

# NE 102ND AVENUE SAFETY PROJECT



## NE 102nd Avenue Safety Project Pilot Evaluation Appendix

January 2020

### APPENDIX DATA

The NE 102nd Avenue Safety Project Pilot Evaluation Report covers a variety of measures that PBOT used to assess safety and operations on and near NE 102nd Avenue. These include speed and volume on NE 102nd Avenue and on neighborhood streets, transit travel time, vehicle travel time, crashes, active transportation improvements, and a public survey.

The report covers highlights and key findings from the data. This appendix includes the data sets that were used for the report.

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### Looking for the full NE 102nd Avenue Evaluation Report?

Visit the project website to find the report and learn more about the project.

<https://www.portlandoregon.gov/transportation/NE102nd>



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## NE 102ND AVENUE SPEED AND VOLUME

\*ADT - Average Daily Traffic

Speed (mph)		Before				After				Percent Change			MPH Change		
Location	Direction	Dates	50% speeds	85% speeds	Percent 10 mph+	Dates	50% speeds	85% speeds	Percent 10 mph+	50% speeds	85% speeds	Percent 10 mph+	50% speeds	85% speeds	Percent 10 mph+
102nd north of Shaver	North	11/15/17	37	42	5.2%	10/30/19	33	37	0.5%	-10.8%	-11.9%	-90.4%	-4	-5	-4.7%
	South	-	37	42	5.6%	-	34	38	1.1%	-8.1%	-9.5%	-80.4%	-3	-4	-4.5%
	Average	11/17/17	37	42	5.4%	10/31/19	33.5	37.5	0.8%	-9.5%	-10.7%	-85.2%	-3.5	-4.5	-4.6%
102nd south of Sacramento	North	11/16/17	36	41	4.6%	10/30/19	35	40	2.2%	-2.8%	-2.4%	-52.2%	-1	-1	-2.4%
	South	-	36	40	2.2%	-	34	39	1.0%	-5.6%	-2.5%	-54.5%	-2	-1	-1.2%
	Average	11/17/17	36	40.5	3.4%	10/31/19	34.5	39.5	1.6%	-4.2%	-2.5%	-52.9%	-1.5	-1	-1.8%
102nd north of Wygant	North	None				10/29/19	30	34	2.1%						
	South					-	32	36	3.7%						
	Average					10/30/19	31	35	2.9%						

Volume		Before				After				Percent Change			Volume Change		
Location	Direction	Dates	ADT*	AM Peak	PM Peak	Dates	ADT*	AM Peak	PM Peak	ADT*	AM Peak	PM Peak	ADT*	AM Peak	PM Peak
102nd north of Shaver	North	11/15/17	9,847	709	886	10/30/19	9,623	616	920	-2.3%	-13.1%	3.8%	-224	-93	34
	South	-	9,234	520	955	-	8,904	523	863	-3.6%	0.6%	-9.6%	-330	3	-92
	Average	11/17/17	19,081	1,229	1,841	10/31/19	18,527	1,139	1,783	-2.9%	-7.3%	-3.2%	-554	-90	-58
102nd south of Sacramento	North	11/16/17	9,871	546	972	10/30/19	9,370	530	955	-5.1%	-2.9%	-1.7%	-501	-16	-17
	South	-	10,107	676	905	-	9,420	731	824	-6.8%	8.1%	-9.0%	-687	55	-81
	Average	11/17/17	19,978	1,222	1,877	10/31/19	18,790	1,261	1,779	-5.9%	3.2%	-5.2%	-1188	39	-98
102nd north of Wygant	North	None				10/29/19	5,683	354	457						
	South					-	5,066	311	444						
	Average					10/30/19	10,749	665	901						

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## TRANSIT TRAVEL TIME AND RELIABILITY

### Time periods analyzed:

- **All** - runtimes for the entire day. Starts about 5:30 or 6:00 am. Ends about 6:00 pm for line 87 and 9:30 pm for line 22
- **Off Peak** - all runtimes not included in the AM or PM peaks
- **AM Peak** - 6:00 to 9:00 am
- **PM Peak 1** - 4:00 to 6:00 pm
- **PM Peak 2** - 3:00 to 7:00 pm

### Data compared

- **MTT** - Median Travel Time
- **TPD** - Transit Peak Delay
- **Var** - Variability

### Segment analysis:

Line 87 northbound

NE Weidler Street - NE Morris Street\* - NE Fremont Street - NE Prescott Street - NE Killingsworth Street (and 105th Avenue)

