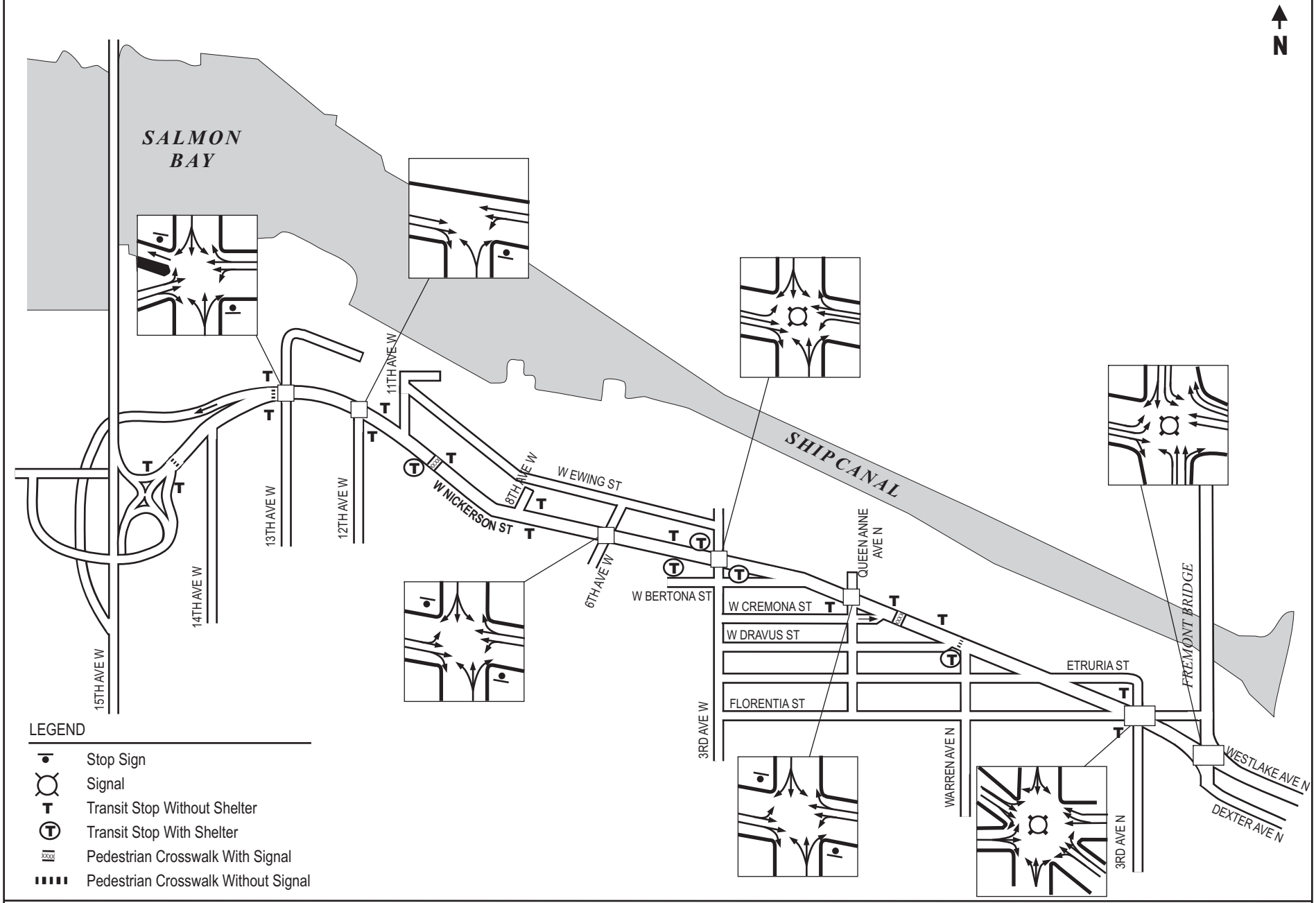


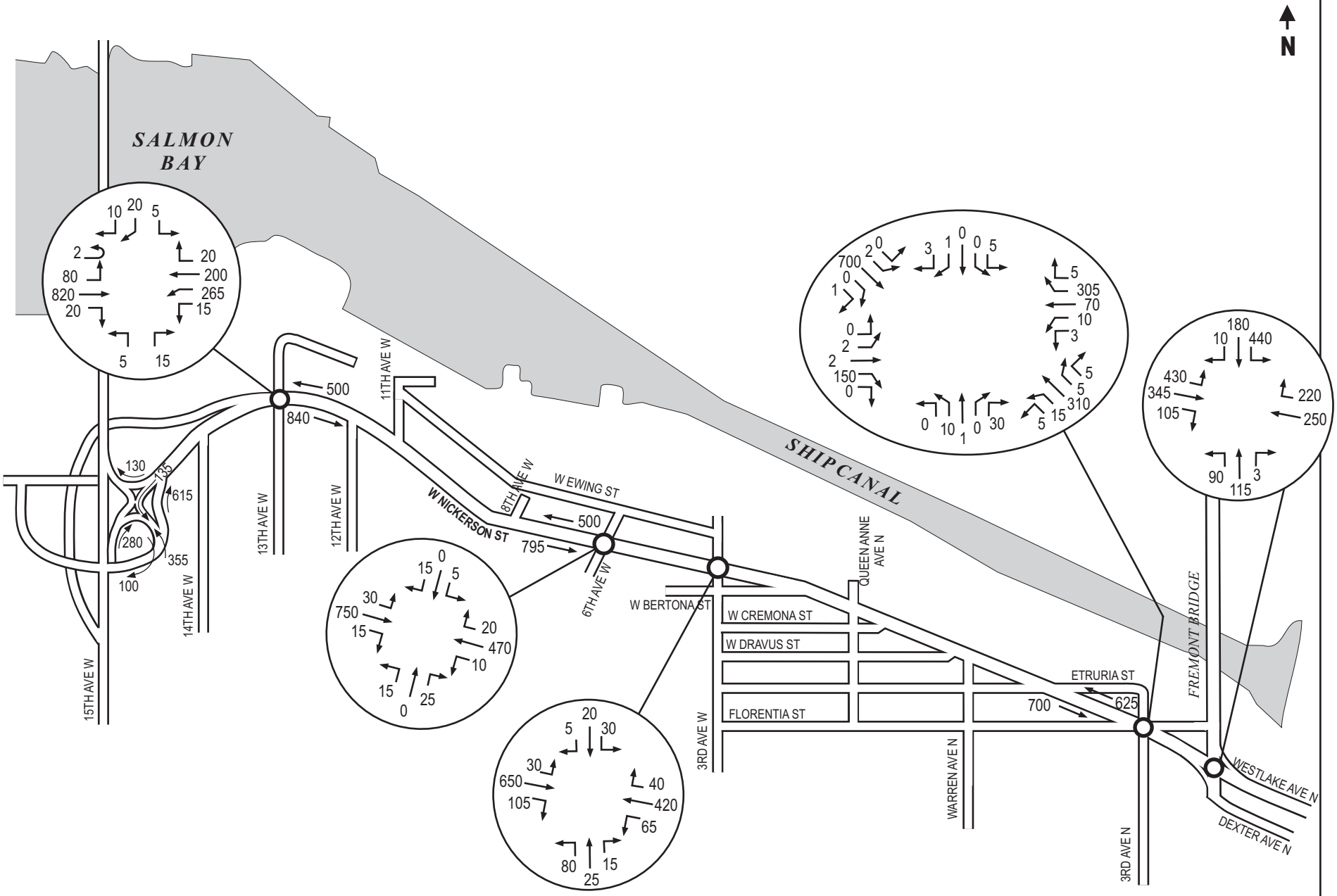
W NICKERSON STREET
Corridor Study

Figure 1

Existing Roadway Conditions

heffron transportation, inc.

