

City of Shoreline

Public Works - Traffic Service

17544 Midvale Ave N

Location : Aurora Ave N

Cross-St : N 170 st

Direction : n/o

Site:

Date: 05/04/06

Direction: NB

Begin Time	Total	1-23 MPH	24-25 MPH	26-27 MPH	28-29 MPH	30-31 MPH	32-33 MPH	34-35 MPH	36-37 MPH	38-39 MPH	40-41 MPH	42-43 MPH	44-45 MPH	46-99 MPH	Avg
12:AM	141	1	1	5	10	6	23	28	17	19	12	10	6	3	36
01:00	109	3	2	0	4	6	14	28	11	14	18	3	3	3	36
02:00	84	1	1	4	3	5	12	10	9	11	11	8	7	2	37
03:00	63	3	1	1	5	2	4	10	11	11	7	1	3	4	37
04:00	49	0	2	1	2	2	5	3	8	9	10	5	0	2	38
05:00	103	0	0	0	4	4	4	12	12	22	11	14	16	4	40
06:00	255	2	3	3	4	4	14	21	28	35	59	36	19	27	42
07:00	394	15	6	5	6	15	25	37	54	51	83	34	28	35	40
08:00	470	13	1	5	12	19	50	77	68	75	70	35	24	21	38
09:00	561	19	12	7	18	29	34	98	105	116	54	26	23	20	37
10:00	634	27	13	10	26	55	87	126	106	86	51	27	5	15	35
11:00	724	24	17	20	51	69	137	145	89	73	53	18	7	21	35
12:PM	727	50	38	34	44	63	107	115	93	80	55	20	8	20	34
01:00	833	31	15	29	55	76	135	152	135	89	70	21	8	17	34
02:00	766	38	40	34	58	92	119	133	76	67	59	17	7	26	34
03:00	888	71	41	48	102	133	140	132	88	63	26	7	6	31	32
04:00	1,026	39	23	52	90	133	225	163	102	99	41	27	8	24	34
05:00	840	70	27	36	69	76	112	149	98	69	60	22	11	41	34
06:00	868	30	13	22	45	64	131	165	159	105	65	23	16	30	35
07:00	766	24	19	11	31	48	88	141	119	109	87	49	17	23	36
08:00	713	14	17	15	40	39	87	119	117	106	86	29	20	24	36
09:00	573	1	10	6	18	37	63	113	99	90	73	23	19	21	37
10:00	329	6	8	6	13	18	42	50	65	40	39	21	9	12	37
11:00	293	8	3	4	8	22	28	39	66	42	37	18	9	9	37
Daily Totals	12,209	490	313	358	718	1,017	1,686	2,066	1,735	1,481	1,137	494	279	435	35
Percent of Total		4.0	2.6	2.9	5.9	8.3	13.8	16.9	14.2	12.1	9.3	4.0	2.3	3.6	

Percentile Speeds	10%	15%	50%	85%	90%
	28.2	29.9	35.5	40.9	42.0

10 MPH Pace Speed : 32 - 42
Number in pace : 8,105
% in pace : **66.4**

Speed Exceeded : **20 MPH** **30 MPH** **40 MPH**
Percentage : 96.0 84.6 19.2
Totals : 11,719 10,330 2,345

City of Shoreline

Public Works - Traffic Service

17544 Midvale Ave N

Location : Aurora Ave N

Cross-St : N 170 st

Site:

