permanent Traffic Recorder At Douglas Hwy (CDS Mi 1.04)







ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
TRAFFIC STUDIES FOR ROUTES IN SOUTHEAST REGION
FIXED RECORDER SUMMARY: 2007
RECORDER NUMBER 60348000 9

DOUGLAS HIGHWAY AT JOHN STREET **PTR***TOTAL*** ON 296110 AT MILEPOINT 1.036

MONTH	MADT	%	6-10	10-6	MON	TUE	WED	THU	FRI	WKDY	SAT	SUN
JAN	7076	87.2	92.3	7.7	85.3	110.1	112.1	104.1	111.3	104.6	96.8	80.3
FEB	7700	94.8	92.6	7.4	97.4	105.0	104.9	105.9	107.3	104.1	97.4	82.2
MAR	7285	89.7	89.7	10.3	94.8	106.2	109.8	105.8	104.5	104.2	99.0	80.0
APR	8543	105.2	93.4	6.6	97.8	102.4	104.0	104.2	108.8	103.4	99.4	83.4
MAY	8892	109.5	92.7	7.3	97.6	104.8	103.6	105.6	109.7	104.3	95.5	83.3
JUN	8822	108.7	91.3	8.7	97.5	102.0	100.5	103.9	113.7	103.5	99.3	83.1
JUL	8685	107.0	91.1	8.9	98.0	106.1	108.8	102.5	105.2	104.1	95.1	84.3
AUG	8788	108.2	92.3	7.7	98.8	100.6	104.3	105.0	107.8	103.3	97.7	85.8
SEP	8345	102.8	93.0	7.0	95.4	106.5	105.8	106.0	109.1	104.6	94.7	82.3
OCT	8133	100.2	93.0	7.0	100.2	104.8	106.9	100.9	107.4	104.0	99.7	80.1
NOV	7713	95.0	92.8	7.2	98.5	105.3	107.8	97.6	109.1	103.7	100.5	81.2
DEC	7445	91.7	92.0	8.0	101.4	94.5	105.6	103.8	111.1	103.3	100.0	83.6
ANN	8119		92.2	7.8	96.9	104.0	106.2	103.8	108.8	103.9	97.9	82.5

HISTORICAL DATA

YEAR	AADT	NOTES
2007	8119	
2006	8399	
2005	8528	
2004	8638	

HIGHEST DAYS

1ST	2ND	3RD	4TH	5TH	6TH	7TH	8TH	9TH	10TH	AVG
11630	11437	10921	10348	10201	10033	9942	9908	9875	9810	10411
07/04	07/03	06/01	05/18	06/15	05/31	06/28	06/08	06/29	05/25	
143.2	140.9	134.5	127.5	125.6	123.6	122.5	122.0	121.6	120.8	128.2

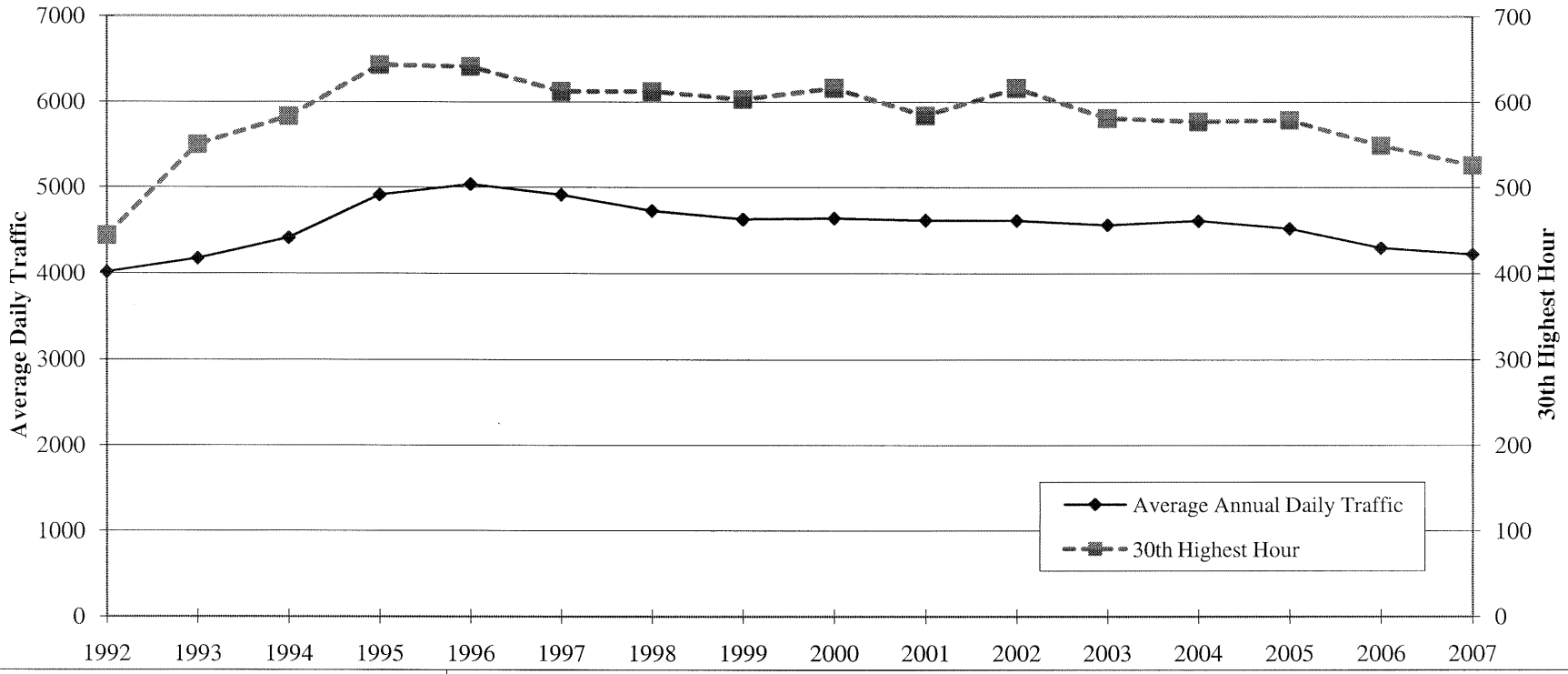
HIGHEST HOURS

1ST	2ND	3RD	4TH	5TH	6TH	7TH	8TH	9TH	10TH	20TH	30TH	40TH	50TH	AVG
1267	1025	960	937	926	924	909	908	906	905	871	853	842	835	967
17	16	18	18	18	18	18	18	18	14	18	18	18	17	
07/04	07/04	06/01	07/04	04/19	05/22	05/17	05/15	05/29	07/04	06/28	06/26	09/11	05/18	
15.6	12.6	11.8	11.5	11.4	11.4	11.2	11.2	11.2	11.1	10.7	10.5	10.4	10.3	11.9

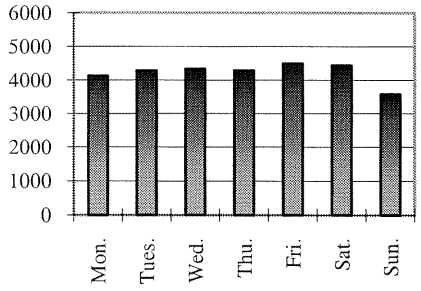
PERCENT BY HOUR

AM												PM											
1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
0.9	0.5	0.4	0.4	0.6	1.4	3.4	5.9	5.1	4.8	5.1	6.0	6.8	6.4	6.4	7.3	8.2	7.9	6.3	4.9	4.2	3.5	2.3	1.4

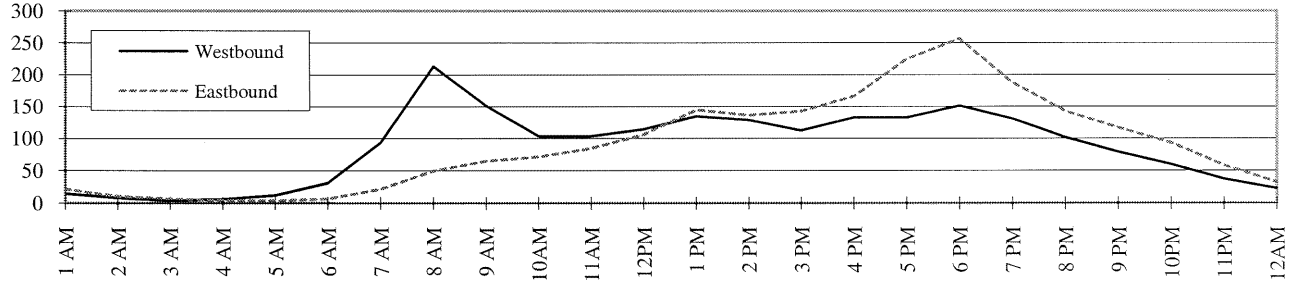
Permanent Traffic Recorder At Riverside Dr. (CDS Mi 1.47)



2007 Annual Average Daily Traffic by Day of Week



2007 Annual Average Weekday Traffic by Hour of Day



ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
TRAFFIC STUDIES FOR ROUTES IN SOUTHEAST REGION
FIXED RECORDER SUMMARY: 2007
RECORDER NUMBER 60500370 0

RIVERSIDE PTR CEMETARY ACCESS TO DIVISION JUNEAU ON 296500 AT MILEPOINT 1.471

MONTH	MADT	%	6-10	10-6	MON	TUE	WED	THU	FRI	WKDY	SAT	SUN
JAN	3910	92.5	92.9	7.1	86.8	106.3	105.3	104.0	109.9	102.5	101.9	85.8
FEB	4038	95.6	93.6	6.4	97.7	104.3	105.4	100.5	106.1	102.8	101.1	84.8
MAR	3955	93.6	93.2	6.8	96.1	102.7	104.0	103.8	106.0	102.5	102.6	84.7
APR	4378	103.6	93.9	6.1	99.7	100.1	102.2	100.8	105.6	101.7	110.2	81.3
MAY	4758	112.6	93.7	6.3	95.2	101.1	99.9	102.4	108.2	101.4	109.8	83.3
JUN	4762	112.7	91.9	8.1	96.4	101.8	99.4	102.0	105.0	100.9	110.3	85.0
JUL	4425	104.7	92.1	7.9	98.0	101.2	94.8	102.3	106.7	100.6	105.4	91.6
AUG	4413	104.4	93.1	6.9	98.7	99.6	105.1	103.2	103.1	101.9	103.1	87.2
SEP	4165	98.6	94.4	5.6	97.5	104.5	101.6	100.4	107.7	102.3	104.1	84.1
OCT	4039	95.6	94.4	5.6	101.8	102.8	105.0	99.9	104.6	102.8	104.7	81.1
NOV	3894	92.2	93.9	6.1	102.7	103.5	103.9	95.5	105.4	102.2	105.1	83.8
DEC	3965	93.8	93.0	7.0	105.8	90.2	104.2	102.8	108.1	102.2	103.5	85.4
ANN	4225		93.3	6.7	98.0	101.5	102.6	101.5	106.4	102.0	105.2	84.8

HISTORICAL DATA

YEAR	AADT	NOTES
2007	4225	
2006	4298	
2005	4522	
2004	4613	
2003	4563	
2002	4615	
2001	4617	
2000	4641	
1999	4630	
1998	4727	
1997	4914	
1996	5036	
1995	4912	
1994	4413	
1993	4173	
1992	4014	

HIGHEST DAYS

1ST	2ND	3RD	4TH	5TH	6TH	7TH	8TH	9TH	10TH	AVG
5725	5629	5578	5513	5453	5416	5249	5228	5216	5187	5419
05/18	06/16	05/05	06/02	06/01	05/12	05/19	06/09	07/13	05/31	
135.5	133.2	132.0	130.5	129.1	128.2	124.2	123.7	123.5	122.8	128.3

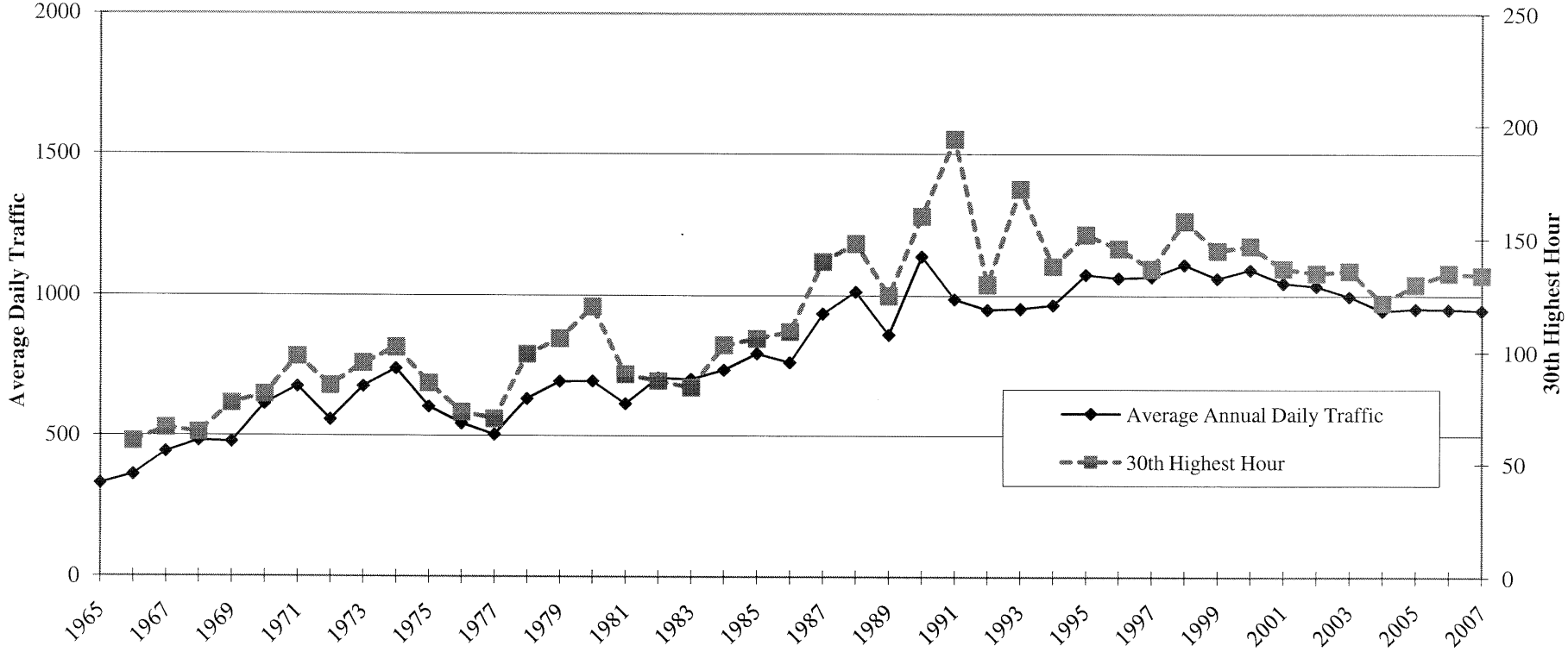
HIGHEST HOURS

1ST	2ND	3RD	4TH	5TH	6TH	7TH	8TH	9TH	10TH	20TH	30TH	40TH	50TH	AVG
593	577	573	569	566	558	556	556	551	551	535	526	516	509	565
18	18	18	18	18	18	18	18	18	18	18	18	18	18	
06/19	05/22	08/13	05/18	05/31	06/05	08/29	05/04	06/04	05/03	08/20	05/02	06/12	06/13	
14.0	13.7	13.6	13.5	13.4	13.2	13.2	13.2	13.0	13.0	12.7	12.4	12.2	12.0	13.4

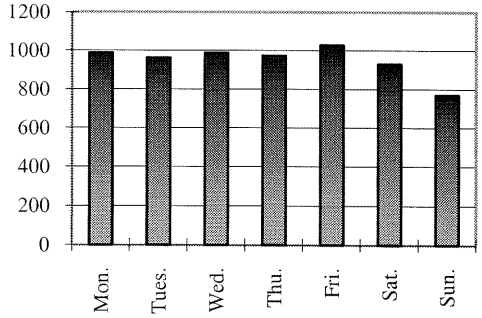
PERCENT BY HOUR

AM												PM											
1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
0.9	0.4	0.3	0.3	0.4	0.9	2.7	6.2	5.1	4.1	4.4	5.2	6.6	6.2	6.0	7.1	8.4	9.6	7.5	5.8	4.6	3.6	2.2	1.3

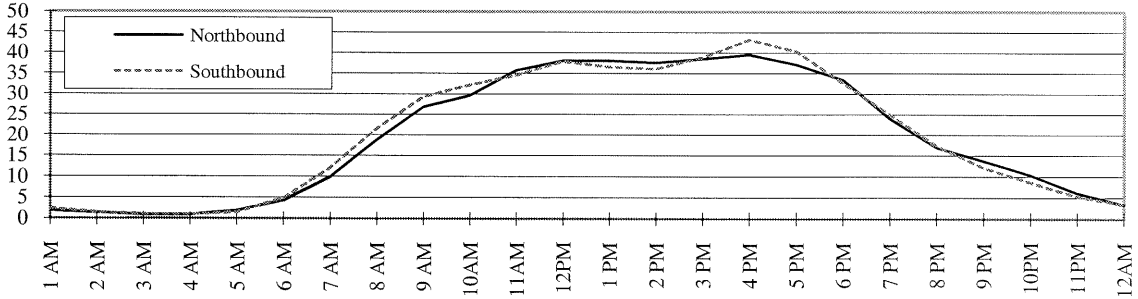
Permanent Traffic Recorder At 5 Mi. Haines Hwy. (CDS MP 1.29)



2007 Annual Average Daily Traffic by Day of Week



2007 Annual Average Weekday Traffic by Hour of Day



ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
TRAFFIC STUDIES FOR ROUTES IN SOUTHEAST REGION
FIXED RECORDER SUMMARY: 2007
RECORDER NUMBER 60621000 9

HAINES HWY BTW SAWMILL & AIRPORT RDS 1200 FT N OF PIEDA ON 298000 AT MILEPOINT 1.287

MONTH	MADT	%	6-10	10-6	MON	TUE	WED	THU	FRI	WKDY	SAT	SUN
JAN	584	61.5	95.8	4.2	82.1	110.5	112.7	107.4	110.5	104.6	91.7	85.2
FEB	619	65.2	96.3	3.7	110.9	104.4	101.3	103.4	108.0	105.6	92.6	79.6
MAR	600	63.2	94.8	5.2	102.1	98.2	95.6	106.6	109.0	102.3	105.4	82.8
APR	842	88.7	96.2	3.8	104.7	106.5	108.7	99.4	107.0	105.3	97.2	76.9
MAY	1108	116.8	94.6	5.4	106.4	97.2	102.4	100.6	105.9	102.5	105.9	81.4
JUN	1276	134.5	94.5	5.5	100.7	102.7	102.5	102.3	110.1	103.7	102.6	79.2
JUL	1316	138.7	94.9	5.1	105.2	102.6	99.2	103.2	106.3	103.3	97.2	86.1
AUG	1374	144.8	95.5	4.5	104.9	98.6	103.5	105.0	108.5	104.1	96.6	83.1
SEP	1173	123.6	96.0	4.0	98.1	101.9	102.9	104.8	107.0	102.9	103.7	81.4
OCT	1070	112.8	97.3	2.7	106.5	95.9	102.2	105.1	113.7	104.7	94.6	81.9
NOV	798	84.1	95.8	4.2	108.6	106.0	107.2	91.3	109.4	104.5	98.7	78.9
DEC	631	66.5	94.6	5.4	118.4	93.2	110.8	102.3	106.3	106.2	91.2	77.7
ANN	949		95.5	4.5	104.1	101.5	104.1	102.6	108.5	104.1	98.1	81.2

HISTORICAL DATA

YEAR	AADT	NOTES
2007	949	
2006	953	
2005	955	
2004	948	
2003	998	
2002	1035	
2001	1045	
2000	1092	
1999	1062	
1998	1110	
1997	1067	
1996	1063	
1995	1075	
1994	968	
1993	955	
1992	951	
1991	988	
1990	998	
1989	883	
1988	1014	
1987	937	
1986	763	
1985	794	
1984	736	
1983	703	

HIGHEST DAYS

1ST	2ND	3RD	4TH	5TH	6TH	7TH	8TH	9TH	10TH	AVG
1892	1625	1620	1571	1563	1559	1552	1538	1535	1534	1599
06/16	08/08	07/27	08/03	08/13	08/23	08/14	08/17	07/03	08/20	
199.4	171.2	170.7	165.5	164.7	164.3	163.5	162.1	161.7	161.6	168.5