08.08.07

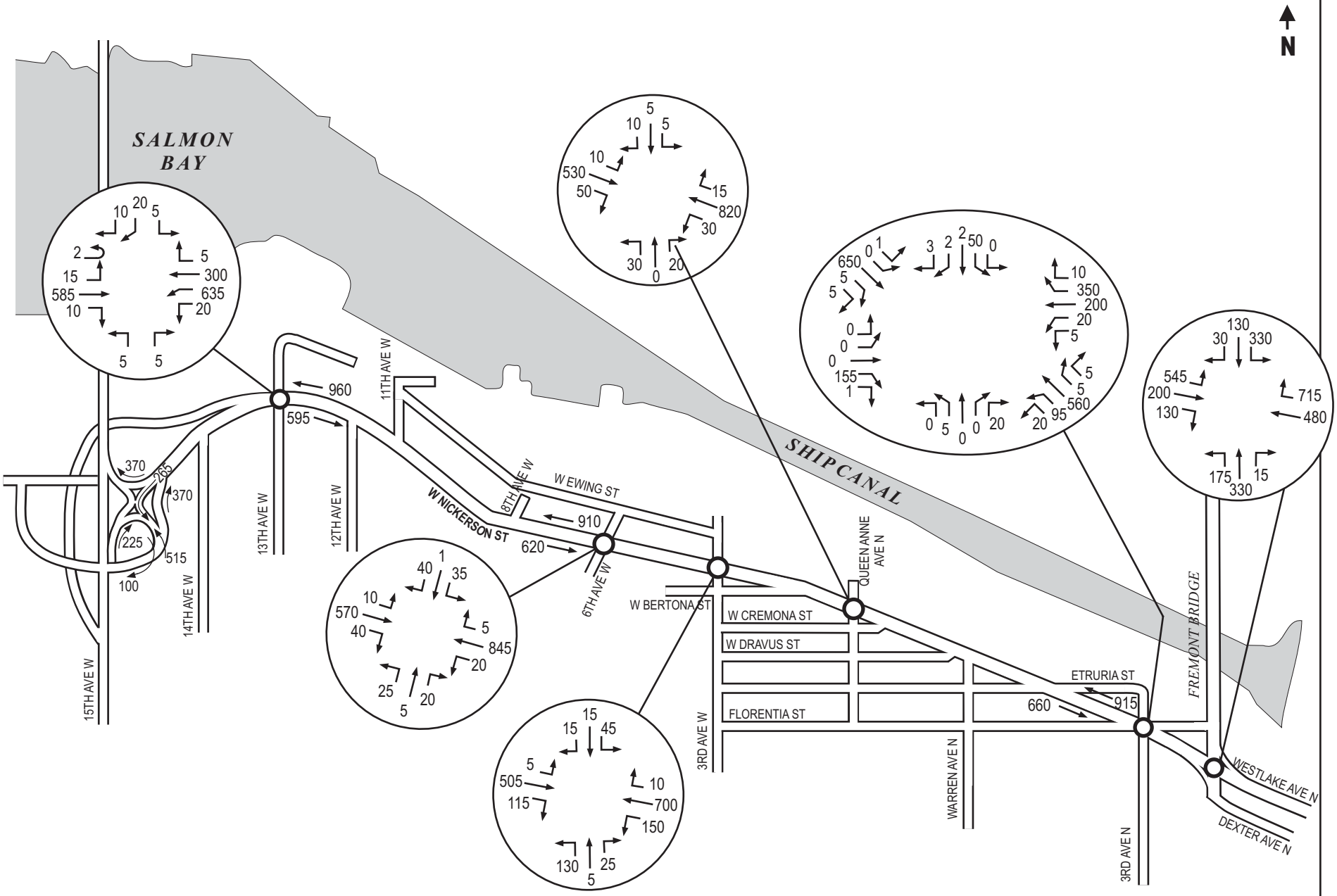


W NICKERSON STREET
Corridor Study

Figure 4
Existing (2007) Traffic Volumes
AM Peak Hour

heffron transportation, inc.