Date: 05/05/06

Direction : n/o

Direction: NB

Begin Time	Total	1-23 MPH	24-25 MPH	26-27 MPH	28-29 MPH	30-31 MPH	32-33 MPH	34-35 MPH	36-37 MPH	38-39 MPH	40-41 MPH	42-43 MPH	44-45 MPH	46-99 MPH	Avg
12:AM	143	3	2	5	4	6	10	29	21	18	21	14	4	6	37
01:00	127	1	3	2	6	6	12	22	19	19	20	10	2	5	37
02:00	112	2	2	1	5	8	8	14	25	11	16	7	4	9	39
03:00	84	0	3	1	6	6	9	11	9	10	10	10	2	7	39
04:00	53	2	0	2	3	1	3	6	6	9	11	4	4	2	38
05:00	98	2	0	1	0	3	5	7	11	17	19	14	9	10	42
06:00	259	1	8	0	3	6	14	22	29	50	49	34	28	15	40
07:00	400	12	13	8	8	11	18	36	77	75	71	33	17	21	38
08:00	484	13	8	7	10	16	46	62	85	82	72	41	23	19	38
09:00	634	13	3	12	16	41	64	130	107	118	69	37	11	13	36
10:00	693	29	8	17	30	55	102	115	115	124	51	21	7	19	35
11:00	677	39	16	35	65	84	111	114	84	57	38	12	4	18	33
12:PM	839	40	20	24	62	101	166	153	120	68	36	18	5	26	34
01:00	796	57	18	32	56	78	122	129	113	82	56	22	10	21	34
02:00	857	54	52	47	63	84	119	150	121	69	42	17	12	27	33
03:00	879	52	30	40	70	96	157	130	113	85	50	20	9	27	34
04:00	914	42	30	51	78	109	151	146	120	74	44	23	15	31	34
05:00	863	98	48	56	89	90	100	133	83	56	50	14	4	42	32
06:00	901	30	10	29	39	70	146	162	133	139	71	33	15	24	35
07:00	763	38	32	30	51	64	115	141	87	88	69	22	6	20	34
08:00	693	15	8	14	36	58	104	139	130	105	52	14	10	8	35
09:00	574	16	6	15	37	58	90	99	88	80	49	17	9	10	35
10:00	496	10	4	10	23	34	80	80	84	63	57	24	10	17	36
11:00	385	7	2	7	23	17	54	86	49	66	35	15	12	12	36
Daily Totals	12,724	576	326	446	783	1,102	1,806	2,116	1,829	1,565	1,058	476	232	409	35
Percent of Total		4.5	2.6	3.5	6.2	8.7	14.2	16.6	14.4	12.3	8.3	3.7	1.8	3.2	

Percentile Speeds	10%	15%	50%	85%	90%
	27.7	29.4	35.3	40.5	41.7

10 MPH Pace Speed : 30 - 40
Number in pace : 8,418
% in pace : **66.2**

Speed Exceeded : **20 MPH** **30 MPH** **40 MPH**
Percentage : 95.5 83.3 17.1
Totals : 12,148 10,593 2,175

City of Shoreline
Public Works - Traffic Service
17544 Midvale Ave N

Location : Aurora Ave N

Cross-St : N 170 st

Site:

Date: 05/06/06

Direction : n/o

Direction: NB

Begin Time	Total	1-23 MPH	24-25 MPH	26-27 MPH	28-29 MPH	30-31 MPH	32-33 MPH	34-35 MPH	36-37 MPH	38-39 MPH	40-41 MPH	42-43 MPH	44-45 MPH	46-99 MPH	Avg
12:AM	283	5	7	6	14	32	37	51	57	23	30	10	6	5	35
01:00	229	2	6	13	15	26	25	38	26	35	22	8	3	10	36
02:00	177	1	0	9	12	7	29	21	23	26	21	11	12	5	37
03:00	119	2	3	6	7	5	14	9	10	24	19	5	7	8	38
04:00	64	2	1	0	4	6	15	7	9	7	5	3	0	5	37
05:00	78	1	1	1	3	5	7	8	14	14	6	5	7	6	39
06:00	153	1	0	2	4	3	6	16	24	27	21	17	14	18	42
07:00	331	4	1	0	8	6	28	40	47	57	65	20	32	23	40
08:00	469	6	3	1	9	19	40	70	66	94	81	37	20	23	39
09:00	641	12	4	6	11	37	64	108	105	116	82	44	23	29	38
10:00	836	22	13	13	47	58	138	167	140	116	70	20	12	20	35
11:00	887	22	14	34	62	93	167	170	114	93	71	17	10	20	35
12:PM	933	41	22	38	86	112	150	166	140	88	50	18	4	18	34
01:00	833	81	37	43	77	100	147	134	83	66	21	8	8	28	32
02:00	930	77	21	20	84	100	178	173	109	78	46	16	9	19	33
03:00	920	68	35	56	113	146	153	134	77	56	29	13	2	38	33
04:00	904	51	32	38	73	107	150	160	113	90	42	14	9	25	33
05:00	849	52	30	35	98	93	110	128	108	81	50	14	10	40	34
06:00	770	18	7	13	26	51	103	149	143	110	73	34	16	27	36
07:00	639	19	8	8	26	38	87	120	118	78	69	27	21	20	36
08:00	572	10	9	7	11	28	81	93	98	96	73	27	11	28	37
09:00	531	9	11	18	21	30	78	117	76	66	63	26	6	10	36
10:00	400	7	4	9	19	21	51	71	89	59	42	14	5	9	36
11:00	297	8	7	9	15	21	38	51	39	34	33	17	8	17	37
Daily Totals	12,845	521	276	385	845	1,144	1,896	2,201	1,828	1,534	1,084	425	255	451	35
Percent of Total		4.1	2.1	3.0	6.6	8.9	14.8	17.1	14.2	11.9	8.4	3.3	2.0	3.5	