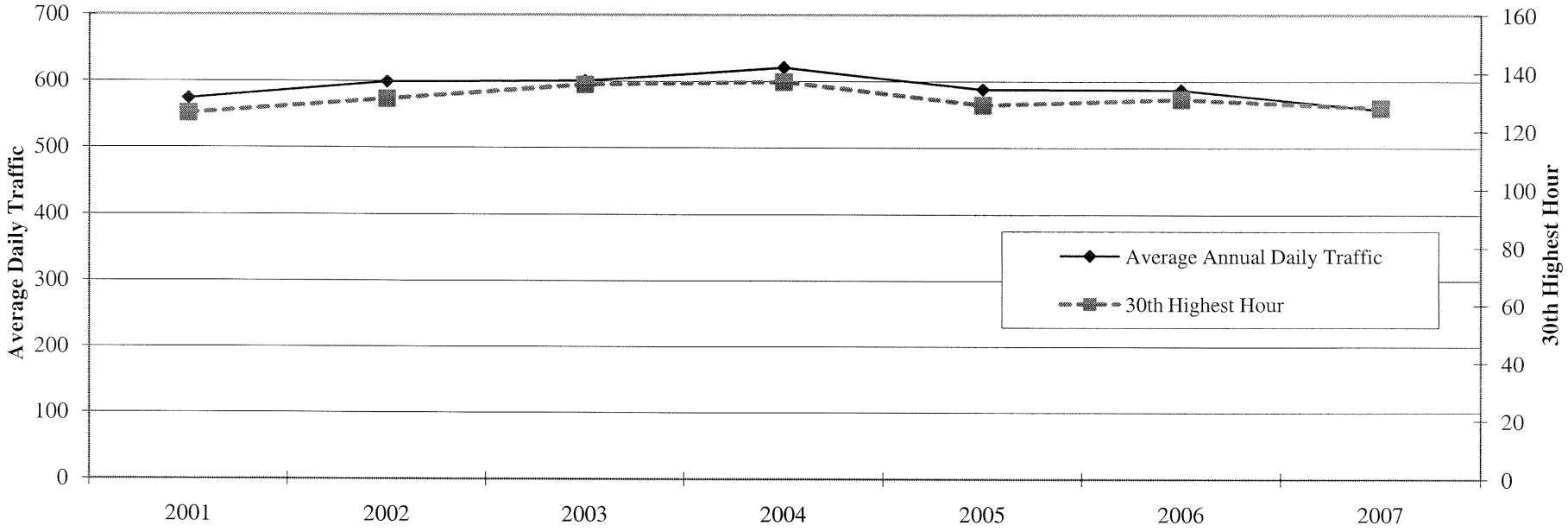
HIGHEST HOURS

1ST	2ND	3RD	4TH	5TH	6TH	7TH	8TH	9TH	10TH	20TH	30TH	40TH	50TH	AVG
253	227	202	181	154	152	152	152	144	143	138	134	132	130	176
17	18	16	15	12	11	10	13	16	15	14	16	16	15	
06/16	06/16	06/16	06/16	09/01	09/01	09/01	08/08	10/19	08/08	08/14	07/11	07/18	10/06	
26.7	23.9	21.3	19.1	16.2	16.0	16.0	16.0	15.2	15.1	14.5	14.1	13.9	13.7	18.5

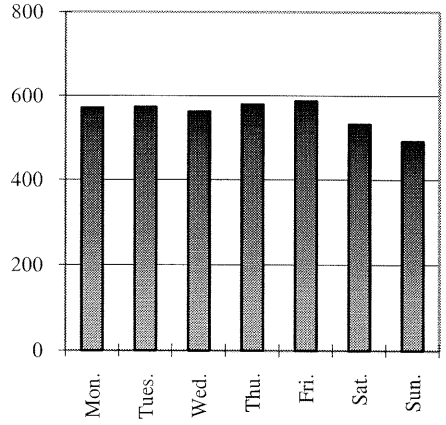
PERCENT BY HOUR

AM												PM											
1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
0.5	0.3	0.2	0.2	0.4	1.0	2.3	4.3	5.9	6.5	7.4	8.0	7.8	7.8	8.1	8.7	8.2	6.9	5.2	3.6	2.7	2.0	1.2	0.7

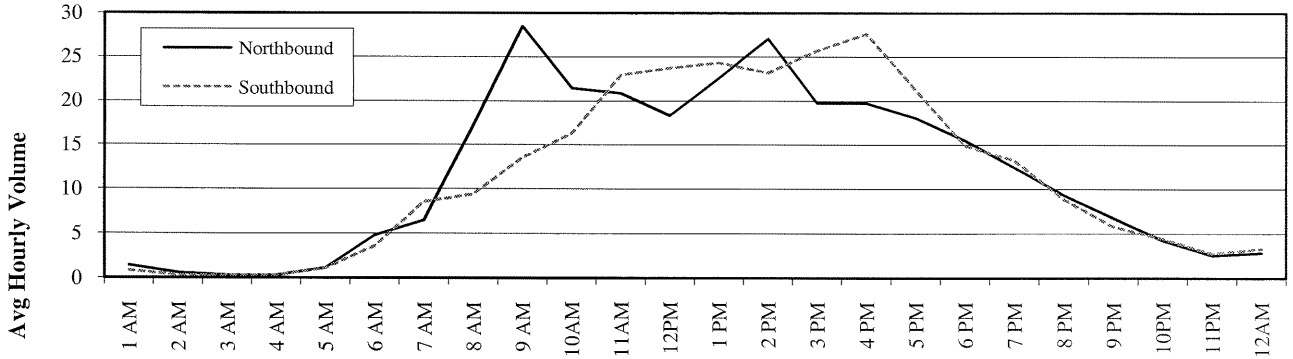
Permanent Traffic Recorder on Klondike Highway (CDS MP 2.55)



2007 Annual Average Daily Traffic by Day of Week



2007 Annual Average Weekday Traffic by Hour of Day



ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
TRAFFIC STUDIES FOR ROUTES IN SOUTHEAST REGION
FIXED RECORDER SUMMARY: 2007
RECORDER NUMBER 60711000 9

KLONDIKE HWY BTW DYEA & SANITORIUM RD,SKAGWAY ON 299500 AT MILEPOINT 2.548

MONTH	MADT	%	6-10	10-6	MON	TUE	WED	THU	FRI	WKDY	SAT	SUN
JAN	137	24.6	93.0	7.0	94.9	97.8	97.8	104.4	134.7	105.9	86.1	86.9
FEB	156	28.0	92.7	7.3	109.6	104.0	97.1	110.3	107.5	105.7	92.6	79.2
MAR	192	34.5	91.6	8.4	97.1	94.5	92.3	90.1	102.3	95.3	127.3	96.2
APR	379	68.0	95.3	4.7	101.5	90.0	93.6	94.7	106.7	97.3	115.4	97.7
MAY	819	147.0	95.6	4.4	106.3	99.9	102.1	98.9	92.1	99.9	95.5	104.8
JUN	1142	205.0	94.9	5.1	102.6	111.6	107.6	109.8	95.2	105.4	87.7	85.7
JUL	1214	218.0	95.9	4.1	102.9	110.7	107.2	108.3	93.3	104.5	84.3	93.4
AUG	1132	203.2	95.9	4.1	104.5	107.1	104.0	107.0	89.7	102.5	90.9	96.4
SEP	802	144.0	95.7	4.3	106.5	105.8	101.9	99.0	102.6	103.2	90.7	93.2
OCT	298	53.5	94.1	5.9	111.1	107.0	102.8	105.4	103.4	105.9	89.8	79.7
NOV	227	40.8	93.9	6.1	99.4	113.0	100.4	95.3	119.1	105.4	96.6	76.5
DEC	189	33.9	93.4	6.6	94.4	95.0	104.6	126.5	119.0	107.9	89.9	69.6
ANN	557		94.3	5.7	102.6	103.0	101.0	104.1	105.5	103.2	95.6	88.3

HISTORICAL DATA

YEAR	AADT	NOTES
2007	557	
2006	587	
2005	588	
2004	621	
2003	601	
2002	599	
2001	574	
2000	879	
1999	872	
1996	659	
1995	571	
1994	584	
1993	542	
1991	608	
1990	742	
1989	608	
1988	545	
1987	660	

HIGHEST DAYS

1ST	2ND	3RD	4TH	5TH	6TH	7TH	8TH	9TH	10TH	AVG
1492	1453	1426	1404	1395	1391	1384	1344	1332	1332	1395
07/03	07/02	07/05	06/28	07/04	06/19	07/17	07/15	08/02	07/24	
267.9	260.9	256.0	252.1	250.4	249.7	248.5	241.3	239.1	239.1	250.4

HIGHEST HOURS

1ST	2ND	3RD	4TH	5TH	6TH	7TH	8TH	9TH	10TH	20TH	30TH	40TH	50TH	AVG
166	162	146	143	142	141	140	139	139	135	131	128	125	122	145
19	14	16	9	14	14	15	14	13	13	9	18	14	9	
09/07	07/17	07/04	06/20	07/03	06/19	07/15	07/08	07/02	07/05	07/25	05/20	07/19	08/07	
29.8	29.1	26.2	25.7	25.5	25.3	25.1	25.0	25.0	24.2	23.5	23.0	22.4	21.9	26.0

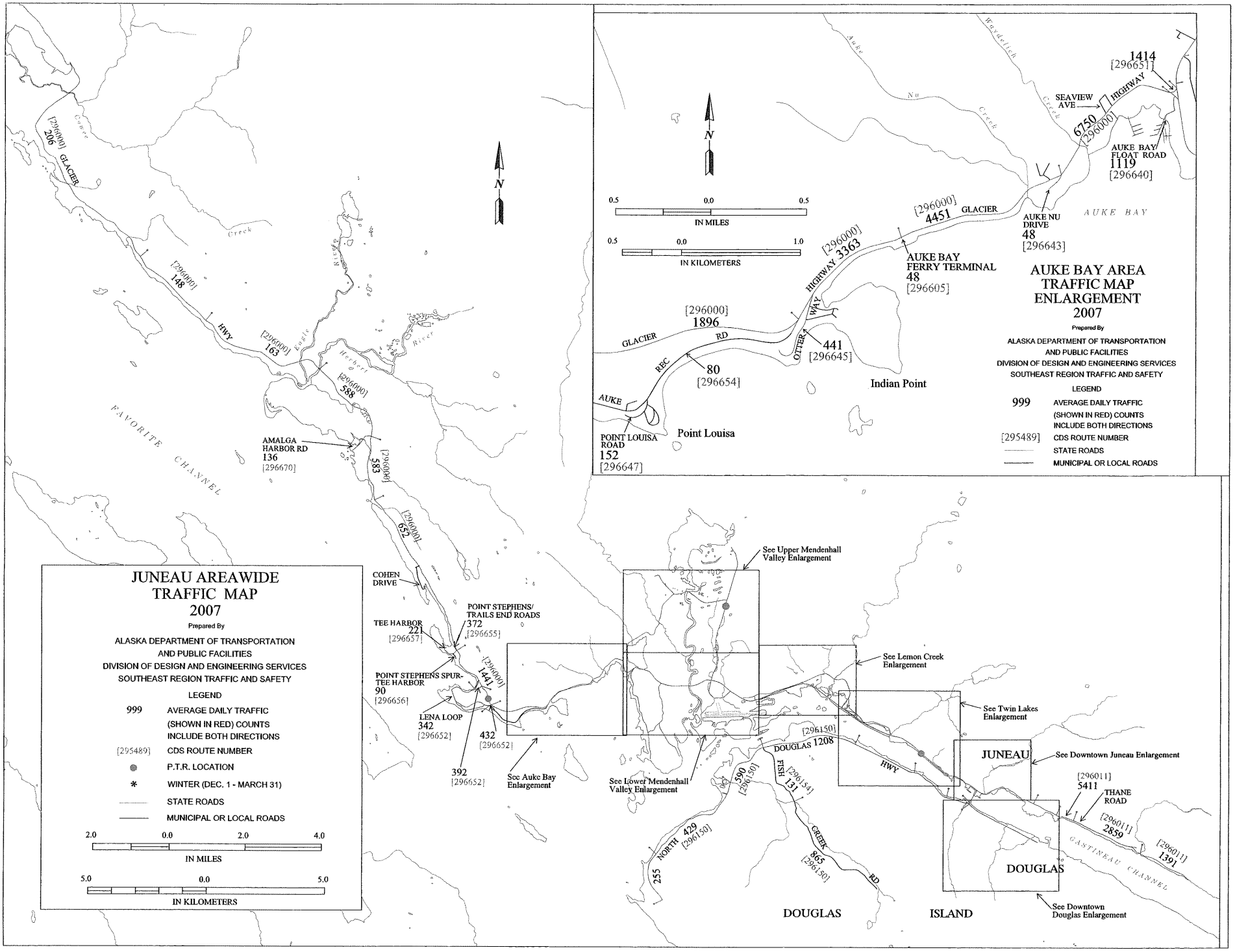
PERCENT BY HOUR

AM												PM											
1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
0.4	0.2	0.1	0.1	0.4	1.5	2.7	4.8	7.5	6.8	7.9	7.6	8.4	9.0	8.1	8.5	7.1	5.5	4.6	3.2	2.2	1.5	1.0	1.1

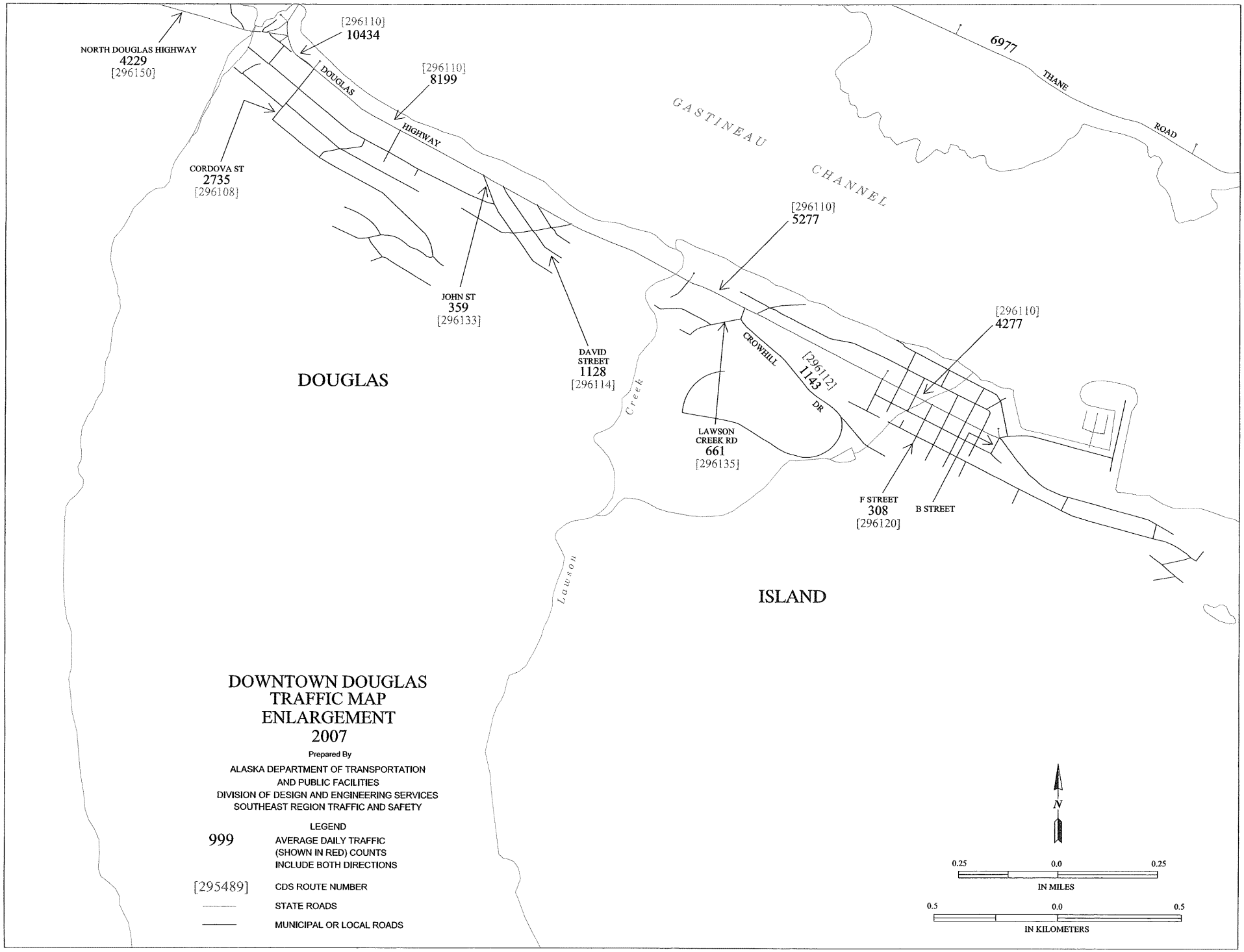
C. Average Daily Traffic Maps

The volumes shown on the following maps denote average daily traffic (ADT) during 2007. This data is derived from the traffic volume counts which are done between May and October. Since it is impractical to do a count on every road in the region in a single year, they are done on a three year rotating schedule. The maps have been prepared by the Department's Mapping Section from data collected by the Southeast Traffic and Safety Section.

The "push pin" tick marks along roads define the boundary between road segments. The ADT's marked indicate the average traffic, under statistically derived normal conditions, between the tick marks or major road intersections.