08.08.07

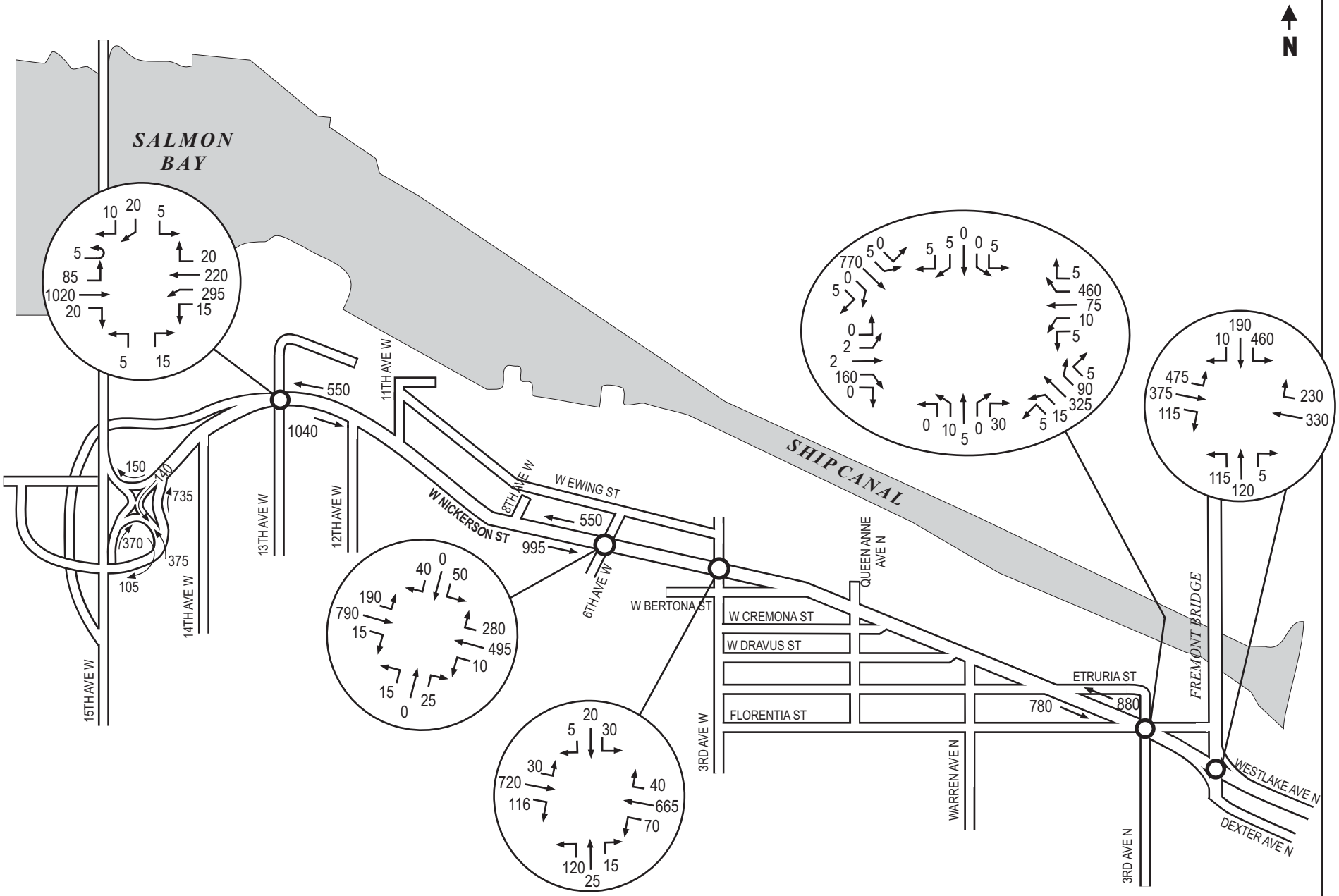


W NICKERSON STREET
Corridor Study

Figure 5
Existing (2007) Traffic Volumes
PM Peak Hour

heffron transportation, inc.