Percentile Speeds	10%	15%	50%	85%	90%
	28.2	29.8	35.2	40.5	41.7

10 MPH Pace Speed : 30 - 40
Number in pace : 8,603
% in pace : **67.0**

Speed Exceeded : **20 MPH** **30 MPH** **40 MPH**
Percentage : 95.9 84.2 17.2
Totals : 12,324 10,818 2,215

City of Shoreline

Public Works - Traffic Service

17544 Midvale Ave N

Location : Aurora Ave N

Cross-St : N 170 st

Direction : n/o

Site:

Date: 05/07/06

Direction: NB

Begin Time	Total	1-23 MPH	24-25 MPH	26-27 MPH	28-29 MPH	30-31 MPH	32-33 MPH	34-35 MPH	36-37 MPH	38-39 MPH	40-41 MPH	42-43 MPH	44-45 MPH	46-99 MPH	Avg
12:AM	219	5	2	2	10	19	23	40	33	29	26	14	4	12	37
01:00	210	5	3	8	16	21	36	30	24	25	16	14	4	8	36
02:00	160	1	2	2	11	18	19	23	17	21	16	13	5	12	38
03:00	105	2	2	3	7	10	12	11	11	17	12	10	5	3	37
04:00	58	0	0	2	2	4	9	6	7	7	12	4	3	2	38
05:00	47	0	0	0	2	2	4	2	7	7	9	8	4	2	40
06:00	101	2	0	2	3	3	7	3	11	11	24	10	11	14	43
07:00	149	2	1	3	6	7	4	17	16	37	22	12	10	12	40
08:00	260	1	4	1	3	6	14	25	38	50	45	24	25	24	41
09:00	385	6	8	2	8	3	22	46	59	58	66	44	32	31	40
10:00	583	15	5	7	13	27	61	72	101	115	69	42	23	33	38
11:00	688	11	10	10	20	30	75	119	116	118	95	36	22	26	37
12:PM	848	4	6	11	25	75	142	174	132	133	74	33	16	23	36
01:00	887	18	7	13	52	81	167	167	144	112	59	27	15	25	35
02:00	897	36	30	34	50	96	136	164	132	96	62	22	7	32	35
03:00	835	43	23	23	57	74	137	159	116	114	48	18	5	18	34
04:00	790	22	17	16	43	65	109	150	114	115	76	27	15	21	35
05:00	749	16	6	12	33	55	97	114	119	128	82	44	18	25	37
06:00	696	13	4	15	16	34	77	123	111	126	87	38	28	24	37
07:00	534	8	7	7	18	34	49	82	98	73	77	41	25	15	37
08:00	516	4	1	5	20	35	76	97	85	92	54	26	13	8	36
09:00	349	2	4	7	12	20	49	54	58	65	38	24	8	8	37
10:00	263	3	4	2	6	17	25	40	44	43	35	23	10	11	38
11:00	204	5	4	5	14	11	23	29	33	29	32	10	5	4	36
Daily Totals	10,533	224	150	192	447	747	1,373	1,747	1,626	1,621	1,136	564	313	393	37
Percent of Total		2.1	1.4	1.8	4.2	7.1	13.0	16.6	15.4	15.4	10.8	5.4	3.0	3.7	

Percentile Speeds	10%	15%	50%	85%	90%
	30.1	31.5	36.5	41.5	42.8

10 MPH Pace Speed : 32 - 42
Number in pace : 7,503
% in pace : 71.2

Speed Exceeded : 20 MPH 30 MPH 40 MPH
Percentage : 97.9 90.4 22.8
Totals : 10,309 9,520 2,406