JUNEAU AREAWIDE TRAFFIC MAP 2007
Prepared By
ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
DIVISION OF DESIGN AND ENGINEERING SERVICES
SOUTHEAST REGION TRAFFIC AND SAFETY
LEGEND
999 AVERAGE DAILY TRAFFIC (SHOWN IN RED) COUNTS INCLUDE BOTH DIRECTIONS
[295489] CDS ROUTE NUMBER
P.T.R. LOCATION
* WINTER (DEC. 1 - MARCH 31)
STATE ROADS
MUNICIPAL OR LOCAL ROADS
2.0 0.0 2.0 4.0
IN MILES
5.0 0.0 5.0
IN KILOMETERS
AUKE BAY AREA TRAFFIC MAP ENLARGEMENT 2007
Prepared By
ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
DIVISION OF DESIGN AND ENGINEERING SERVICES
SOUTHEAST REGION TRAFFIC AND SAFETY
LEGEND
999 AVERAGE DAILY TRAFFIC (SHOWN IN RED) COUNTS INCLUDE BOTH DIRECTIONS
[295489] CDS ROUTE NUMBER
STATE ROADS
MUNICIPAL OR LOCAL ROADS
0.5 0.0 0.5
IN MILES
0.5 0.0 1.0
IN KILOMETERS
N
[296000] 206 GLACIER
[296000] 148 HWY
[296000] 163
[296000] 588
[296000] 583
[296000] 652
[296000] 1441
[296000] 1414 [296651]
SEAVIEW AVE
HIGHWAY
[296000] 6750
AUKE BAY FLOAT ROAD 1119 [296640]
AUKE NU DRIVE 48 [296643]
AUKE BAY
[296000] 4451 GLACIER
AUKE BAY FERRY TERMINAL 48 [296605]
[296000] 3363 HIGHWAY
OTTER A WAY
441 [296645]
Indian Point
[296000] 1896 GLACIER RD
REC
80 [296654]
AUKE
POINT LOUISA ROAD 152 [296647]
Point Louisa
AMALGA HARBOR RD 136 [296670]
FAVORITE CHANNEL
COHEN DRIVE
TEE HARBOR 221 [296657]
POINT STEPHENS/ TRAILS END ROADS 372 [296655]
POINT STEPHENS SPUR-TEE HARBOR 90 [296656]
LENA LOOP 342 [296652]
432 [296652]
392 [296652]
See Auke Bay Enlargement
See Upper Mendenhall Valley Enlargement
See Lower Mendenhall Valley Enlargement
See Lemon Creek Enlargement
See Twin Lakes Enlargement
See Downtown Juneau Enlargement
See Downtown Douglas Enlargement
[296150] DOUGLAS 1208 HWY
[296150] 590
FISH [296154] 131
CREEK RD
865 [296150]
NORTH 429 [296150]
255
JUNEAU
DOUGLAS
[296011] 5411
THANE ROAD
[296011] 2859
[296011] 1391
GASTINEAU CHANNEL
DOUGLAS ISLAND

MAP 01



DOWNTOWN DOUGLAS TRAFFIC MAP ENLARGEMENT 2007

Prepared By

ALASKA DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
DIVISION OF DESIGN AND ENGINEERING SERVICES
SOUTHEAST REGION TRAFFIC AND SAFETY

LEGEND

999	AVERAGE DAILY TRAFFIC (SHOWN IN RED) COUNTS INCLUDE BOTH DIRECTIONS
[295489]	CDS ROUTE NUMBER
----------	STATE ROADS
———	MUNICIPAL OR LOCAL ROADS

MAP 02

DOWNTOWN JUNEAU TRAFFIC MAP ENLARGEMENT 2007

Prepared By

ALASKA DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
DIVISION OF DESIGN AND ENGINEERING SERVICES
SOUTHEAST REGION TRAFFIC AND SAFETY

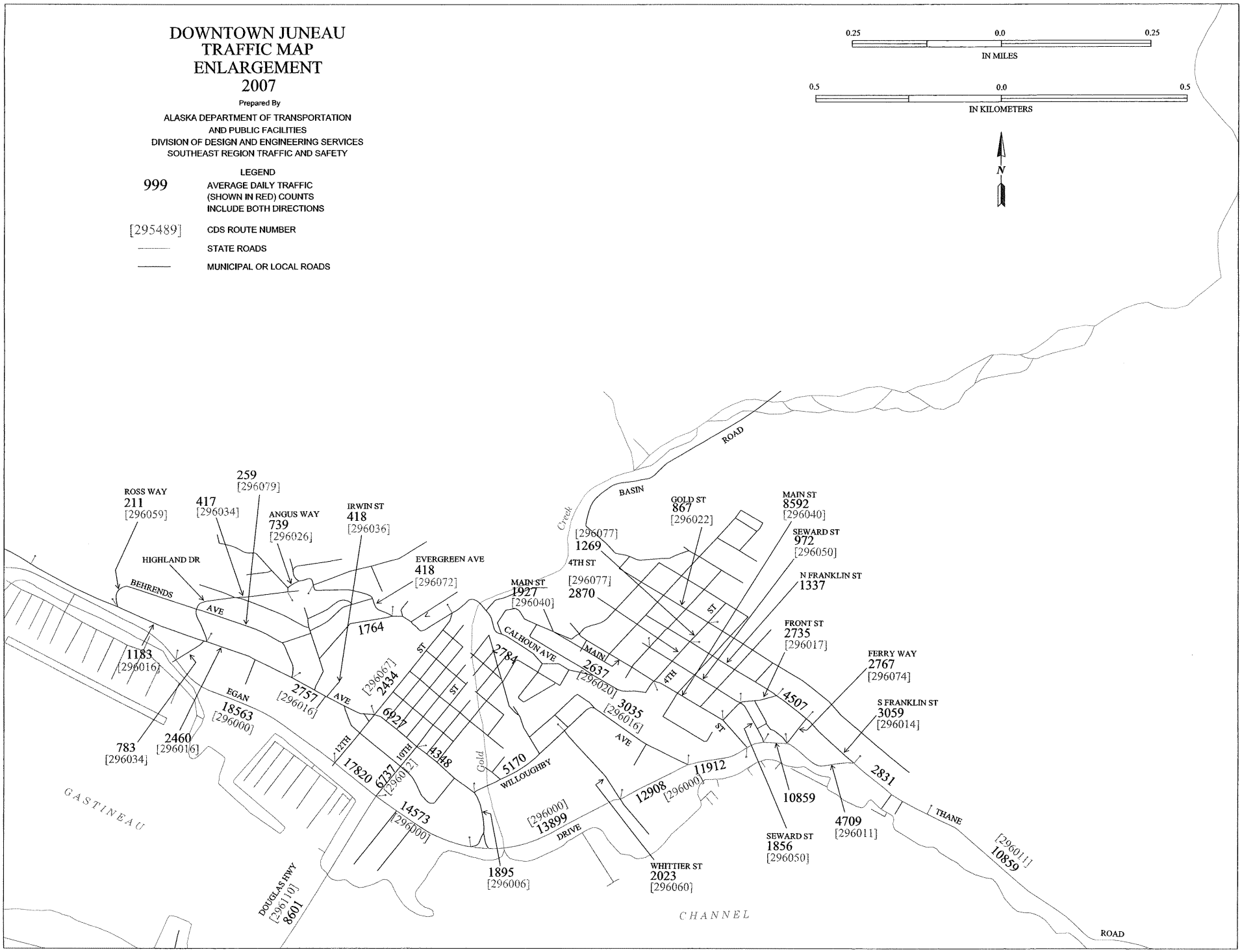
LEGEND

999 AVERAGE DAILY TRAFFIC (SHOWN IN RED) COUNTS INCLUDE BOTH DIRECTIONS

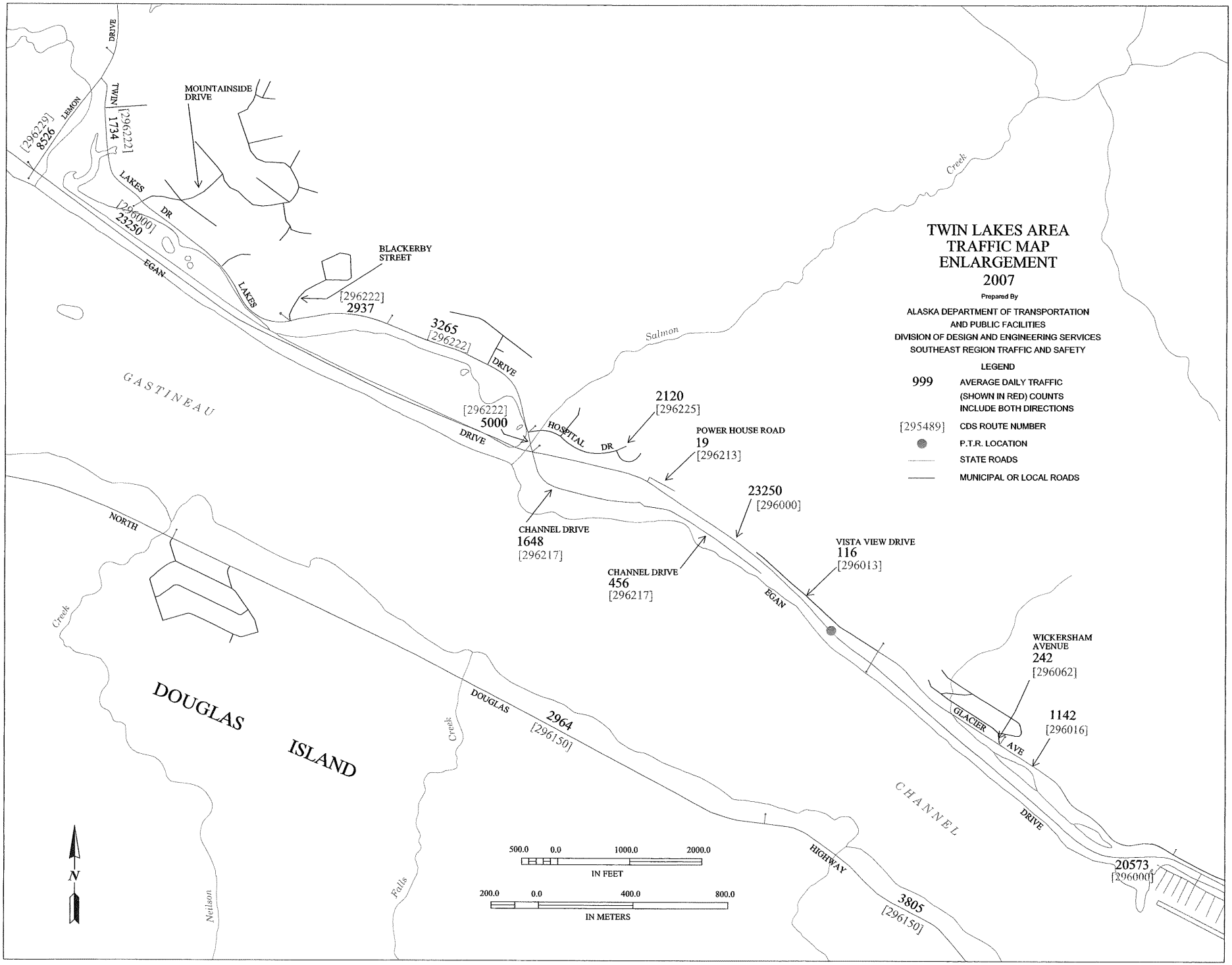
[295489] CDS ROUTE NUMBER

STATE ROADS

MUNICIPAL OR LOCAL ROADS



MAP 03


TWIN LAKES AREA
TRAFFIC MAP
ENLARGEMENT
2007
Prepared By
ALASKA DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
DIVISION OF DESIGN AND ENGINEERING SERVICES
SOUTHEAST REGION TRAFFIC AND SAFETY
LEGEND
999 AVERAGE DAILY TRAFFIC (SHOWN IN RED) COUNTS INCLUDE BOTH DIRECTIONS
[295489] CDS ROUTE NUMBER
P.T.R. LOCATION
STATE ROADS
MUNICIPAL OR LOCAL ROADS
MOUNTAINSIDE DRIVE
BLACKERBY STREET
[296222] 2937
3265 [296222]
[296222] 5000
2120 [296225]
POWER HOUSE ROAD 19 [296213]
23250 [296000]
CHANNEL DRIVE 1648 [296217]
CHANNEL DRIVE 456 [296217]
VISTA VIEW DRIVE 116 [296013]
WICKERSHAM AVENUE 242 [296062]
1142 [296016]
20573 [296000]
2964 [296150]
3805 [296150]
[296229] 8526
[296222] 1734
[296000] 23250
LEMON DRIVE
TWIN LAKES DR
EGAN DRIVE
LAKES DRIVE
HOSPITAL DR
NORTH DOUGLAS HIGHWAY
EGAN DRIVE
GLACIER AVE
GASTINEAU CHANNEL
DOUGLAS ISLAND
Salmon Creek
Neilson Creek
Falls Creek
500.0 0.0 1000.0 2000.0
IN FEET
200.0 0.0 400.0 800.0
IN METERS
N

MAP 04

LEMON CREEK TRAFFIC MAP ENLARGEMENT 2007

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SOUTHEAST REGION TRAFFIC AND SAFETY

LEGEND

999 AVERAGE DAILY TRAFFIC (SHOWN IN RED) COUNTS INCLUDE BOTH DIRECTIONS

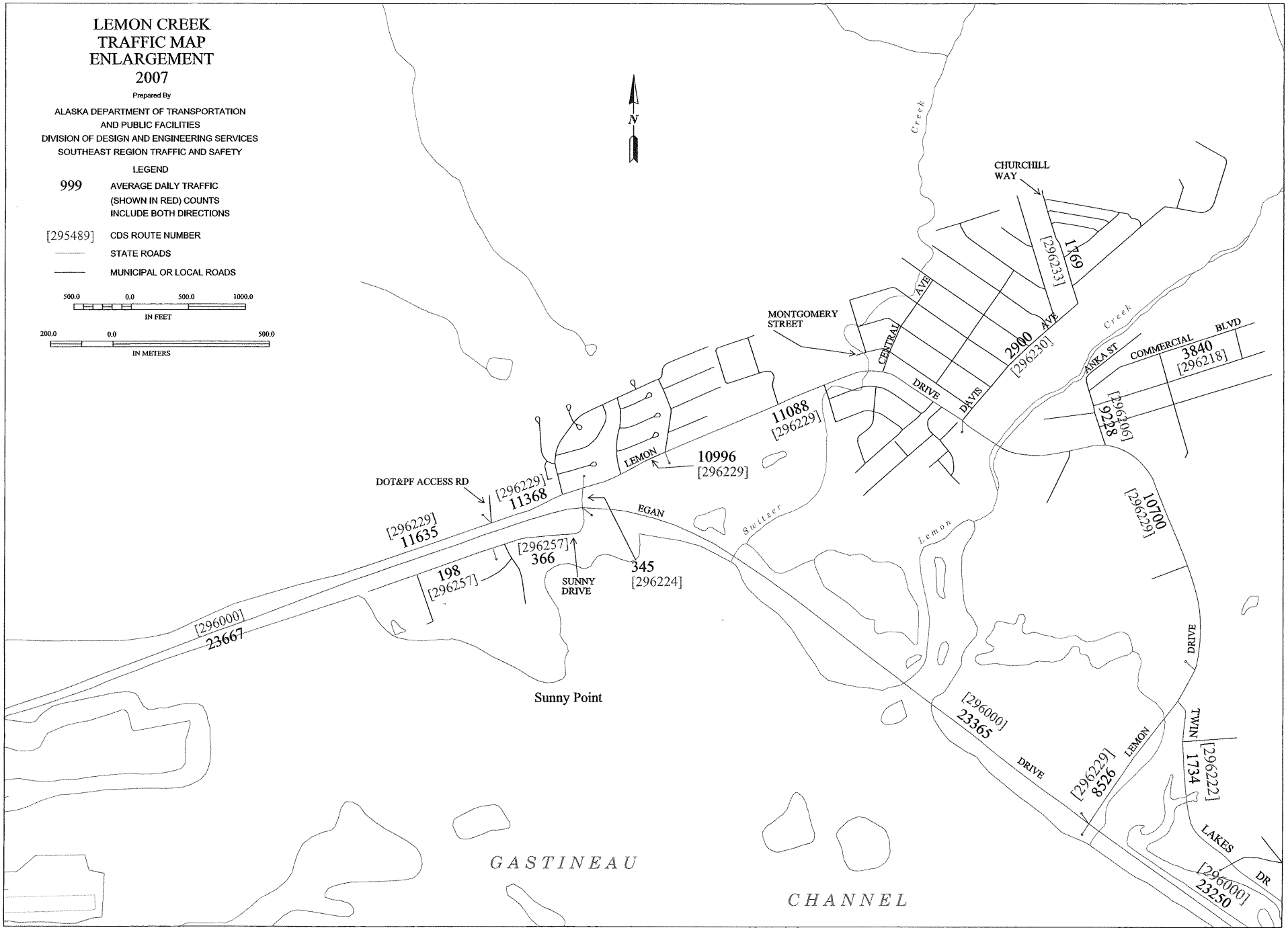
[295489] CDS ROUTE NUMBER

STATE ROADS

MUNICIPAL OR LOCAL ROADS

500.0 0.0 500.0 1000.0
IN FEET

200.0 0.0 500.0
IN METERS



MAP 05

LOWER MENDENHALL VALLEY TRAFFIC MAP ENLARGEMENT 2007

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DIVISION OF DESIGN AND ENGINEERING SERVICE

SOUTHEAST REGION TRAFFIC AND SAFETY

LEGEND

999 AVERAGE DAILY TRAFFIC (SHOWN IN RED) COUNTS INCLUDE BOTH DIRECTIONS

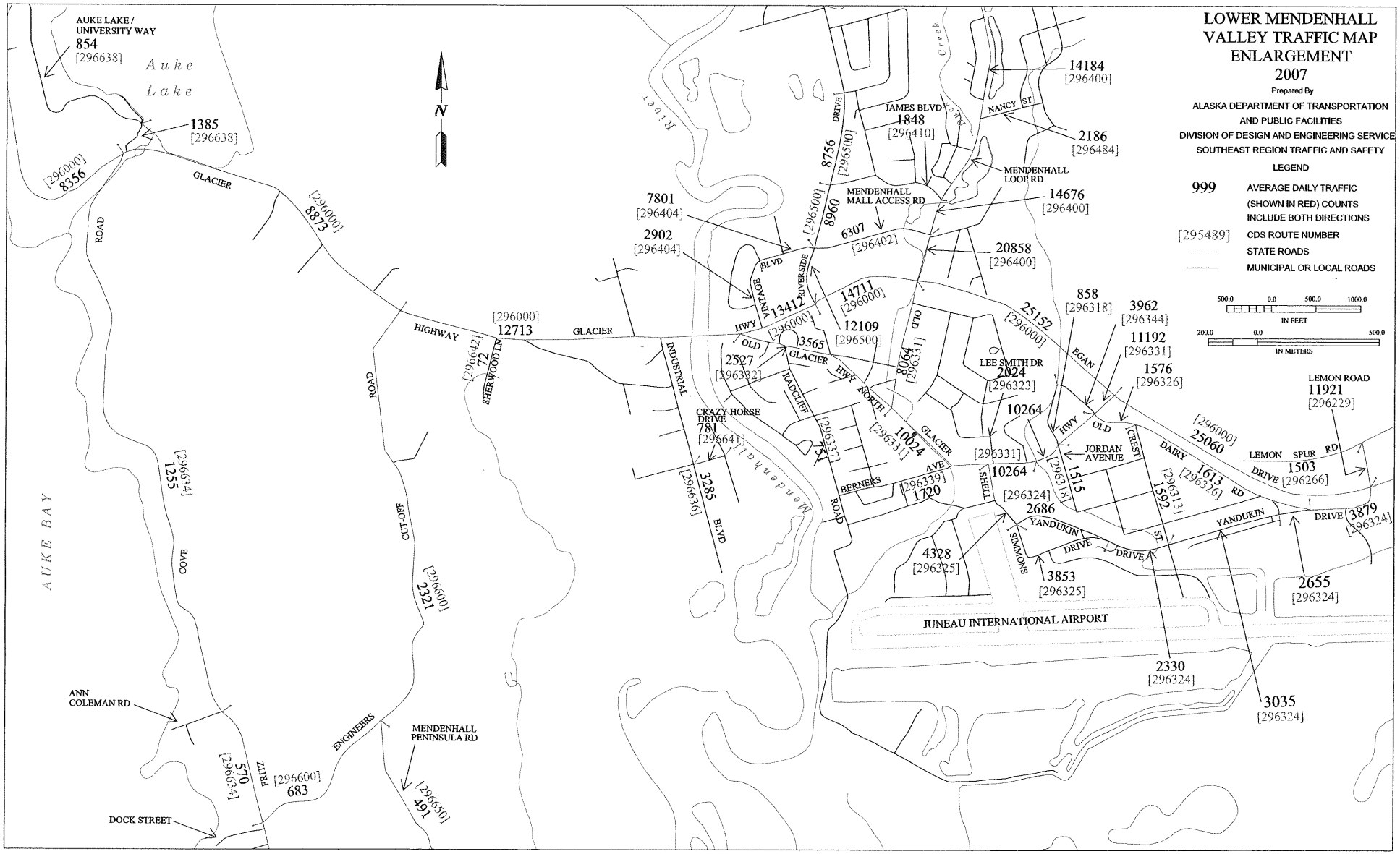
[295489] CDS ROUTE NUMBER

STATE ROADS

MUNICIPAL OR LOCAL ROADS

500.0 0.0 500.0 1000.0 IN FEET

200.0 0.0 500.0 IN METERS



MAP 06

UPPER MENDENHALL VALLEY TRAFFIC MAP ENLARGEMENT 2007

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SOUTHEAST REGION TRAFFIC AND SAFETY