08.08.07

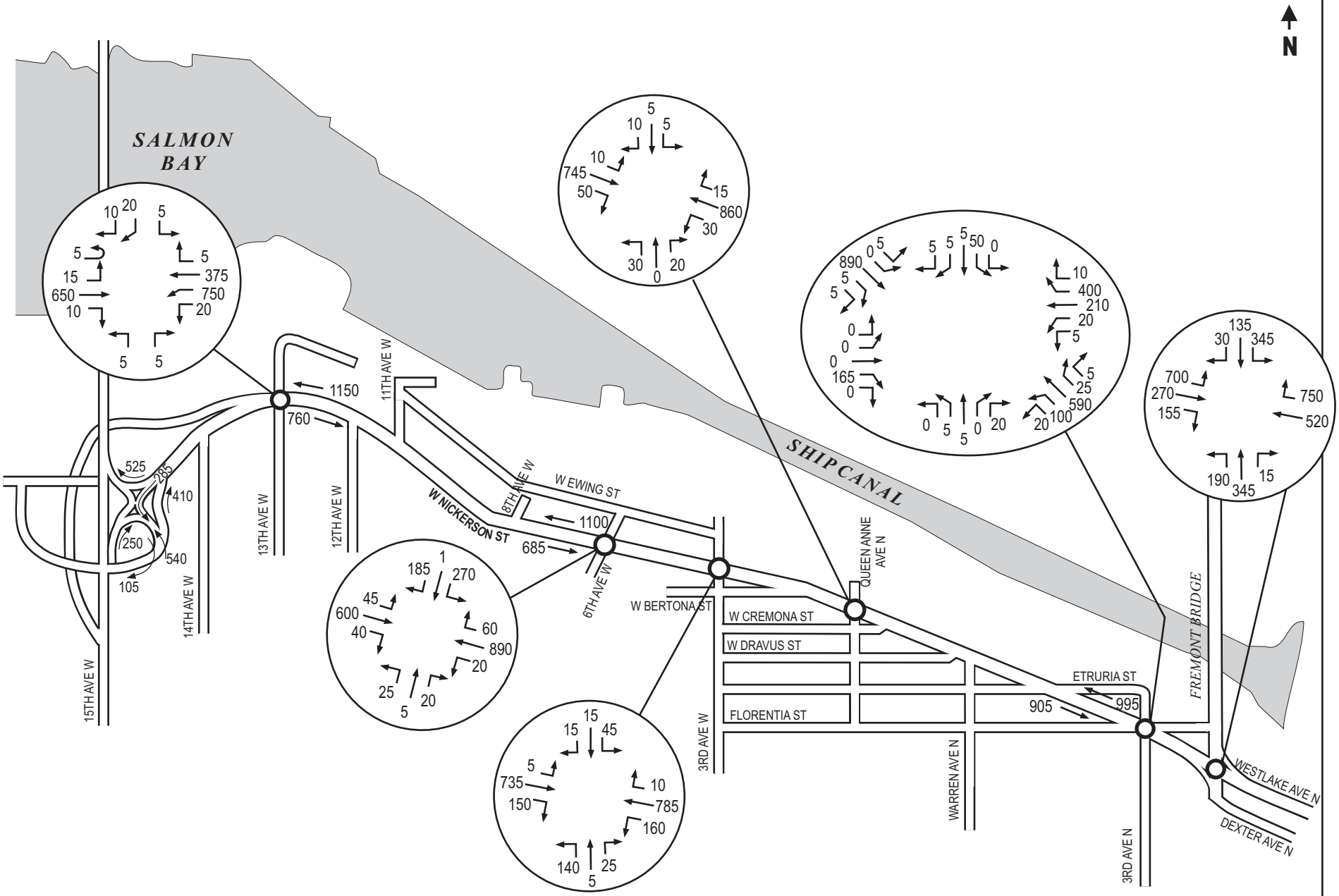


W NICKERSON STREET
Corridor Study

Figure 7
Future (2012) Traffic Volumes
AM Peak Hour

heffron transportation, inc.