City of Shoreline

Public Works - Traffic Service

17544 Midvale Ave N

Location : Aurora Ave N

Cross-St : N 170 st

Site:

Date: 05/08/06

Direction : n/o

Direction: NB

Begin Time	Total	1-23 MPH	24-25 MPH	26-27 MPH	28-29 MPH	30-31 MPH	32-33 MPH	34-35 MPH	36-37 MPH	38-39 MPH	40-41 MPH	42-43 MPH	44-45 MPH	46-99 MPH	Avg
12:AM	118	1	0	0	3	12	19	20	8	18	17	9	5	6	38
01:00	77	4	1	3	3	4	4	16	9	15	10	6	1	1	35
02:00	64	1	1	3	7	8	4	8	4	8	9	4	2	5	38
03:00	57	1	0	2	6	6	9	3	9	5	7	4	4	1	36
04:00	60	1	0	0	0	0	1	18	7	11	4	5	5	8	42
05:00	79	0	1	1	0	4	4	7	11	10	16	10	5	10	42
06:00	223	4	0	0	3	1	8	26	27	45	41	30	18	20	41
07:00	409	11	9	5	9	9	33	42	61	70	67	39	30	24	39
08:00	507	17	4	4	9	19	33	51	82	94	90	45	27	32	39
09:00	620	13	5	3	21	39	72	89	120	113	79	36	19	11	37
10:00	724	33	14	20	30	42	97	130	109	99	76	31	22	21	36
11:00	725	42	26	22	33	58	95	128	103	90	66	32	10	20	35
12:PM	792	50	22	26	39	43	96	153	130	101	71	22	17	22	35
01:00	846	47	33	40	65	70	129	146	112	90	57	26	12	19	34
02:00	872	50	32	37	55	92	160	155	126	82	49	14	7	13	33
03:00	852	61	39	33	76	90	143	139	99	76	42	16	6	32	33
04:00	975	66	52	47	91	111	159	153	118	73	45	15	9	36	33
05:00	866	75	39	60	81	89	135	122	77	60	53	14	14	47	33
06:00	937	23	23	32	40	67	146	185	128	118	88	37	13	37	36
07:00	778	21	8	9	21	46	78	130	123	141	105	54	14	28	37
08:00	649	10	7	9	18	32	69	95	92	129	102	53	20	13	37
09:00	487	7	8	11	25	29	43	66	94	81	72	23	15	13	37
10:00	328	4	0	13	8	11	39	48	58	52	52	17	19	7	37
11:00	224	4	0	1	8	12	11	29	35	56	34	19	9	6	38
Daily Totals	12,269	546	324	381	651	894	1,587	1,959	1,742	1,637	1,252	561	303	432	35
Percent of Total		4.5	2.6	3.1	5.3	7.3	12.9	16.0	14.2	13.3	10.2	4.6	2.5	3.5	

Percentile Speeds	10%	15%	50%	85%	90%
	27.9	29.8	35.8	41.1	42.2

10 MPH Pace Speed : 32 - 42
Number in pace : 8,177
% in pace : **66.6**

Speed Exceeded : **20 MPH** **30 MPH** **40 MPH**
Percentage : 95.5 84.5 20.8
Totals : 11,723 10,367 2,548

City of Shoreline
Public Works - Traffic Service
17544 Midvale Ave N

Location : Aurora Ave N

Cross-St : N 170 st

Site:

Date: 05/09/06

Direction : n/o

Direction: NB

Begin Time	Total	1-23 MPH	24-25 MPH	26-27 MPH	28-29 MPH	30-31 MPH	32-33 MPH	34-35 MPH	36-37 MPH	38-39 MPH	40-41 MPH	42-43 MPH	44-45 MPH	46-99 MPH	Avg
12:AM	142	2	2	1	7	13	14	20	18	18	22	13	6	6	38
01:00	91	4	1	1	2	8	13	11	14	17	10	4	4	2	36
02:00	85	1	1	5	11	3	7	9	9	11	8	6	10	4	37
03:00	57	2	3	0	4	5	8	6	5	11	6	3	1	3	36
04:00	58	2	0	0	3	5	2	6	14	11	3	5	3	4	38
05:00	96	1	0	2	2	3	8	9	8	12	18	9	12	12	42
06:00	221	4	0	1	2	3	7	12	21	40	59	26	22	24	42
07:00	412	12	8	10	7	13	20	38	55	62	77	49	26	35	40
08:00	493	7	5	7	11	12	41	65	85	84	83	40	28	25	39
09:00	590	14	5	21	28	22	45	85	94	102	95	29	28	22	37
10:00	695	16	9	13	24	42	96	101	124	123	75	25	18	29	37
11:00	723	17	19	12	33	44	89	116	126	115	86	35	13	18	36
12:PM	799	31	23	31	54	61	108	125	115	111	66	36	19	19	35
01:00	828	37	24	24	39	64	118	174	126	97	68	23	10	24	35
02:00	847	50	37	37	45	60	126	132	136	103	59	24	11	27	34
03:00	902	47	48	47	56	78	152	163	121	85	46	20	14	25	34
04:00	1,004	44	44	42	109	123	157	188	128	75	43	15	7	29	33
05:00	898	49	45	61	74	90	147	127	110	91	46	14	7	37	34
06:00	977	27	26	40	56	74	145	176	177	124	62	28	13	29	35
07:00	774	31	10	16	44	46	119	137	124	113	71	35	13	15	35
08:00	635	18	10	21	24	62	108	134	83	94	50	12	11	8	35
09:00	496	12	14	10	40	47	71	94	69	65	36	16	12	10	35
10:00	389	6	2	3	20	41	88	71	56	48	33	7	8	6	35
11:00	200	3	3	14	10	19	31	34	33	26	12	6	5	4	35
Daily Totals	12,412	437	339	419	705	938	1,720	2,033	1,851	1,638	1,134	480	301	417	35
Percent of Total		3.5	2.7	3.4	5.7	7.6	13.9	16.4	14.9	13.2	9.1	3.9	2.4	3.4	

Percentile Speeds	10%	15%	50%	85%	90%
	28.1	29.9	35.6	40.8	41.9

10 MPH Pace Speed : 32 - 42
Number in pace : 8,376
% in pace : **67.5**

Speed Exceeded : **20 MPH** **30 MPH** **40 MPH**
Percentage : 96.5 84.7 18.8
Totals : 11,975 10,512 2,332

City of Shoreline

Public Works - Traffic Service

17544 Midvale Ave N

Location : Aurora Ave N

Cross-St : N 170 st

Site:

Date: 05/10/06

Direction : n/o

Direction: NB

Begin Time	Total	1-23 MPH	24-25 MPH	26-27 MPH	28-29 MPH	30-31 MPH	32-33 MPH	34-35 MPH	36-37 MPH	38-39 MPH	40-41 MPH	42-43 MPH	44-45 MPH	46-99 MPH	Avg
12:AM	146	4	5	6	10	17	19	25	22	9	14	6	4	5	35
01:00	96	2	3	4	7	7	15	17	11	12	9	4	4	1	35
02:00	75	1	2	9	5	6	14	13	7	5	5	7	0	1	34
03:00	56	4	0	4	5	10	6	10	5	6	3	2	1	0	32
04:00	57	1	1	1	7	5	8	8	9	5	5	4	1	2	36
05:00	102	0	0	1	3	2	9	12	14	19	17	14	4	7	40
06:00	228	4	1	2	2	4	18	21	38	43	62	17	7	9	39
07:00	383	10	5	12	10	21	29	53	68	70	54	24	13	14	37
08:00	477	9	8	5	9	18	59	76	75	85	68	31	14	20	38
09:00	539	28	11	17	32	44	77	91	91	66	36	22	15	9	34
10:00	712	20	11	13	41	70	107	126	109	94	59	31	14	17	35
11:00	747	29	18	23	35	70	111	138	106	92	63	23	12	27	35
12:PM	708	31	33	37	76	75	116	105	101	52	43	13	6	20	33
01:00	831	28	12	29	50	87	149	142	125	109	48	32	7	13	34
02:00	783	48	32	41	59	63	105	145	96	93	49	15	12	25	34
03:00	815	55	46	41	61	75	146	132	86	93	42	12	11	15	33
04:00	860	85	48	59	74	99	117	127	100	56	33	17	8	37	33
05:00	897	58	43	54	72	84	103	135	114	91	62	27	11	43	34
06:00	978	26	20	32	54	74	145	191	167	115	72	24	13	45	36
07:00	732	24	21	24	39	48	92	111	115	102	91	22	10	33	36
08:00	604	20	8	12	23	38	66	108	105	106	54	29	14	21	36
09:00	502	9	8	6	27	38	67	88	98	70	50	18	7	16	36
10:00	327	2	3	6	19	23	35	57	48	56	39	20	10	9	37
11:00	241	4	3	7	4	10	13	43	49	48	31	12	11	6	37
Daily Totals	11,896	502	342	445	724	988	1,626	1,974	1,759	1,497	1,009	426	209	395	35
Percent of Total		4.2	2.9	3.7	6.1	8.3	13.7	16.6	14.8	12.6	8.5	3.6	1.8	3.3	