LEGEND

999 AVERAGE DAILY TRAFFIC (SHOWN IN RED) COUNTS INCLUDE BOTH DIRECTIONS

[295489] CDS ROUTE NUMBER

P.T.R. LOCATION

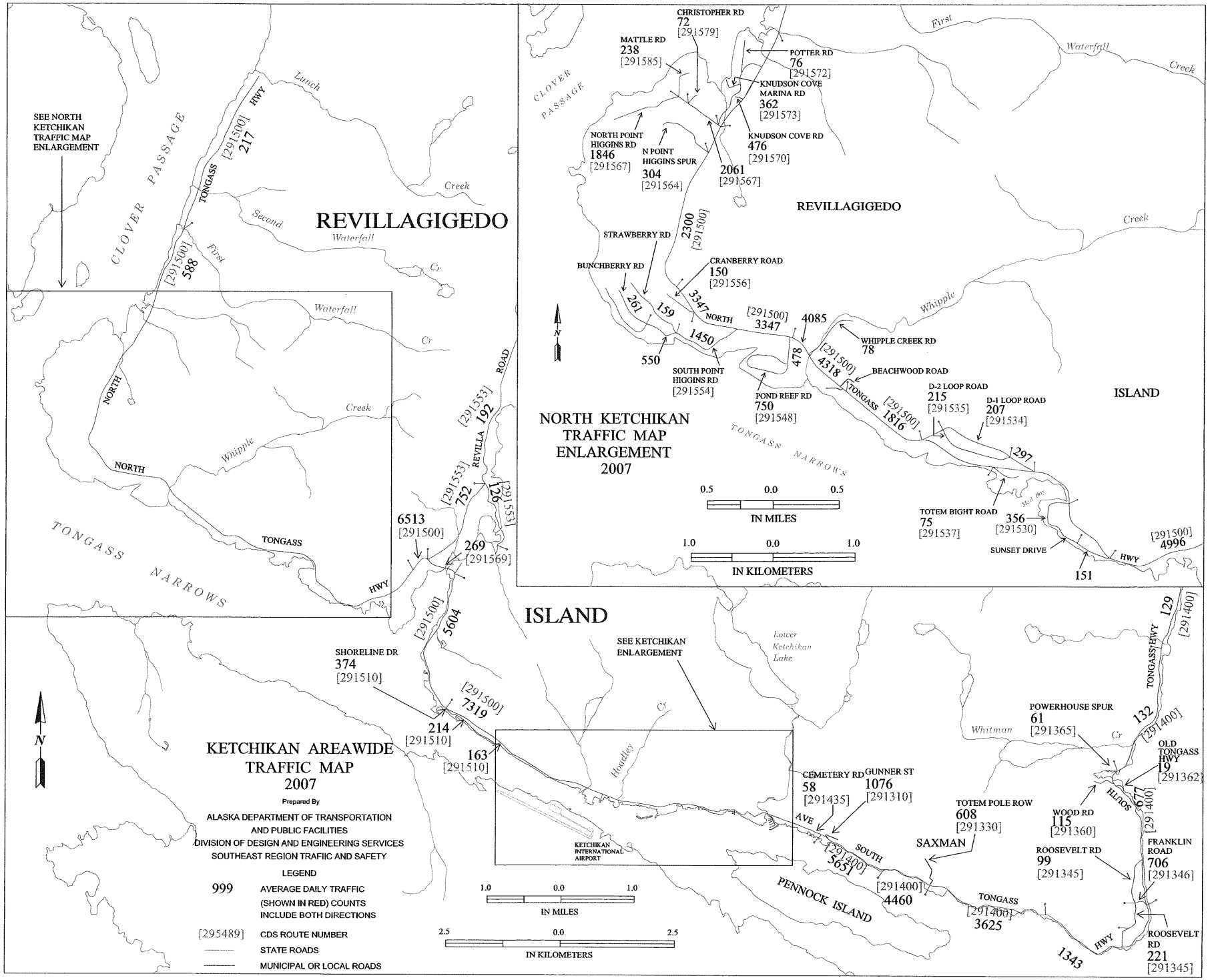
STATE ROADS

MUNICIPAL OR LOCAL ROADS

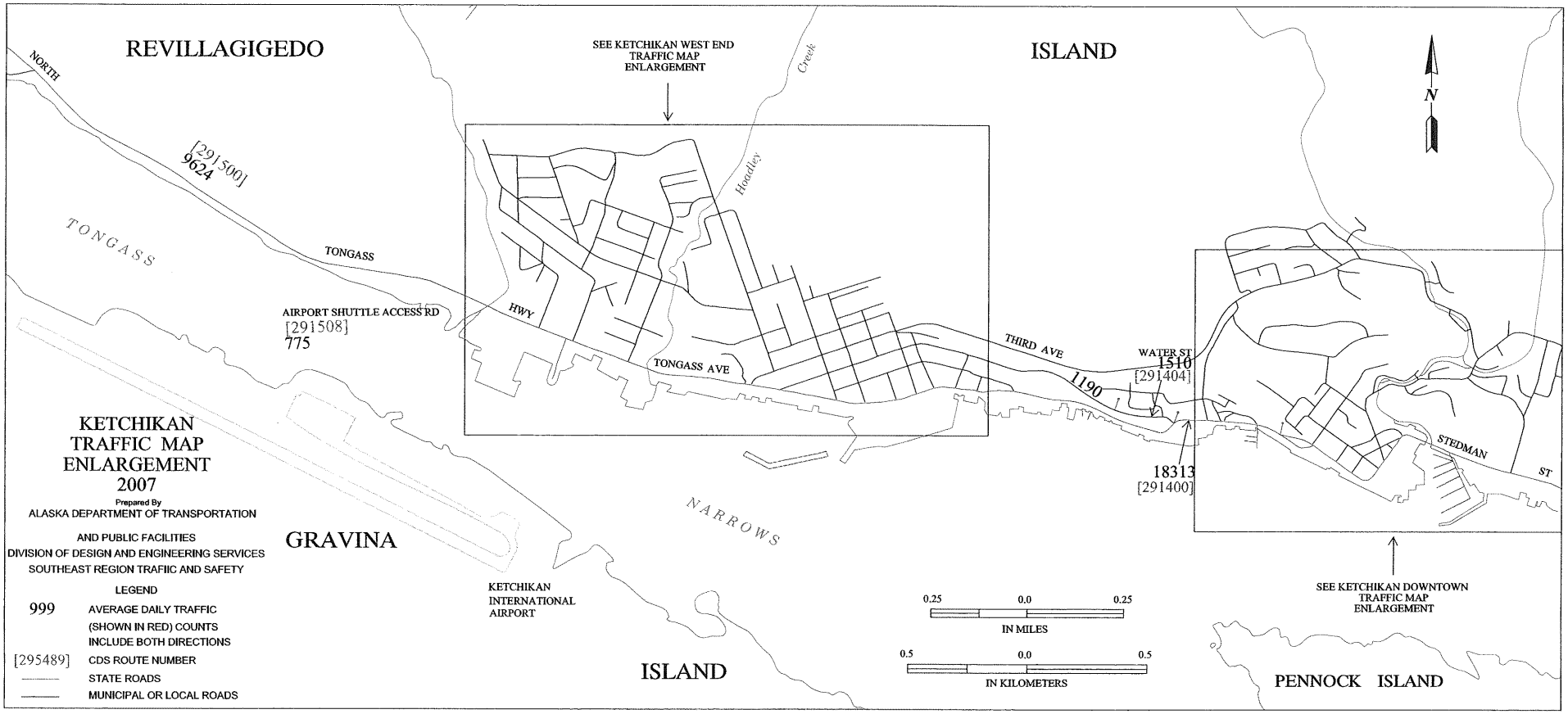
500.0 0.0 500.0 1000.0
IN FEET

200.0 0.0 500.0
IN METERS

MAP 07


KETCHIKAN AREAWIDE TRAFFIC MAP 2007
Prepared By
ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
DIVISION OF DESIGN AND ENGINEERING SERVICES
SOUTHEAST REGION TRAFIIC AND SAFETY
LEGEND
999 AVERAGE DAILY TRAFFIC (SHOWN IN RED) COUNTS INCLUDE BOTH DIRECTIONS
[295489] CDS ROUTE NUMBER
STATE ROADS
MUNICIPAL OR LOCAL ROADS
N
1.0 0.0 1.0
IN MILES
2.5 0.0 2.5
IN KILOMETERS
REVILLAGIGEDO
ISLAND
CLOVER PASSAGE
TONGASS NARROWS
PENNOCK ISLAND
SEE NORTH KETCHIKAN TRAFFIC MAP ENLARGEMENT
SEE KETCHIKAN ENLARGEMENT
KETCHIKAN INTERNATIONAL AIRPORT
Lower Ketchikan Lake
Lunch Creek
Second Waterfall Cr
First Waterfall Cr
Whipple Creek
Whitman Cr
Hoadley Cr
TONGASS HWY [291500] 217
[291500] 588
NORTH TONGASS HWY
REVILLA ROAD [291553] 192
[291553] 752
[291553] 126
6513 [291500]
269 [291569]
[291500] 5604
SHORELINE DR 374 [291510]
[291500] 7319
214 [291510]
163 [291510]
CEMETERY RD 58 [291435]
GUNNER ST 1076 [291310]
SOUTH AVE
[291400] 5651
[291400] 4460
[291400] 3625
1343
SAXMAN
TOTEM POLE ROW 608 [291330]
POWERHOUSE SPUR 61 [291365]
OLD TONGASS HWY 19 [291362]
WOOD RD 115 [291360]
ROOSEVELT RD 99 [291345]
FRANKLIN ROAD 706 [291346]
ROOSEVELT RD 221 [291345]
[291400] 677
[291400] 132
[291400] 129
NORTH KETCHIKAN TRAFFIC MAP ENLARGEMENT 2007
CHRISTOPHER RD 72 [291579]
MATTLE RD 238 [291585]
POTTER RD 76 [291572]
KNUDSON COVE MARINA RD 362 [291573]
KNUDSON COVE RD 476 [291570]
NORTH POINT HIGGINS RD 1846 [291567]
N POINT HIGGINS SPUR 304 [291564]
2061 [291567]
2300 [291500]
STRAWBERRY RD
BUNCHBERRY RD
CRANBERRY ROAD 150 [291556]
261
159
3347 NORTH
1450
550
SOUTH POINT HIGGINS RD [291554]
[291500] 3347
4085
478
POND REEF RD 750 [291548]
WHIPPLE CREEK RD 78
[291500] 4318
BEACHWOOD ROAD
[291500] 1816
D-2 LOOP ROAD 215 [291535]
D-1 LOOP ROAD 207 [291534]
297
TOTEM BIGHT ROAD 75 [291537]
356 [291530]
SUNSET DRIVE
151
[291500] 4996
0.5 0.0 0.5
IN MILES
1.0 0.0 1.0
IN KILOMETERS

MAP 08


REVILLAGIGEDO
ISLAND
NORTH
TONGASS
[291500]
9624
TONGASS
HWY
AIRPORT SHUTTLE ACCESS RD
[291508]
775
SEE KETCHIKAN WEST END
TRAFFIC MAP
ENLARGEMENT
Hoadley
Creek
TONGASS AVE
THIRD AVE
1190
WATER ST
1510
[291404]
18313
[291400]
STEDMAN
ST
N
KETCHIKAN
TRAFFIC MAP
ENLARGEMENT
2007
Prepared By
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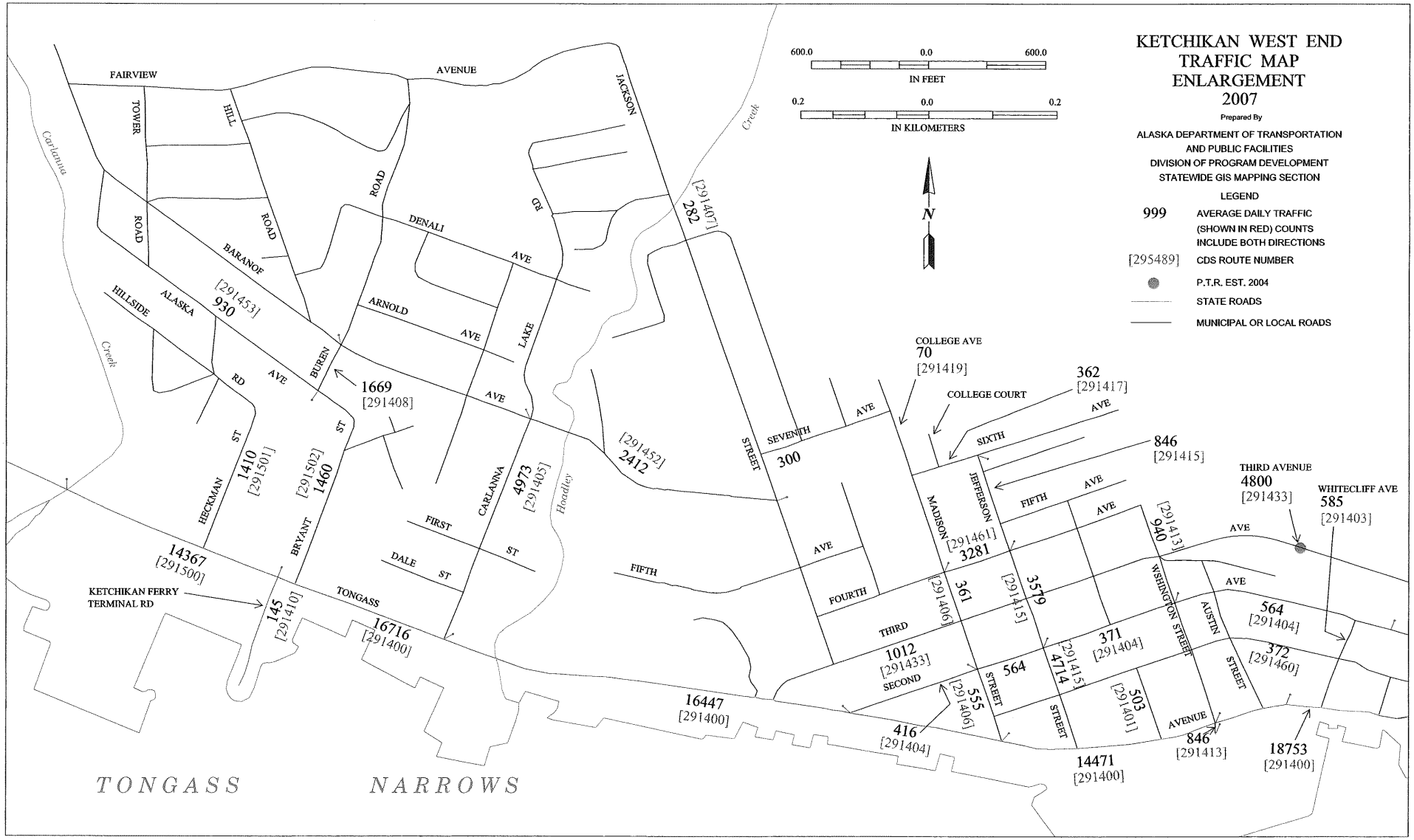
SOUTHEAST REGION TRAFIIC AND SAFETY
LEGEND
999 AVERAGE DAILY TRAFFIC
(SHOWN IN RED) COUNTS
INCLUDE BOTH DIRECTIONS
[295489] CDS ROUTE NUMBER
STATE ROADS
MUNICIPAL OR LOCAL ROADS
GRAVINA
ISLAND
NARROWS
KETCHIKAN
INTERNATIONAL
AIRPORT
0.25 0.0 0.25
IN MILES
0.5 0.0 0.5
IN KILOMETERS
SEE KETCHIKAN DOWNTOWN
TRAFFIC MAP
ENLARGEMENT
PENNOCK ISLAND

MAP 09


KETCHIKAN WEST END
TRAFFIC MAP
ENLARGEMENT
2007
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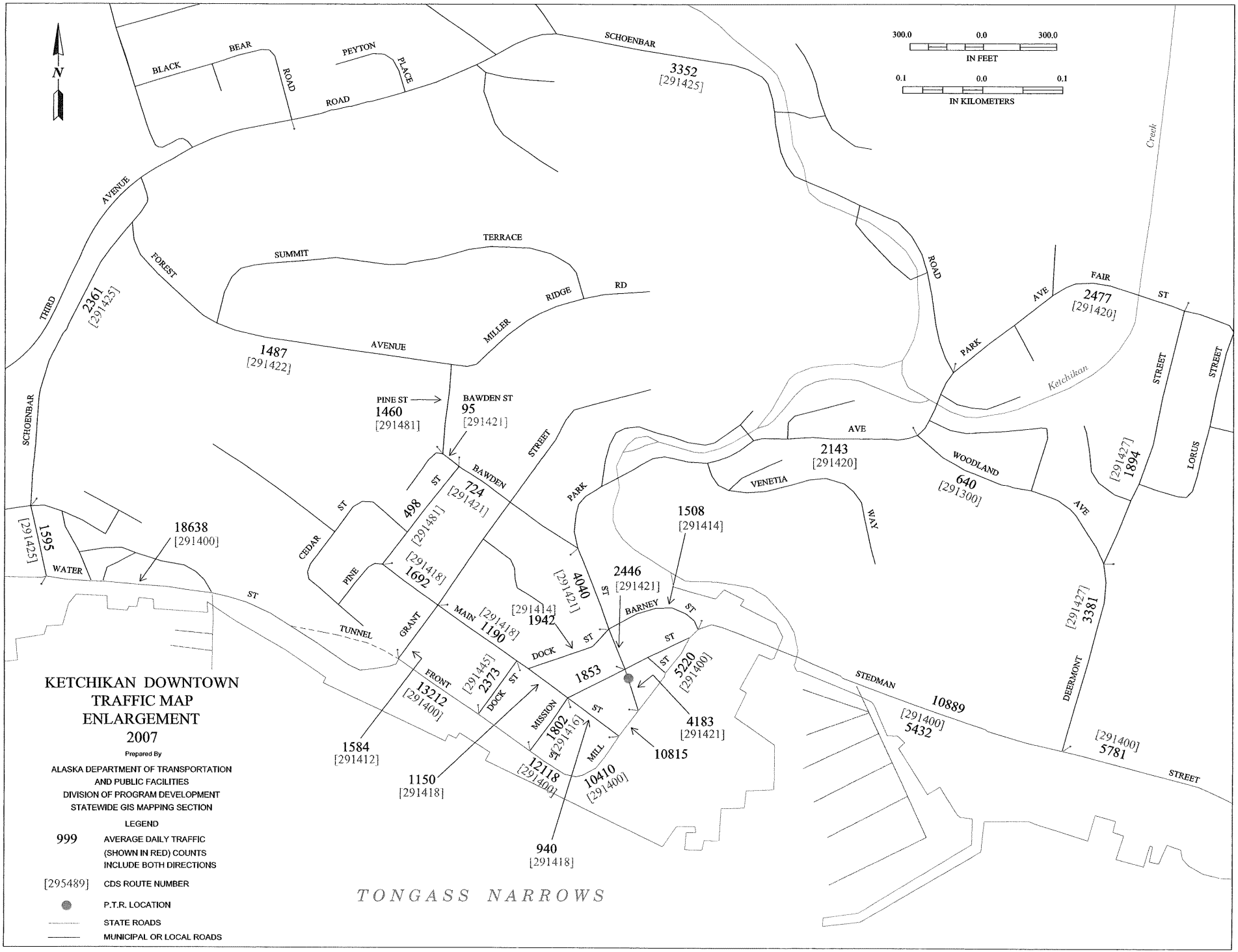
AND PUBLIC FACILITIES
DIVISION OF PROGRAM DEVELOPMENT
STATEWIDE GIS MAPPING SECTION
LEGEND
999 AVERAGE DAILY TRAFFIC (SHOWN IN RED) COUNTS INCLUDE BOTH DIRECTIONS
[295489] CDS ROUTE NUMBER
P.T.R. EST. 2004
STATE ROADS
MUNICIPAL OR LOCAL ROADS
600.0 0.0 600.0
IN FEET
0.2 0.0 0.2
IN KILOMETERS
N
FAIRVIEW
AVENUE
TOWER
HILL
ROAD
ROAD
ROAD
DENALI
AVE
BARANOF
[291453]
930
HILLSIDE
ALASKA
RD
AVE
BUREN
ARNOLD
AVE
LAKE
AVE
1669
[291408]
ST
ST
HECKMAN
1410
[291501]
[291502]
1460
BRYANT
CARLANNA
4973
[291405]
FIRST
ST
DALE
ST
14367
[291500]
KETCHIKAN FERRY
TERMINAL RD
145
[291410]
TONGASS
16716
[291400]
16447
[291400]
TONGASS NARROWS
Carlanna
Creek
Hoadley
Creek
JACKSON
RD
[291407]
282
[291452]
2412
STREET
SEVENTH
AVE
300
FIFTH
AVE
FOURTH
THIRD
SECOND
COLLEGE AVE
70
[291419]
COLLEGE COURT
362
[291417]
SIXTH
AVE
846
[291415]
JEFFERSON
MADISON
[291461]
3281
361
[291406]
3579
[291415]
FIFTH
AVE
AVE
940
[291413]
THIRD AVENUE
4800
[291433]
WHITECLIFF AVE
585
[291403]
AVE
564
[291404]
WSHINGTON STREET
AUSTIN
STREET
372
[291460]
371
[291404]
1012
[291433]
564
STREET
555
[291406]
4714
[291415]
STREET
503
[291411]
AVENUE
846
[291413]
416
[291404]
14471
[291400]
18753
[291400]