08.08.07

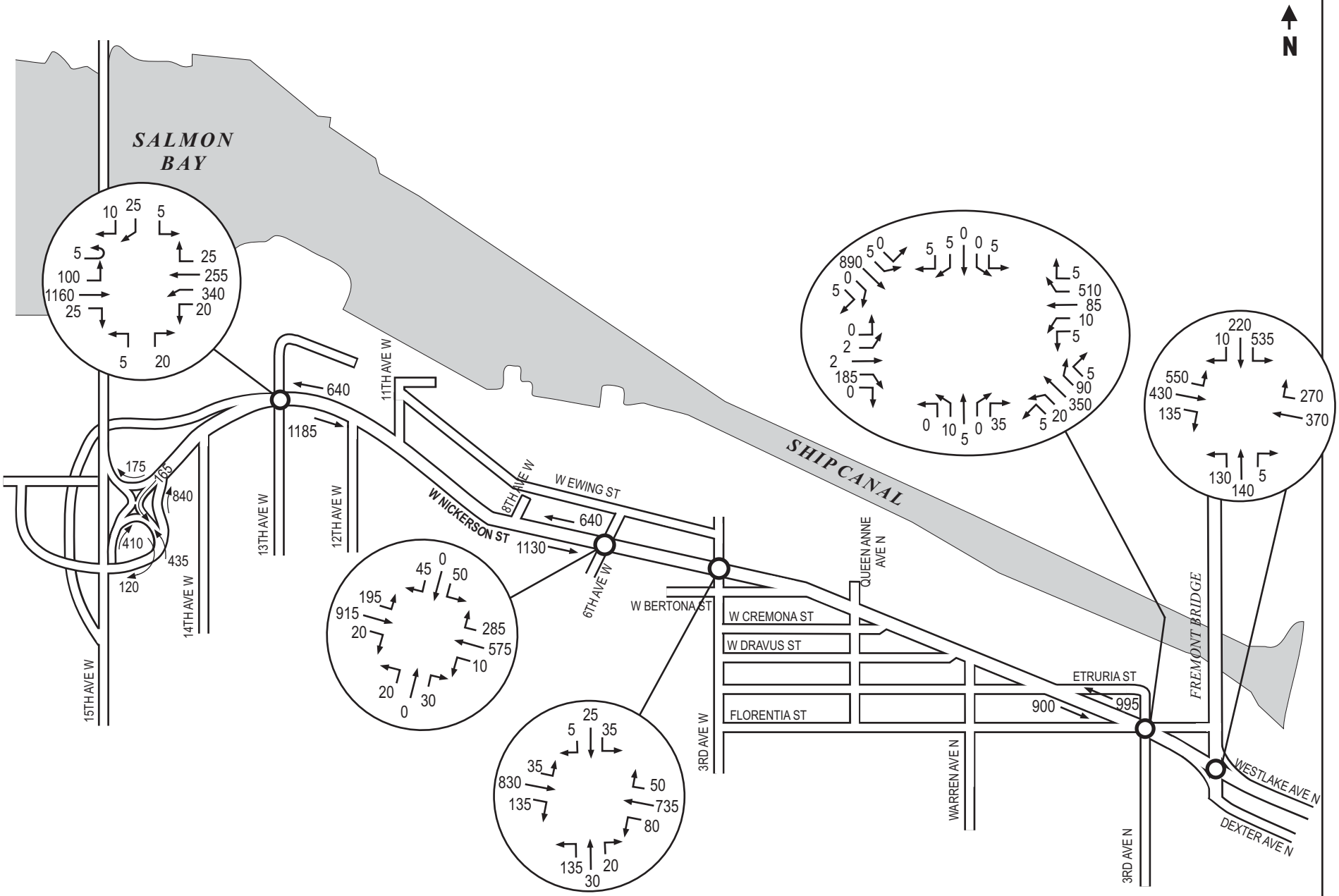


W NICKERSON STREET
Corridor Study

Figure 8
Future (2012) Traffic Volumes
PM Peak Hour

heffron transportation, inc.