Percentile Speeds	10%	15%	50%	85%	90%
	27.6	29.4	35.3	40.5	41.7

10 MPH Pace Speed : 32 - 42
Number in pace : 7,865
% in pace : **66.1**

Speed Exceeded : **20 MPH** **30 MPH** **40 MPH**
Percentage : 95.8 83.1 17.1
Totals : 11,394 9,883 2,039

City of Shoreline

Public Works - Traffic Service

17544 Midvale Ave N

Location : Aurora Ave N

Cross-St : N 170 st

Site:

Date: 05/11/06

Direction : n/o

Direction: NB

Begin Time	Total	1-23 MPH	24-25 MPH	26-27 MPH	28-29 MPH	30-31 MPH	32-33 MPH	34-35 MPH	36-37 MPH	38-39 MPH	40-41 MPH	42-43 MPH	44-45 MPH	46-99 MPH	Avg
12:AM	158	2	3	5	9	8	21	28	22	16	22	8	8	6	37
01:00	96	3	3	2	3	12	15	12	20	9	7	4	2	4	36
02:00	72	1	2	1	6	4	11	8	8	10	11	5	3	2	36
03:00	60	2	0	3	3	6	4	4	11	11	6	4	1	5	38
04:00	59	0	0	2	1	4	5	11	5	6	14	5	4	2	38
05:00	108	2	0	2	2	3	9	12	15	18	15	11	11	8	40
06:00	221	2	1	2	3	3	10	25	30	38	43	23	15	26	42
07:00	395	8	13	8	10	8	18	31	56	76	62	42	35	28	40
08:00	415	2	6	4	4	19	35	54	49	82	69	46	23	22	39
09:00	570	21	16	13	21	37	89	110	79	64	64	28	9	19	36
10:00	715	20	22	21	48	75	124	122	113	77	53	12	9	19	35
11:00	679	18	12	16	45	72	106	133	108	80	49	17	11	12	35
12:PM	758	28	15	24	45	74	128	123	120	87	67	22	11	14	35
01:00	799	34	16	21	44	78	115	155	119	98	65	29	10	15	35
02:00	852	44	27	34	52	96	160	131	111	104	44	20	7	22	34
03:00	828	36	33	53	80	93	135	130	98	73	36	17	11	33	34
04:00	861	183	34	43	89	79	127	121	81	43	28	10	2	21	29
05:00	875	98	52	71	72	105	121	117	71	61	33	14	12	48	33
06:00	896	24	19	29	45	74	129	174	127	119	76	27	15	38	36
07:00	676	14	24	19	31	36	62	100	109	116	79	39	23	24	37
08:00	678	7	11	19	35	45	94	124	118	98	72	22	17	16	36
09:00	526	12	6	10	20	26	85	97	90	61	64	26	11	18	36
10:00	352	2	6	5	10	21	41	67	72	59	37	16	9	7	37
11:00	252	2	0	1	6	16	28	51	34	40	41	11	12	10	38
Daily Totals	11,901	565	321	408	684	994	1,672	1,940	1,666	1,446	1,057	458	271	419	35
Percent of Total		4.7	2.7	3.4	5.7	8.4	14.0	16.3	14.0	12.2	8.9	3.8	2.3	3.5	

Percentile Speeds	10%	15%	50%	85%	90%
	27.5	29.4	35.3	40.8	41.9

10 MPH Pace Speed : 32 - 42
Number in pace : 7,781
% in pace : **65.4**

Speed Exceeded : **20 MPH** **30 MPH** **40 MPH**
Percentage : 95.3 83.4 18.5
Totals : 11,336 9,923 2,205