MAP 10


KETCHIKAN DOWNTOWN
TRAFFIC MAP
ENLARGEMENT
2007
Prepared By
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AND PUBLIC FACILITIES
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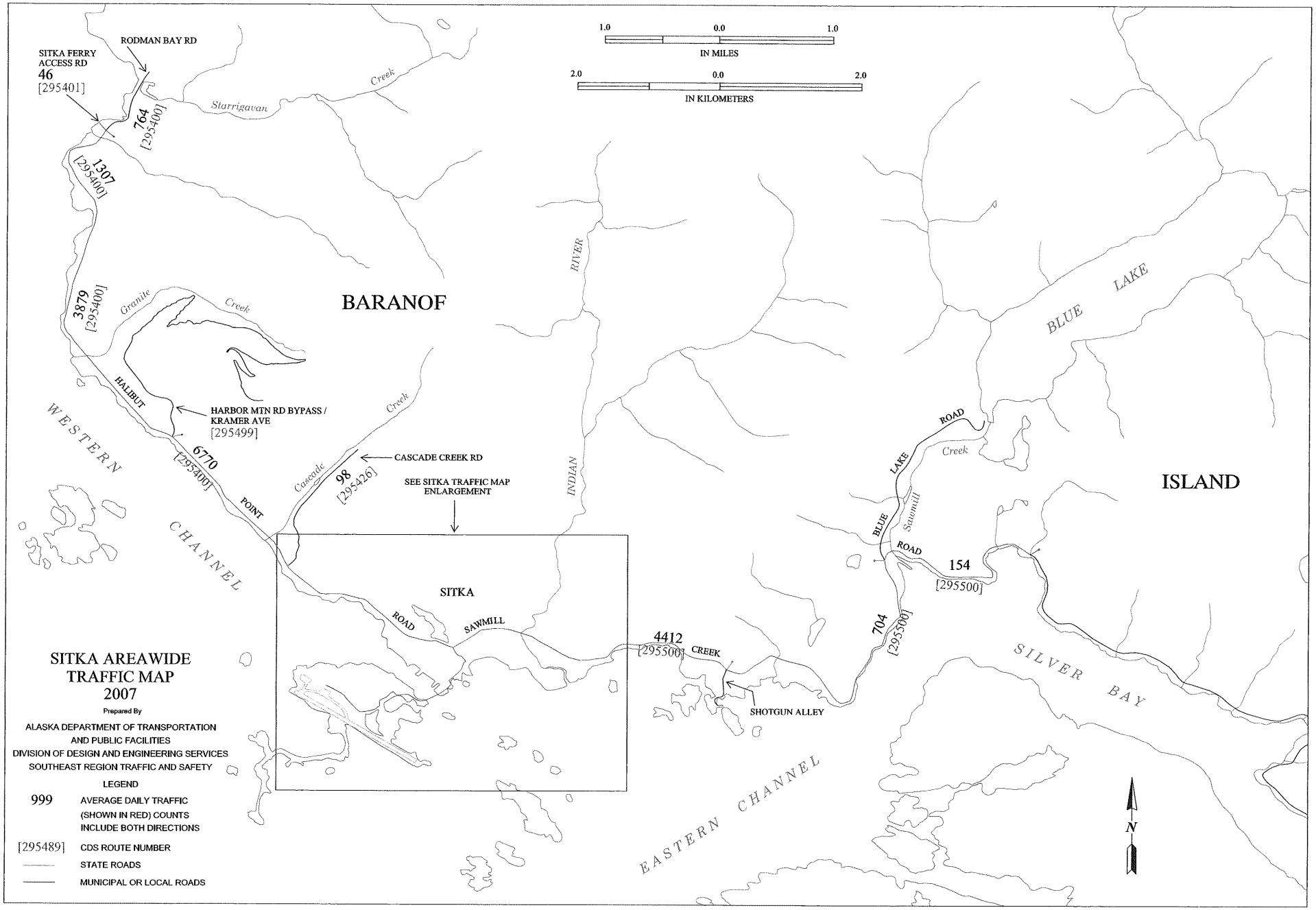
STATEWIDE GIS MAPPING SECTION
LEGEND
999 AVERAGE DAILY TRAFFIC (SHOWN IN RED) COUNTS INCLUDE BOTH DIRECTIONS
[295489] CDS ROUTE NUMBER
P.T.R. LOCATION
STATE ROADS
MUNICIPAL OR LOCAL ROADS
N
300.0 0.0 300.0
IN FEET
0.1 0.0 0.1
IN KILOMETERS
TONGASS NARROWS
Ketchikan Creek
BLACK BEAR ROAD
PEYTON PLACE ROAD
SCHOENBAR
3352 [291425]
THIRD AVENUE
2361 [291425]
FOREST
SUMMIT TERRACE
RIDGE RD
MILLER AVENUE
1487 [291422]
PINE ST
1460 [291481]
BAWDEN ST
95 [291421]
SCHOENBAR
1595 [291425]
WATER ST
18638 [291400]
CEDAR ST
PINE ST
498 [291481]
[291418] 1692
BAWDEN ST
724 [291421]
PARK STREET
4040 [291421]
TUNNEL
GRANT
MAIN ST
[291418] 1190
[291414] 1942
DOCK ST
2446 [291421]
1508 [291414]
BARNEY ST
FRONT
[291445] 2373
13212 [291400]
DOCK ST
1853
MISSION ST
1802 [291416]
MILL ST
12118 [291400]
10410 [291400]
5220 [291400]
4183 [291421]
10815
1584 [291412]
1150 [291418]
940 [291418]
STEDMAN
10889 [291400]
5432
[291400] 5781
STREET
DEERMONT AVE
[291427] 3381
VENETIA WAY
2143 [291420]
WOODLAND AVE
640 [291300]
PARK AVE
FAIR ST
2477 [291420]
[291427] 1894
LORUS STREET
STREET

MAP 11


SITKA AREAWIDE
TRAFFIC MAP
2007
Prepared By
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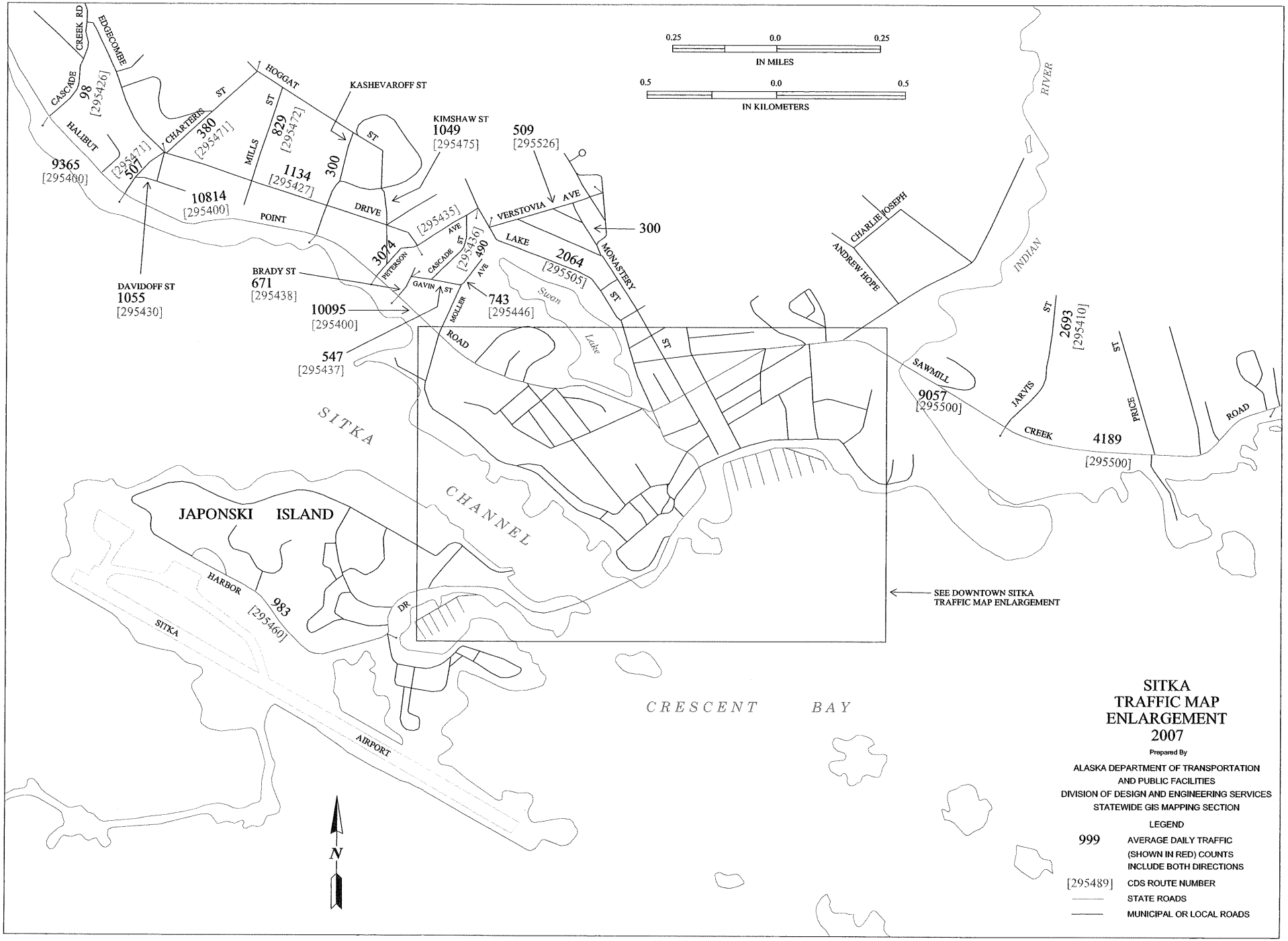
DIVISION OF DESIGN AND ENGINEERING SERVICES
SOUTHEAST REGION TRAFFIC AND SAFETY
LEGEND
999 AVERAGE DAILY TRAFFIC (SHOWN IN RED) COUNTS INCLUDE BOTH DIRECTIONS
[295489] CDS ROUTE NUMBER
STATE ROADS
MUNICIPAL OR LOCAL ROADS
1.0 0.0 1.0
IN MILES
2.0 0.0 2.0
IN KILOMETERS
BARANOF
ISLAND
WESTERN CHANNEL
EASTERN CHANNEL
SILVER BAY
BLUE LAKE
INDIAN RIVER
SITKA
RODMAN BAY RD
SITKA FERRY ACCESS RD
46
[295401]
764
[295400]
1307
[295400]
3879
[295400]
Starrigavan Creek
Granite Creek
HALIBUT POINT
HARBOR MTN RD BYPASS / KRAMER AVE
[295499]
6770
[295400]
Cascade Creek
CASCADE CREEK RD
98
[295426]
SEE SITKA TRAFFIC MAP ENLARGEMENT
SITKA SAWMILL ROAD
4412
[295500]
CREEK
SHOTGUN ALLEY
704
[295500]
BLUE LAKE ROAD
Sawmill Creek
154
[295500]
N

MAP 12


0.25 0.0 0.25
IN MILES
0.5 0.0 0.5
IN KILOMETERS
CREEK RD
EDGECOMBE
CASCADE
98
[295426]
HALIBUT
9365
[295400]
[295471]
507
CHARTERS ST
380
[295471]
HOGGAT ST
MILLS ST
829
[295472]
KASHEVAROFF ST
300
ST
KIMSHAW ST
1049
[295475]
1134
[295427]
10814
[295400]
POINT
DRIVE
DAVIDOFF ST
1055
[295430]
BRADY ST
671
[295438]
3074
PETERSON
[295435]
CASCADE ST
AVE
[295436]
490
AVE
GAVIN ST
MOLLER ROAD
10095
[295400]
547
[295437]
743
[295446]
VERSTOVIA AVE
LAKE
509
[295526]
2064
[295505]
300
MONASTERY ST
ST
Swan Lake
SITKA CHANNEL
JAPONSKI ISLAND
HARBOR DR
983
[295460]
SITKA AIRPORT
CRESCENT BAY
CHARLIE JOSEPH
ANDREW HOPE
INDIAN RIVER
SAWMILL CREEK
9057
[295500]
JARVIS ST
2693
[295410]
PRICE ST
4189
[295500]
ROAD
SEE DOWNTOWN SITKA TRAFFIC MAP ENLARGEMENT
N
SITKA
TRAFFIC MAP
ENLARGEMENT
2007
Prepared By
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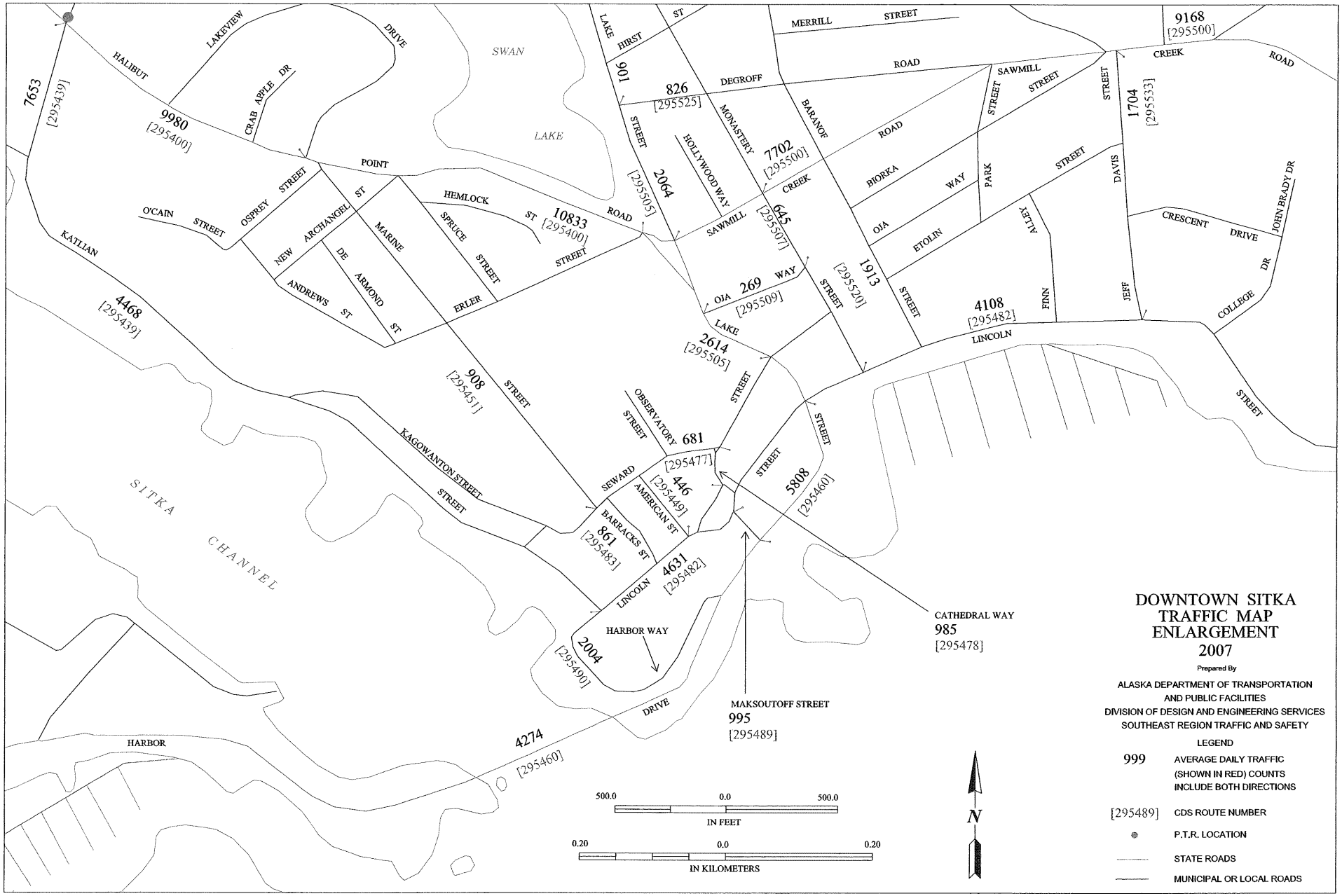
AND PUBLIC FACILITIES
DIVISION OF DESIGN AND ENGINEERING SERVICES
STATEWIDE GIS MAPPING SECTION
LEGEND
999 AVERAGE DAILY TRAFFIC (SHOWN IN RED) COUNTS INCLUDE BOTH DIRECTIONS
[295489] CDS ROUTE NUMBER
STATE ROADS
MUNICIPAL OR LOCAL ROADS


DOWNTOWN SITKA
TRAFFIC MAP
ENLARGEMENT
2007
Prepared By
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DIVISION OF DESIGN AND ENGINEERING SERVICES
SOUTHEAST REGION TRAFFIC AND SAFETY
LEGEND
999 AVERAGE DAILY TRAFFIC (SHOWN IN RED) COUNTS INCLUDE BOTH DIRECTIONS
[295489] CDS ROUTE NUMBER
P.T.R. LOCATION
STATE ROADS
MUNICIPAL OR LOCAL ROADS
500.0 0.0 500.0
IN FEET
0.20 0.0 0.20
IN KILOMETERS
N
SWAN LAKE
SITKA CHANNEL
HARBOR
7653 [295439]
9980 [295400]
4468 [295439]
908 [295451]
10833 [295400]
2064 [295505]
826 [295525]
901
7702 [295500]
645 [295507]
269 [295509]
2614 [295505]
1913 [295520]
9168 [295500]
1704 [295533]
4108 [295482]
681 [295477]
446 [295449]
861 [295483]
4631 [295482]
2004 [295490]
5808 [295460]
985 [295478]
995 [295489]
4274 [295460]
CATHEDRAL WAY
MAKSOUTOFF STREET
HARBOR WAY
KAGOWANTON STREET
LINCOLN
LAKE STREET
HIRST ST
MERRILL STREET
DEGROFF ROAD
SAWMILL CREEK ROAD
BARANOF ROAD
MONASTERY STREET
HOLLYWOOD WAY
BIORKA WAY
OJA WAY
ETOLIN STREET
PARK STREET
DAVIS STREET
JEFF STREET
FINN ALLEY
CRESCENT DRIVE
JOHN BRADY DR
COLLEGE DR
OBSERVATORY STREET
SEWARD STREET
AMERICAN ST
BARRACKS ST
HEMLOCK ST
SPRUCE STREET
ERLER STREET
MARINE STREET
ARMOND ST
DE ARMOND ST
ANDREWS ST
NEW ARCHANGEL ST
OSPREY STREET
O'CAIN STREET
KATLIAN
HALIBUT POINT
LAKEVIEW DRIVE
CRAB APPLE DR