08.08.07

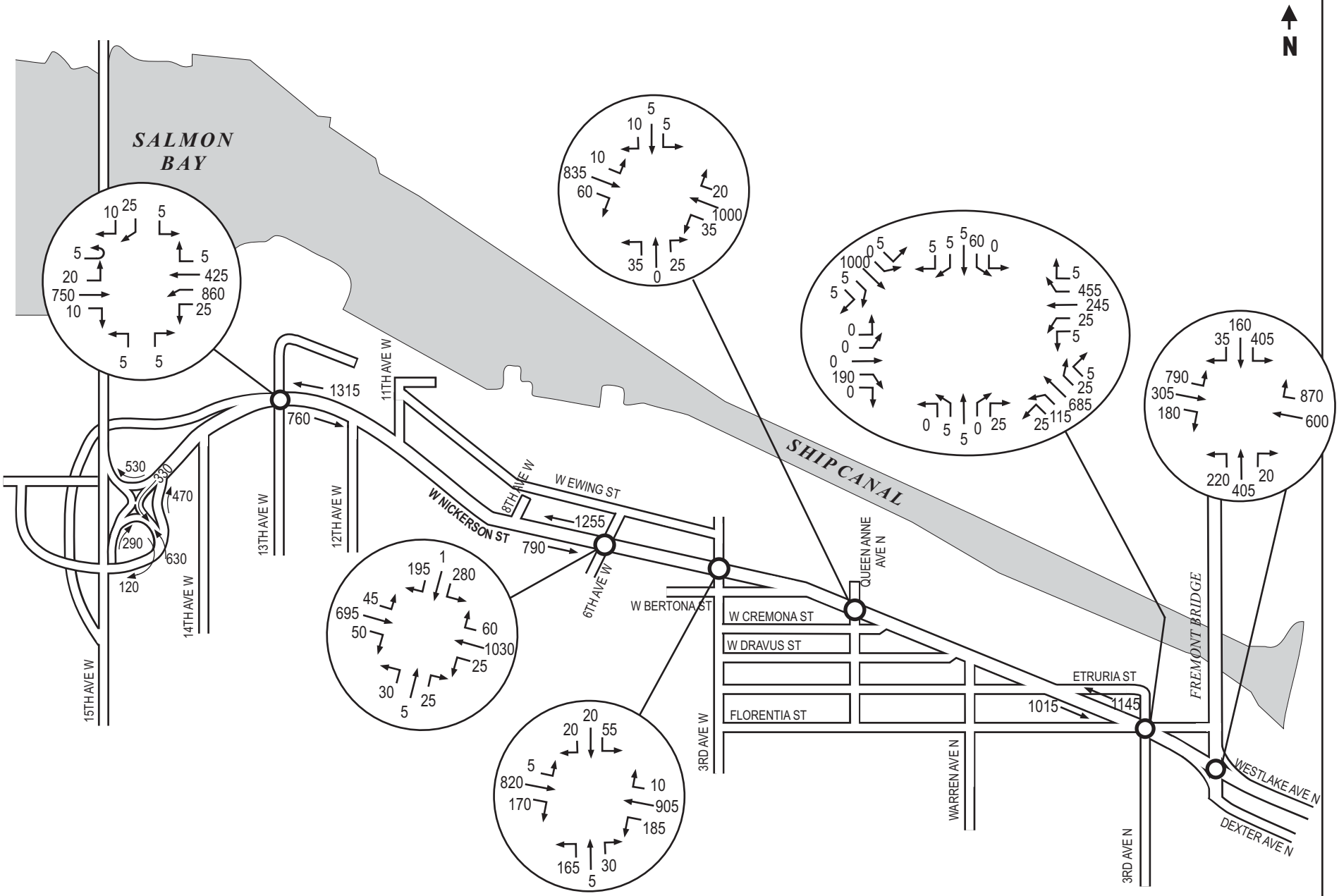


W NICKERSON STREET
Corridor Study

Figure 9
Future (2027) Traffic Volumes
AM Peak Hour

heffron transportation, inc.

08.08.07



W NICKERSON STREET
Corridor Study

Figure 10
Future (2027) Traffic Volumes
PM Peak Hour

heffron transportation, inc.