MITKOF ISLAND / PETERSBURG TRAFFIC MAP 2007

Prepared By

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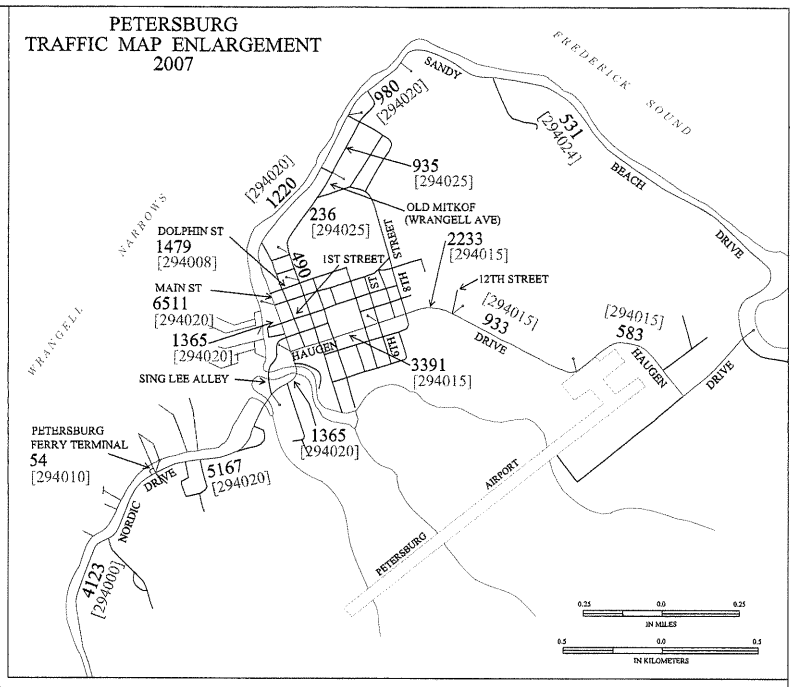
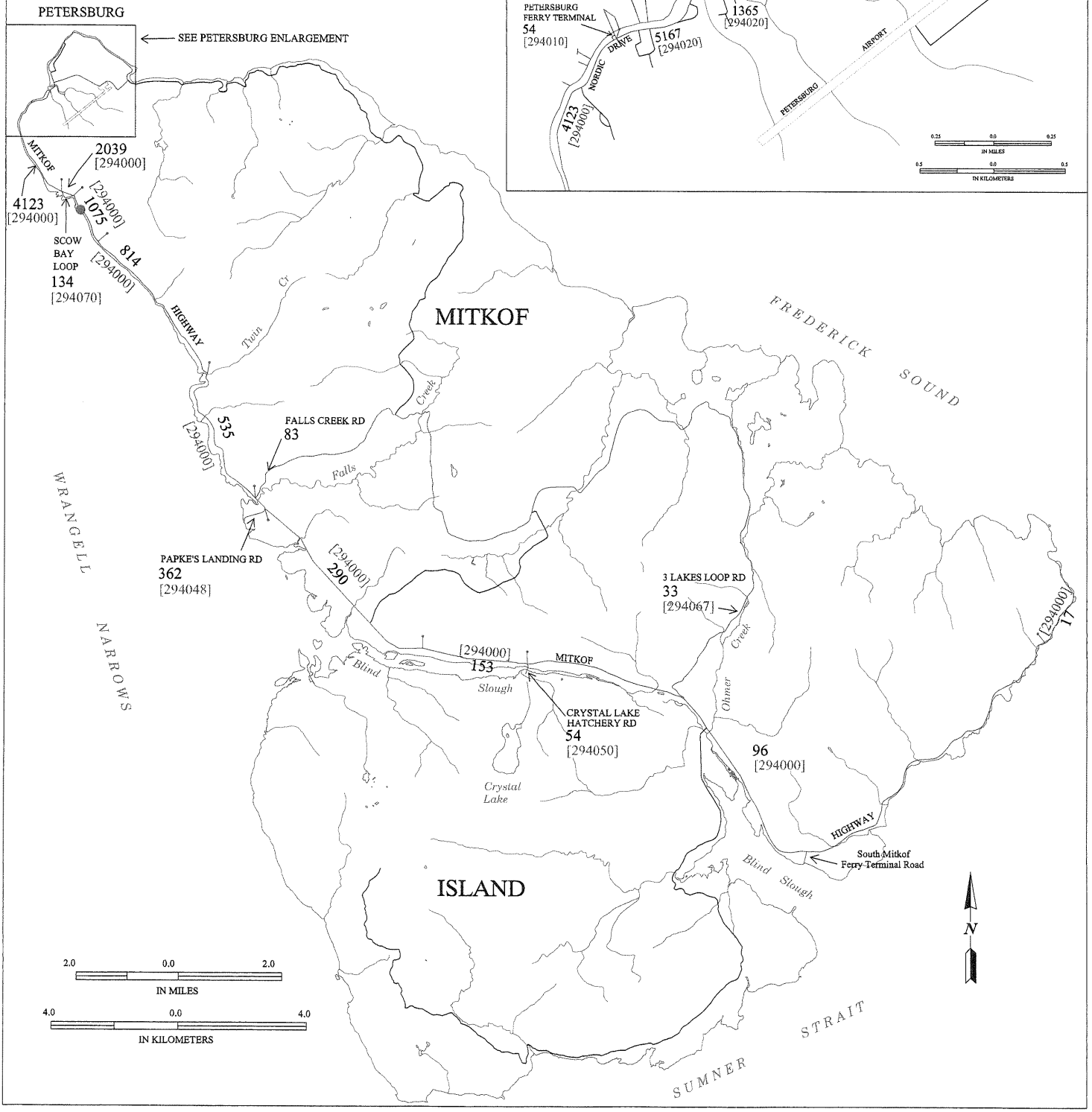
DIVISION OF DESIGN AND ENGINEERING SERVICES
SOUTHEAST REGION TRAFFIC AND SAFETY

LEGEND

999	AVERAGE DAILY TRAFFIC (SHOWN IN RED) COUNTS INCLUDE BOTH DIRECTIONS
[295489]	CDS ROUTE NUMBER
●	P.T.R. LOCATION
——	STATE ROADS
——	MUNICIPAL OR LOCAL ROADS





WRANGELL ISLAND TRAFFIC MAP 2007

Prepared By

ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
DIVISION OF DESIGN AND ENGINEERING SERVICES
SOUTHEAST REGION TRAFFIC AND SAFETY

LEGEND

999 AVERAGE DAILY TRAFFIC (SHOWN IN RED) COUNTS INCLUDE BOTH DIRECTIONS

[295489] CDS ROUTE NUNMBER

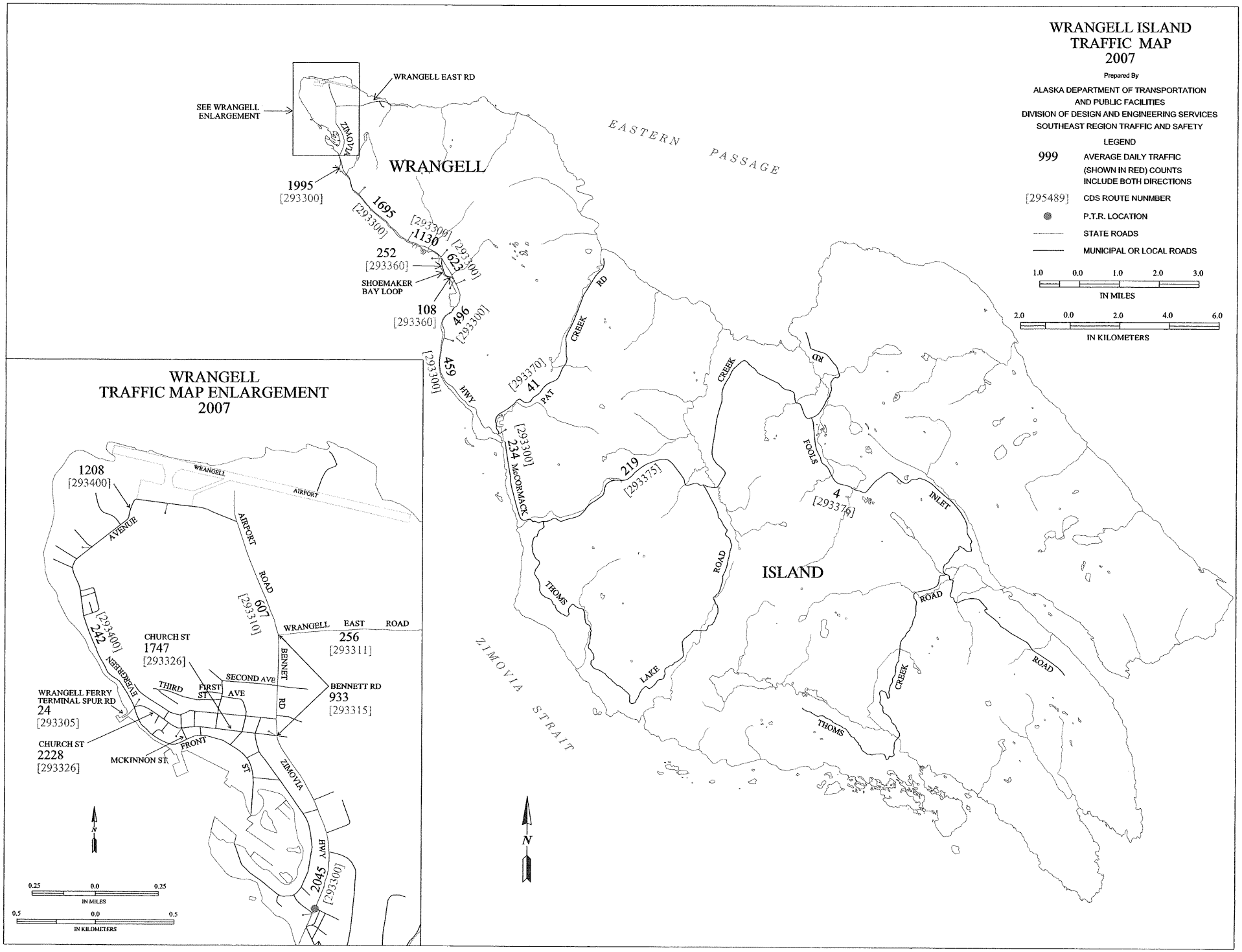
P.T.R. LOCATION

STATE ROADS

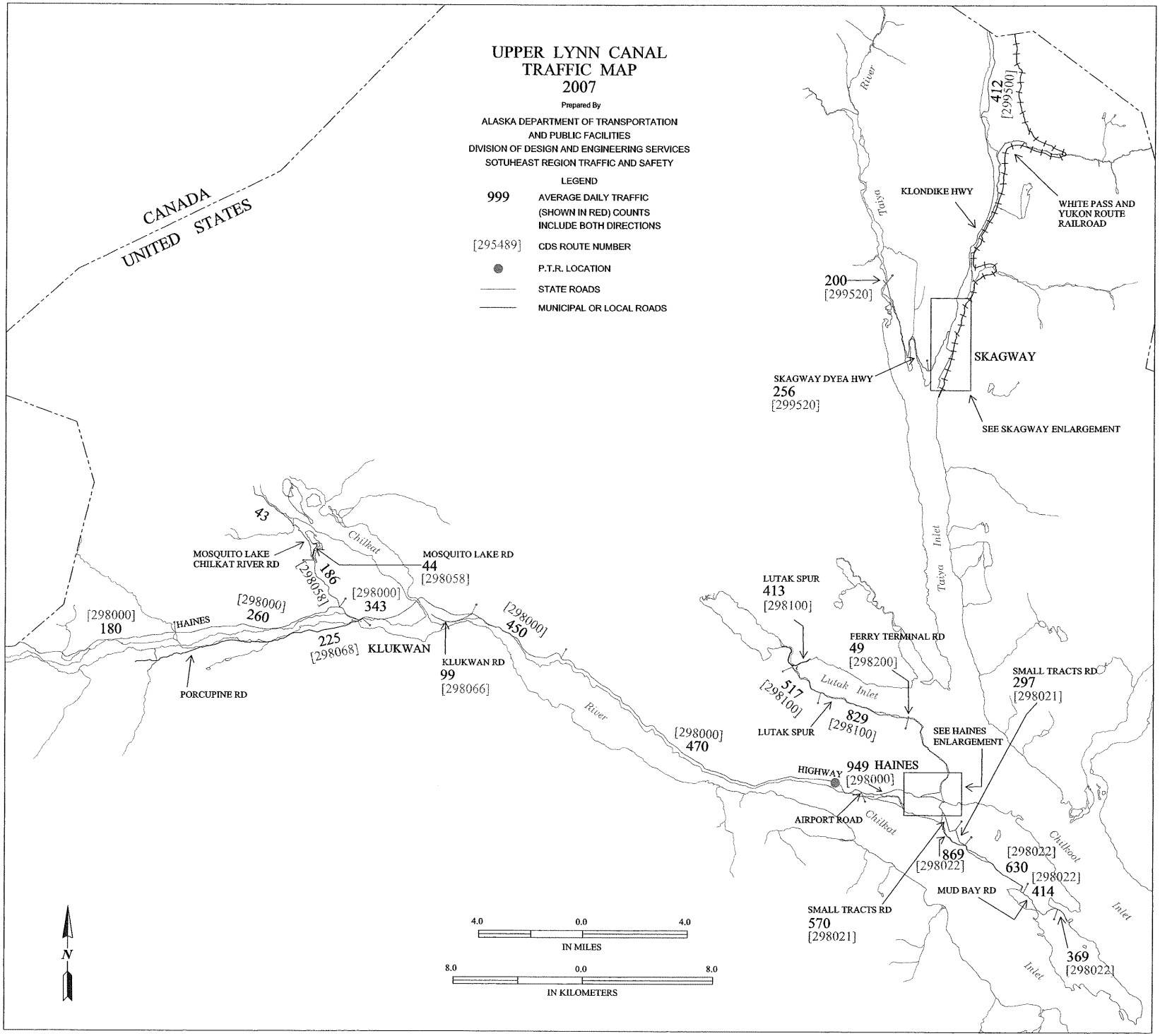
MUNICIPAL OR LOCAL ROADS

1.0 0.0 1.0 2.0 3.0
IN MILES

2.0 0.0 2.0 4.0 6.0
IN KILOMETERS



WRANGELL TRAFFIC MAP ENLARGEMENT 2007


UPPER LYNN CANAL
TRAFFIC MAP
2007
Prepared By
ALASKA DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
DIVISION OF DESIGN AND ENGINEERING SERVICES
SOTUHEAST REGION TRAFFIC AND SAFETY
LEGEND
999 AVERAGE DAILY TRAFFIC (SHOWN IN RED) COUNTS INCLUDE BOTH DIRECTIONS
[295489] CDS ROUTE NUMBER
P.T.R. LOCATION
STATE ROADS
MUNICIPAL OR LOCAL ROADS
CANADA
UNITED STATES
KLONDIKE HWY
WHITE PASS AND YUKON ROUTE RAILROAD
412 [299500]
200 [299520]
SKAGWAY
SKAGWAY DYEA HWY
256 [299520]
SEE SKAGWAY ENLARGEMENT
Taiya River
Taiya Inlet
43
Chilkat
MOSQUITO LAKE CHILKAT RIVER RD
186 [298058]
MOSQUITO LAKE RD
44 [298058]
[298000] 343
[298000] 260
[298000] 180
HAINES
225 [298068]
KLUKWAN
KLUKWAN RD
99 [298066]
PORCUPINE RD
[298000] 450
River
[298000] 470
LUTAK SPUR
413 [298100]
517 [298100]
LUTAK SPUR
829 [298100]
Lutak Inlet
FERRY TERMINAL RD
49 [298200]
SMALL TRACTS RD
297 [298021]
SEE HAINES ENLARGEMENT
HIGHWAY
949 HAINES [298000]
AIRPORT ROAD
Chilkat
869 [298022]
[298022] 630
[298022] 414
MUD BAY RD
Chilkoot
Inlet
SMALL TRACTS RD
570 [298021]
369 [298022]
N
4.0 0.0 4.0
IN MILES
8.0 0.0 8.0
IN KILOMETERS

HAINES TRAFFIC MAP
2007

Prepared By

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SOUTHEAST REGION TRAFFIC AND SAFETY

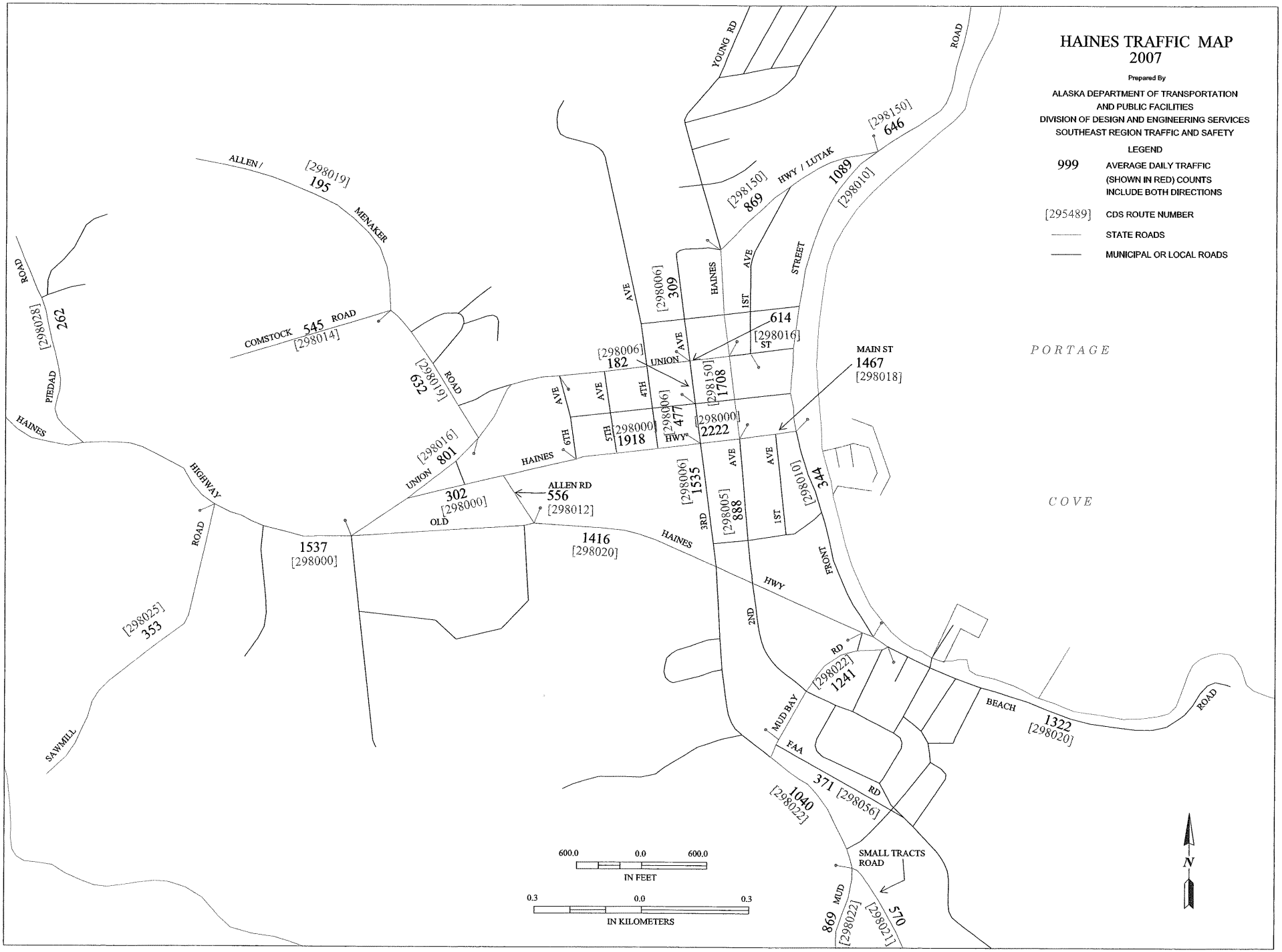
LEGEND

999 AVERAGE DAILY TRAFFIC (SHOWN IN RED) COUNTS INCLUDE BOTH DIRECTIONS

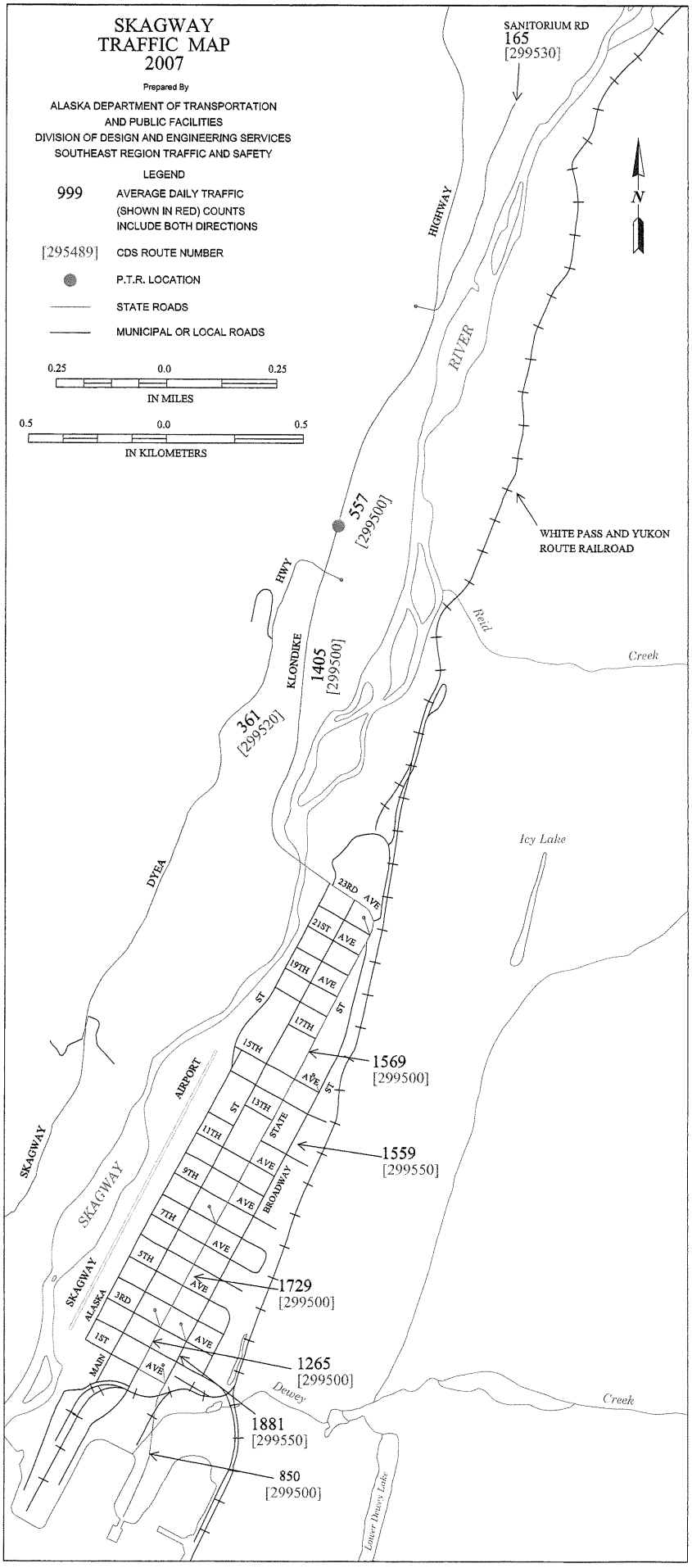
[295489] CDS ROUTE NUMBER

STATE ROADS

MUNICIPAL OR LOCAL ROADS



MAP 18


SKAGWAY
TRAFFIC MAP
2007
Prepared By
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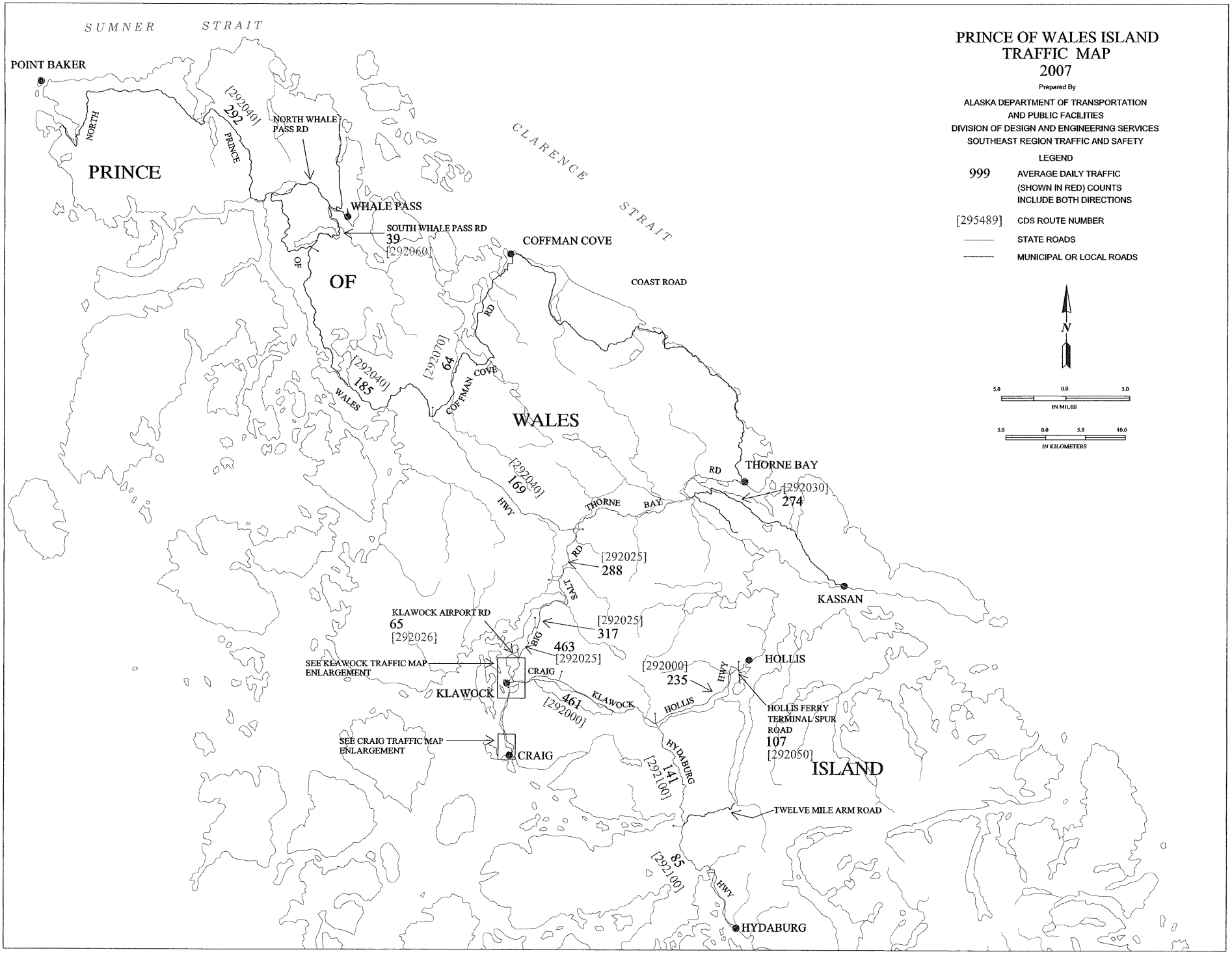
SOUTHEAST REGION TRAFFIC AND SAFETY
LEGEND
999 AVERAGE DAILY TRAFFIC (SHOWN IN RED) COUNTS INCLUDE BOTH DIRECTIONS
[295489] CDS ROUTE NUMBER
P.T.R. LOCATION
STATE ROADS
MUNICIPAL OR LOCAL ROADS
0.25 0.0 0.25
IN MILES
0.5 0.0 0.5
IN KILOMETERS
SANITORIUM RD
165
[299530]
N
HIGHWAY
RIVER
557
[299500]
WHITE PASS AND YUKON
ROUTE RAILROAD
HWY
KLONDIKE
1405
[299500]
Reid
Creek
361
[299520]
Icy Lake
DYEA
23RD AVE
21ST AVE
19TH AVE
17TH
15TH
1569
[299500]
AVE
13TH
STATE
11TH
1559
[299550]
AVE
9TH
AVE
BROADWAY
7TH
AVE
5TH
AVE
1729
[299500]
3RD
AVE
1ST
AVE
1265
[299500]
MAIN
AVE
Dewey
Creek
1881
[299550]
850
[299500]
Lower Dewey Lake
SKAGWAY
AIRPORT
SKAGWAY
SKAGWAY
ALASKA
5T
15


PRINCE OF WALES ISLAND
TRAFFIC MAP
2007
Prepared By
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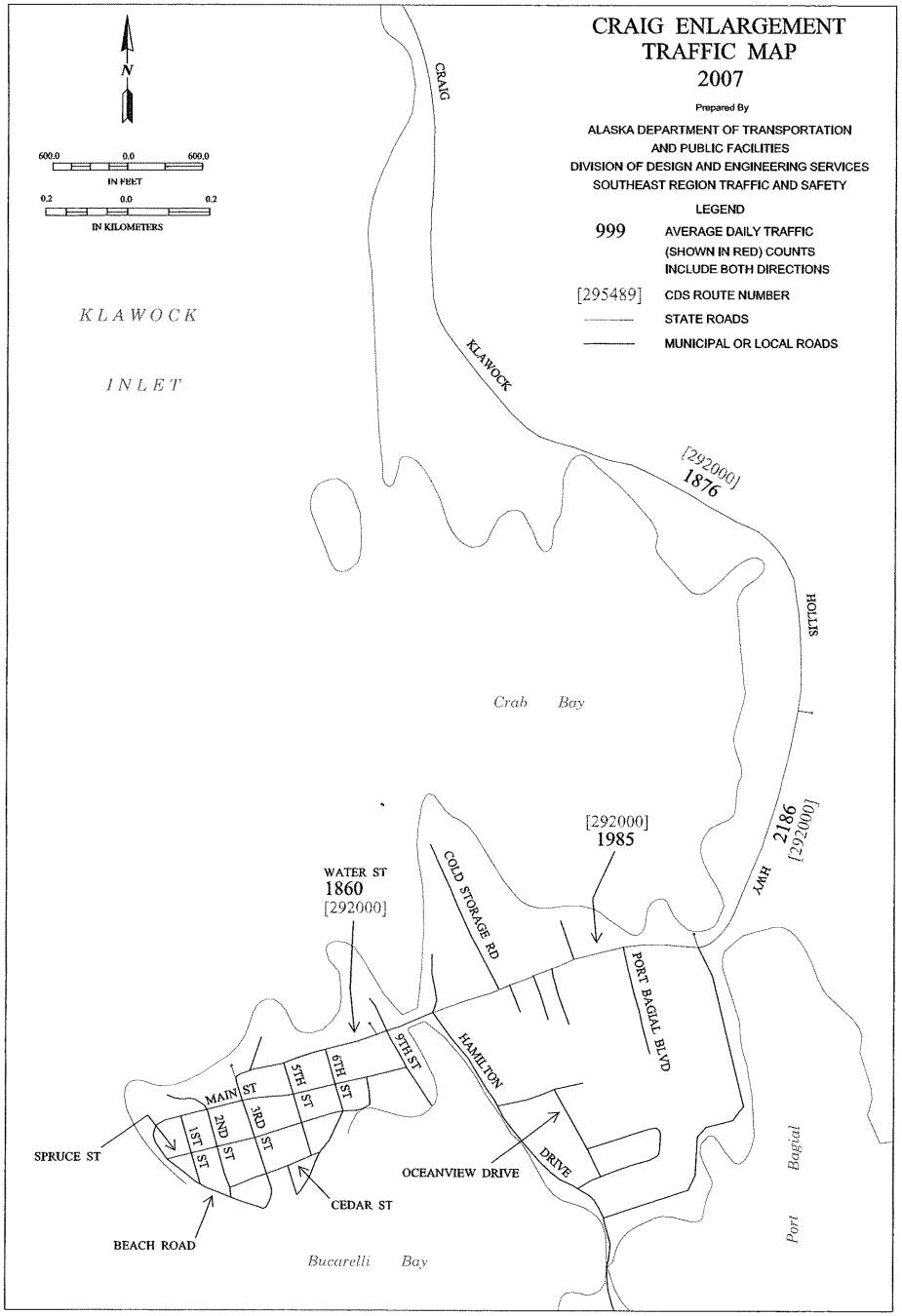
AND PUBLIC FACILITIES
DIVISION OF DESIGN AND ENGINEERING SERVICES
SOUTHEAST REGION TRAFFIC AND SAFETY
LEGEND
999 AVERAGE DAILY TRAFFIC (SHOWN IN RED) COUNTS INCLUDE BOTH DIRECTIONS
[295489] CDS ROUTE NUMBER
STATE ROADS
MUNICIPAL OR LOCAL ROADS
N
5.0 0.0 5.0
IN MILES
5.0 0.0 5.0 10.0
IN KILOMETERS
SUMNER STRAIT
CLARENCE STRAIT
POINT BAKER
PRINCE OF WALES ISLAND
NORTH PRINCE RD
[292040] 292
NORTH WHALE PASS RD
WHALE PASS
SOUTH WHALE PASS RD
39
[292060]
COFFMAN COVE
COAST ROAD
[292070] 64
COFFMAN COVE RD
[292040] 185
WALES HWY
[292040] 169
THORNE BAY RD
THORNE BAY
[292030] 274
[292025] 288
SALT RD
KASSAN
KLAWOCK AIRPORT RD
65
[292026]
[292025] 317
BIG 463
[292025]
SEE KLAWOCK TRAFFIC MAP ENLARGEMENT
CRAIG
KLAWOCK
461
[292000]
KLAWOCK HOLLIS HWY
[292000] 235
HOLLIS
HOLLIS FERRY TERMINAL SPUR ROAD
107
[292050]
SEE CRAIG TRAFFIC MAP ENLARGEMENT
CRAIG
HYDABURG
141
[292100]
ISLAND
TWELVE MILE ARM ROAD
85
[292100]
HYDABURG HWY
HYDABURG

MAP 20


CRAIG ENLARGEMENT
TRAFFIC MAP
2007
Prepared By
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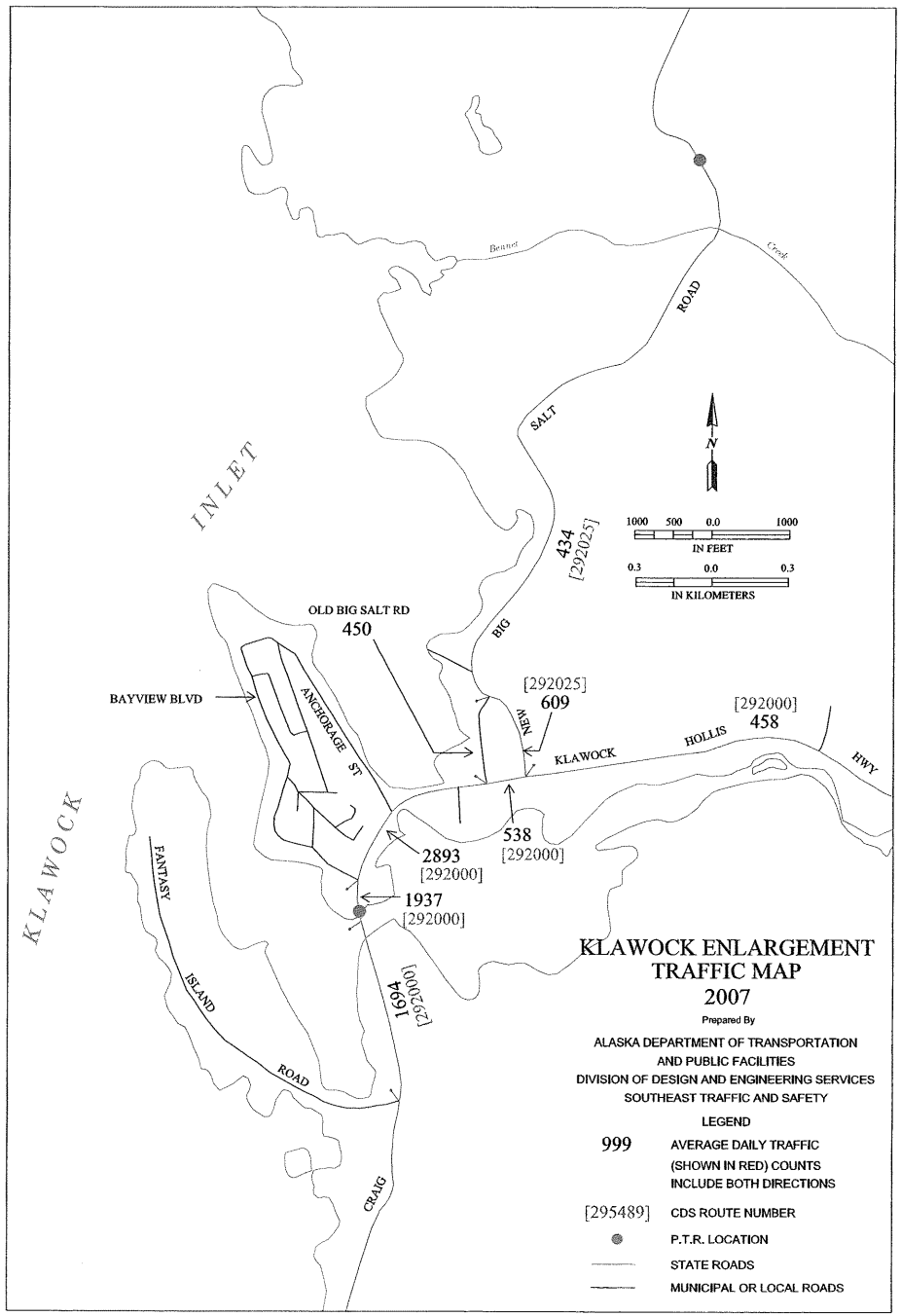
DIVISION OF DESIGN AND ENGINEERING SERVICES
SOUTHEAST REGION TRAFFIC AND SAFETY
LEGEND
999 AVERAGE DAILY TRAFFIC (SHOWN IN RED) COUNTS INCLUDE BOTH DIRECTIONS
[295489] CDS ROUTE NUMBER
STATE ROADS
MUNICIPAL OR LOCAL ROADS
N
600.0 0.0 600.0
IN FEET
0.2 0.0 0.2
IN KILOMETERS
KLAWOCK
INLET
CRAIG
KLAWOCK
[292000]
1876
HOLLIS
Crab Bay
[292000]
1985
2186
[292000]
HWY
WATER ST
1860
[292000]
COLD STORAGE RD
PORT BAGIAL BLVD
HAMILTON
DRIVE
OCEANVIEW DRIVE
SPRUCE ST
MAIN ST
1ST ST
2ND ST
3RD ST
5TH ST
6TH ST
9TH ST
CEDAR ST
BEACH ROAD
Bucarelli Bay
Port Bagial


KLAWOCK
INLET
Beaver
Creek
ROAD
SALT
BIG
434
[292025]
N
1000 500 0.0 1000
IN FEET
0.3 0.0 0.3
IN KILOMETERS
OLD BIG SALT RD
450
BAYVIEW BLVD
ANCHORAGE ST
[292025]
609
NEW
[292000]
458
KLAWOCK
HOLLIS
HWY
538
[292000]
2893
[292000]
1937
[292000]
1694
[292000]
FANTASY
ISLAND
ROAD
CRAIG
KLAWOCK ENLARGEMENT
TRAFFIC MAP
2007
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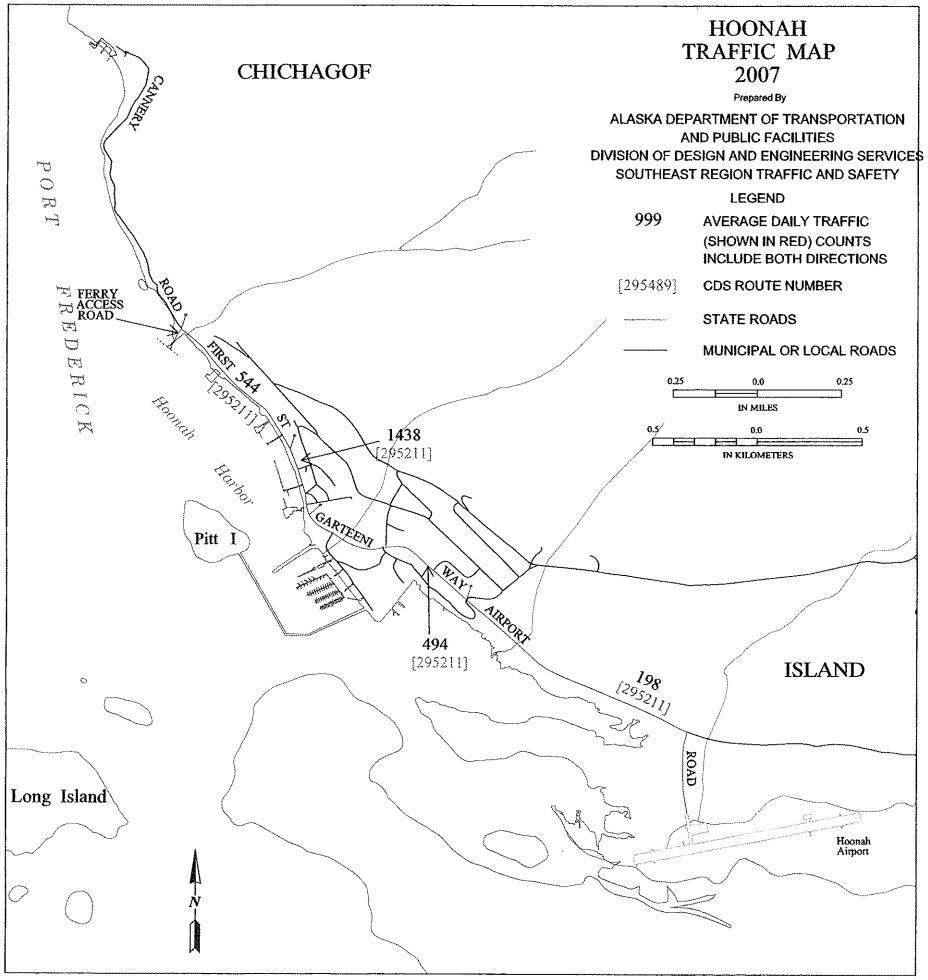
SOUTHEAST TRAFFIC AND SAFETY
LEGEND
999 AVERAGE DAILY TRAFFIC (SHOWN IN RED) COUNTS INCLUDE BOTH DIRECTIONS
[295489] CDS ROUTE NUMBER
P.T.R. LOCATION
STATE ROADS
MUNICIPAL OR LOCAL ROADS