08.08.07

Signal Warrant Analysis for W Nickerson Street/6th Avenue W

Traffic Volume Summary

	W Nickerson Street							6th Avenue W		
	Eastbound			Westbound				Southbound Left Only		
Time Begin	Existing	Year 2012 No Action	Project Traffic	Existing	Year 2012 No Action	Project Traffic	Total NB + SB	2012 No Action	Project Trips	Total
12:00 AM	116	122	1	75	79	2	204	3	4	6
1:00 AM	59	62	0	53	56	1	119	1	3	4
2:00 AM	33	35	1	28	29	1	66	1	9	10
3:00 AM	30	32	2	16	17	3	54	1	6	7
4:00 AM	62	65	4	49	51	6	127	1	2	3
5:00 AM	228	240	31	139	146	50	467	5	10	15
6:00 AM	511	537	62	351	369	100	1,068	11	20	31
7:00 AM	644	676	121	455	478	196	1,471	14	38	52
8:00 AM	785	825	160	465	489	260	1,734	17	35	52
9:00 AM	697	733	66	339	356	107	1,261	15	39	54
10:00 AM	653	686	36	451	474	58	1,253	14	43	58
11:00 AM	715	752	28	494	519	45	1,343	16	62	78
12:00 PM	719	756	37	618	649	60	1,502	16	62	78
1:00 PM	622	654	35	583	613	56	1,357	14	79	93
2:00 PM	552	580	25	646	679	41	1,325	41	116	157
3:00 PM	518	544	18	787	827	29	1,417	38	138	176
4:00 PM	542	569	34	885	930	56	1,590	40	176	216
5:00 PM	625	657	17	845	888	27	1,589	46	156	202
6:00 PM	598	628	9	685	720	15	1,372	26	64	90
7:00 PM	533	560	5	528	555	8	1,127	24	35	59
8:00 PM	490	515	3	443	466	5	989	22	13	35
9:00 PM	395	415	2	350	368	3	789	17	16	33
10:00 PM	311	327	2	239	251	4	584	14	8	22
11:00 PM	164	172	2	164	172	4	351	7	8	15
Total Day	10,600	11,141	700	9,686	10,181	1,140	1,840	405	1,140	1,545

Table 1. Signal Warrant Summary - W Nickerson Street/6th Avenue W - Year 2012 Conditions with Full Build of Ilahie Uplands Projects

	W Nickerson Street	6th Avenue W	Warrant 1A		Warrant 1B		Warrant 2	Warrant 3
			W Nickerson Stree	6th Avenue W	W Nickerson Street	6th Avenue W		
Time Ending	Total Both Directions	Southbound Left Turn	>600? Met?	>150? Met?	>900? Met?	>75? Met?	Met?	Met?
1:00 AM	204	6	N	N	N	N	N	N
2:00 AM	119	4	N	N	N	N	N	N
3:00 AM	66	10	N	N	N	N	N	N
4:00 AM	54	7	N	N	N	N	N	N
5:00 AM	127	3	N	N	N	N	N	N
6:00 AM	467	15	N	N	N	N	N	N
7:00 AM	1068	31	Y	N	Y	N	N	N
8:00 AM	1471	52	Y	N	Y	N	N	N
9:00 AM	1734	52	Y	N	Y	N	N	N
10:00 AM	1261	54	Y	N	Y	N	N	N
11:00 AM	1253	58	Y	N	Y	N	N	N
12:00 PM	1343	78	Y	N	Y	Y	N	N
1:00 PM	1502	78	Y	N	Y	Y	N	N
2:00 PM	1357	93	Y	N	Y	Y	Y	N
3:00 PM	1325	157	Y	Y	Y	Y	Y	Y
4:00 PM	1417	176	Y	Y	Y	Y	Y	Y
5:00 PM	1590	216	Y	Y	Y	Y	Y	Y
6:00 PM	1589	202	Y	Y	Y	Y	Y	Y
7:00 PM	1372	90	Y	N	Y	Y	Y	N
8:00 PM	1127	59	Y	N	Y	N	N	N
9:00 PM	989	35	Y	N	Y	N	N	N
10:00 PM	789	33	Y	N	N	N	N	N
11:00 PM	584	22	N	N	N	N	N	N
12:00 AM	351	15	N	N	N	N	N	N
Total	23160	1545						
		No. of hours met	4		8		6	4
		Hours Required	8		8		4	1
		Warrant Met?	NO		YES		YES	YES

7/28/2007