HOONAH
TRAFFIC MAP
2007
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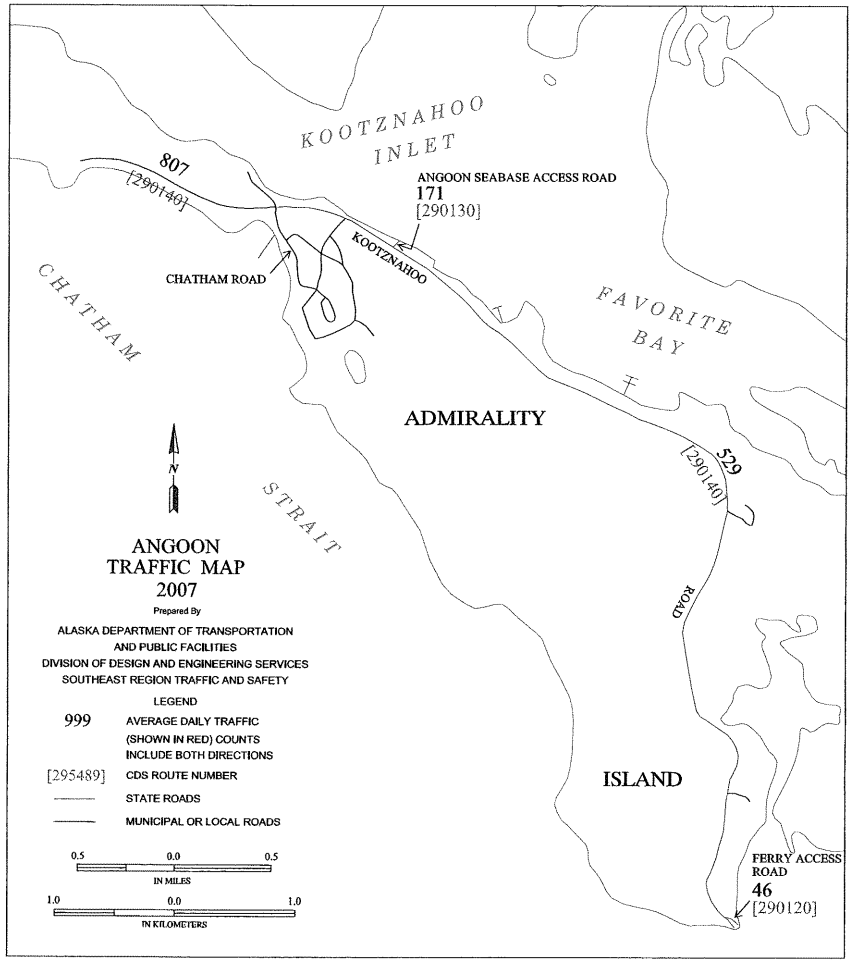
SOUTHEAST REGION TRAFFIC AND SAFETY
LEGEND
999 AVERAGE DAILY TRAFFIC (SHOWN IN RED) COUNTS INCLUDE BOTH DIRECTIONS
[295489] CDS ROUTE NUMBER
STATE ROADS
MUNICIPAL OR LOCAL ROADS
0.25 0.0 0.25
IN MILES
0.5 0.0 0.5
IN KILOMETERS
CHICHAGOF
ISLAND
PORT FREDERICK
CANNERY ROAD
FERRY ACCESS ROAD
FIRST 544 ST
[295211]
1438
[295211]
Hoonah Harbor
Pitt I
GARTEENI WAY
AIRPORT
494
[295211]
198
[295211]
ROAD
Long Island
Hoonah Airport
N


KOOTZNAHOO INLET
807
[290140]
ANGOON SEABASE ACCESS ROAD
171
[290130]
KOOTZNAHOO
CHATHAM ROAD
CHATHAM
FAVORITE BAY
ADMIRALITY
STRAIT
529
[290140]
ROAD
ISLAND
FERRY ACCESS ROAD
46
[290120]
N
ANGOON
TRAFFIC MAP
2007
Prepared By
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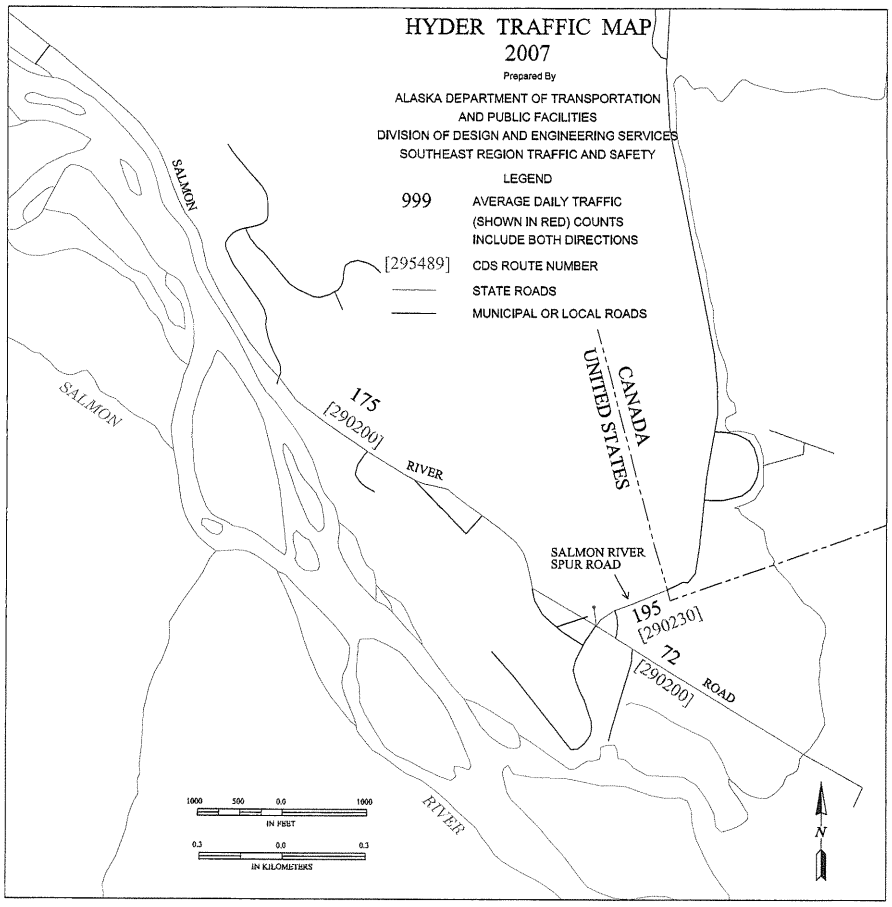
DIVISION OF DESIGN AND ENGINEERING SERVICES
SOUTHEAST REGION TRAFFIC AND SAFETY
LEGEND
999 AVERAGE DAILY TRAFFIC (SHOWN IN RED) COUNTS INCLUDE BOTH DIRECTIONS
[295489] CDS ROUTE NUMBER
STATE ROADS
MUNICIPAL OR LOCAL ROADS
0.5 0.0 0.5
IN MILES
1.0 0.0 1.0
IN KILOMETERS


HYDER TRAFFIC MAP
2007
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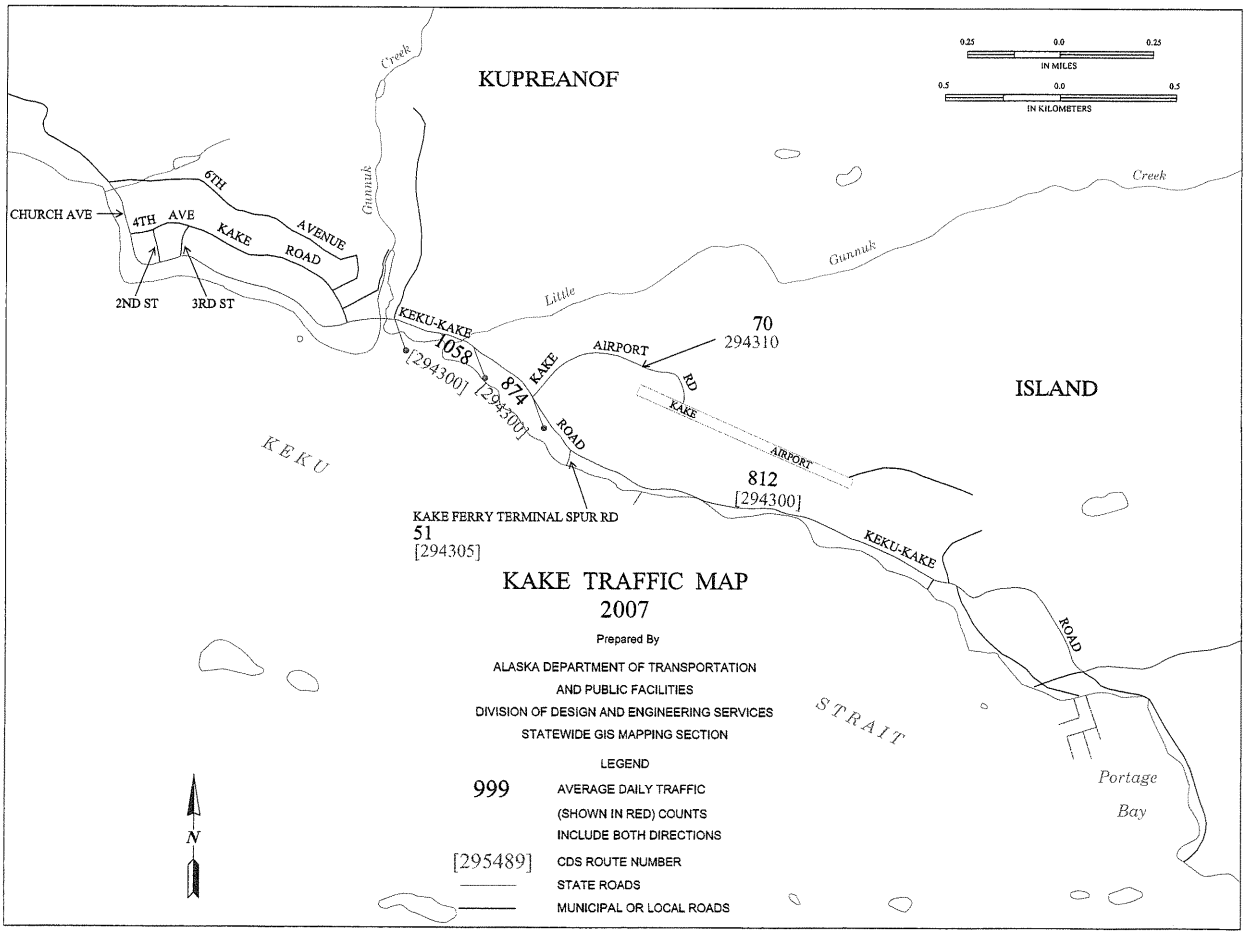
SOUTHEAST REGION TRAFFIC AND SAFETY
LEGEND
999 AVERAGE DAILY TRAFFIC (SHOWN IN RED) COUNTS INCLUDE BOTH DIRECTIONS
[295489] CDS ROUTE NUMBER
STATE ROADS
MUNICIPAL OR LOCAL ROADS
SALMON
SALMON
RIVER
RIVER
175
[290200]
CANADA
UNITED STATES
SALMON RIVER SPUR ROAD
195
[290230]
72
[290200]
ROAD
1000 500 0.0 1000
IN FEET
0.3 0.0 0.3
IN KILOMETERS
N


KUPREANOF
ISLAND
0.25 0.0 0.25
IN MILES
0.5 0.0 0.5
IN KILOMETERS
Creek
Gunnuk
Creek
Gunnuk
Little
CHURCH AVE
4TH AVE
6TH
AVENUE
KAKE
ROAD
2ND ST
3RD ST
KEKU-KAKE
1058
[294300]
874
[294300]
KAKE
ROAD
AIRPORT
RD
70
294310
KAKE
AIRPORT
812
[294300]
KEKU-KAKE
ROAD
KAKE FERRY TERMINAL SPUR RD
51
[294305]
KEKU
STRAIT
Portage
Bay
KAKE TRAFFIC MAP
2007
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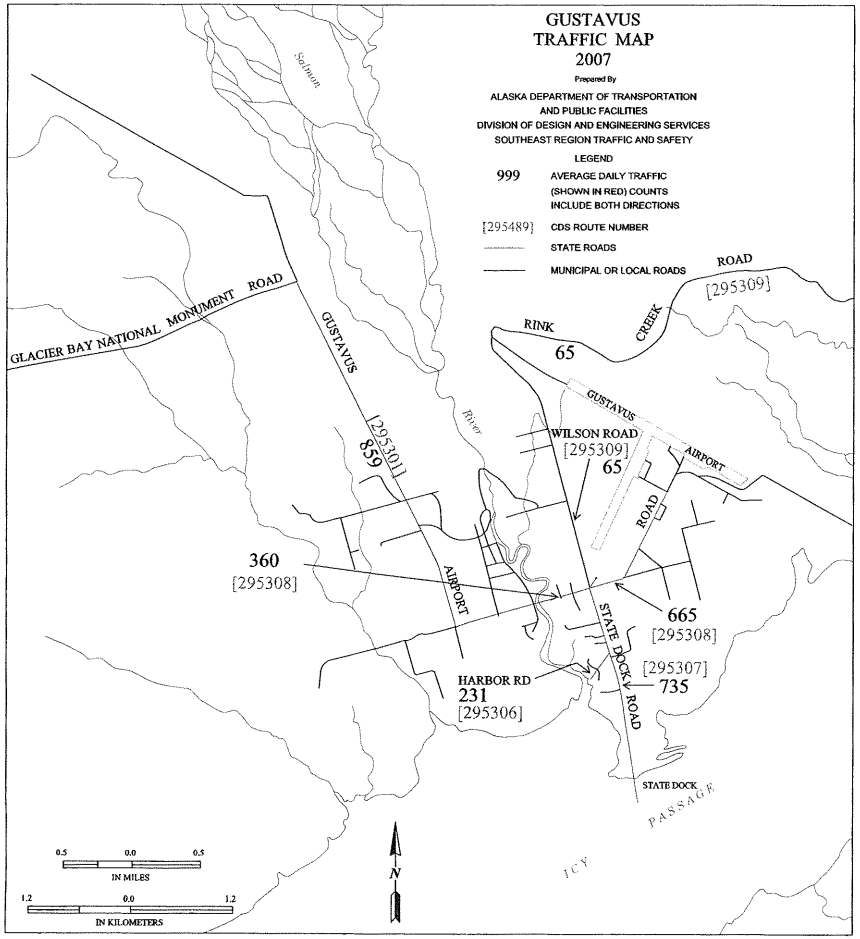
AND PUBLIC FACILITIES
DIVISION OF DESIGN AND ENGINEERING SERVICES
STATEWIDE GIS MAPPING SECTION
LEGEND
999 AVERAGE DAILY TRAFFIC (SHOWN IN RED) COUNTS INCLUDE BOTH DIRECTIONS
[295489] CDS ROUTE NUMBER
STATE ROADS
MUNICIPAL OR LOCAL ROADS
N


GUSTAVUS
TRAFFIC MAP
2007
Prepared By
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AND PUBLIC FACILITIES
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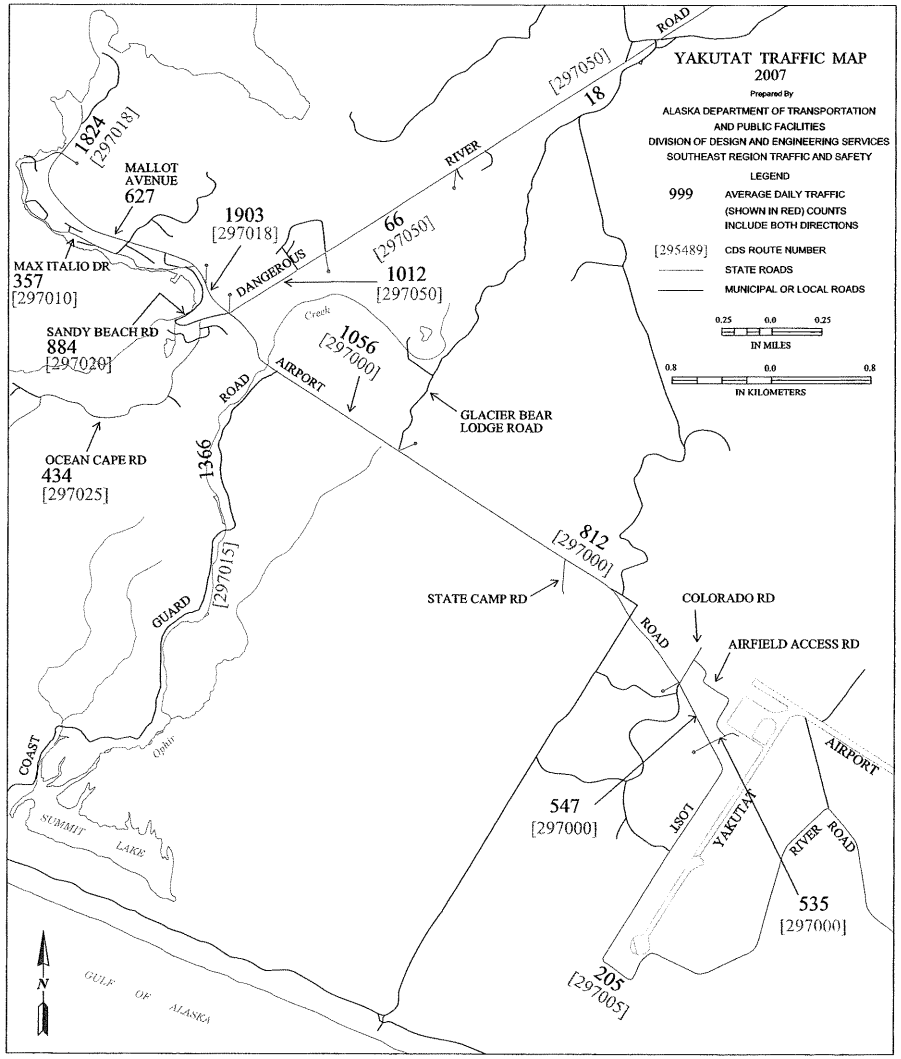
SOUTHEAST REGION TRAFFIC AND SAFETY
LEGEND
999 AVERAGE DAILY TRAFFIC (SHOWN IN RED) COUNTS INCLUDE BOTH DIRECTIONS
[295489] CDS ROUTE NUMBER
STATE ROADS
MUNICIPAL OR LOCAL ROADS
GLACIER BAY NATIONAL MONUMENT ROAD
GUSTAVUS
[295301]
859
360
[295308]
AIRPORT
HARBOR RD
231
[295306]
STATE DOCK ROAD
665
[295308]
[295307]
735
STATE DOCK
PASSAGE
ICY
River
Salmon
WILSON ROAD
[295309]
65
GUSTAVUS
AIRPORT
ROAD
RINK
65
CREEK
ROAD
[295309]
0.5 0.0 0.5
IN MILES
1.2 0.0 1.2
IN KILOMETERS
N


YAKUTAT TRAFFIC MAP
2007
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SOUTHEAST REGION TRAFFIC AND SAFETY
LEGEND
999 AVERAGE DAILY TRAFFIC (SHOWN IN RED) COUNTS INCLUDE BOTH DIRECTIONS
[295489] CDS ROUTE NUMBER
STATE ROADS
MUNICIPAL OR LOCAL ROADS
0.25 0.0 0.25
IN MILES
0.8 0.0 0.8
IN KILOMETERS
1824
[297018]
MALLOT AVENUE
627
1903
[297018]
MAX ITALIO DR
357
[297010]
DANGEROUS
RIVER
[297050]
18
66
[297050]
1012
[297050]
SANDY BEACH RD
884
[297020]
Creek
1056
[297000]
ROAD
AIRPORT
GLACIER BEAR LODGE ROAD
OCEAN CAPE RD
434
[297025]
1366
812
[297000]
STATE CAMP RD
COLORADO RD
AIRFIELD ACCESS RD
GUARD
[297015]
ROAD
COAST
Ophir
SUMMIT LAKE
547
[297000]
JSOT
YAKUTAT
AIRPORT
RIVER ROAD
535
[297000]
205
[297005]
GULF OF ALASKA
N