Line 87 southbound

NE Sandy Boulevard (and 104th Avenue) - NE Prescott Street - NE Fremont Street - NE Morris Street - NE Clackamas Street

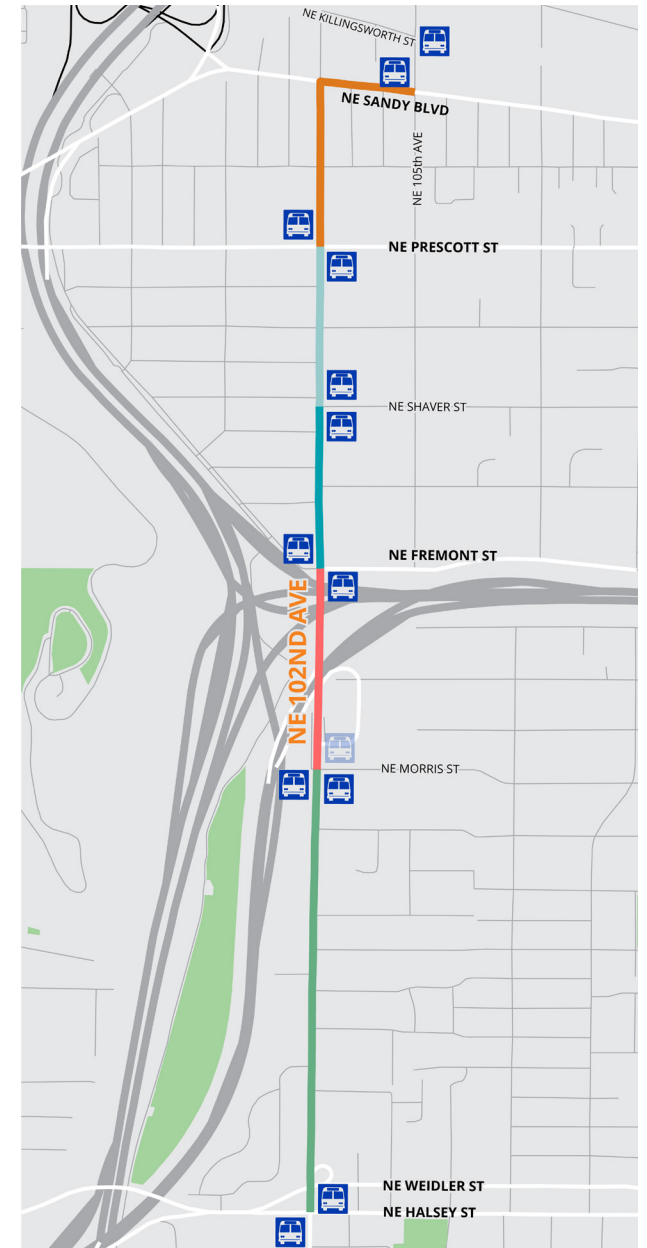
Line 22 northbound

NE Weidler Street - NE Morris Street\* - NE Fremont Street - NE Shaver Street

Line 22 southbound

NE Shaver Street - NE Fremont Street - NE Morris Street - NE Clackamas Street

*\*The northbound NE Morris Street station was about 250 feet farther north, at NE Morris Court, in October 2018 when before data is collected.*



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## TRANSIT TRAVEL TIME AND RELIABILITY - NORTHBOUND

Line 87: Weidler to Killingsworth	October 2018				October 2019				Amount Change			Percentage Change		
	Period	Number of Trips	MTT (m:ss)	TPD (m:ss)	Var (%)	Number of Trips	MTT (m:ss)	TPD (m:ss)	Var (%)	MTT (m:ss)	TPD (m:ss)	Var (%)	MTT	TPD
All	23	6:32	2:20	42%	23	6:45	2:14	38%	0:12	-0:05	-4%	3%	-4%	-10%
Off Peak	13	6:25	2:17	42%	13	6:42	2:21	41%	0:17	0:04	-1%	4%	3%	-3%
AM peak	5	6:22	1:58	36%	5	6:19	1:46	30%	-0:03	-0:12	-6%	-1%	-11%	-16%
PM Peak 1	4	7:03	2:51	51%	4	7:19	2:15	37%	0:16	-0:35	-13%	4%	-21%	-26%
PM Peak 2	5	7:02	2:48	50%	5	7:18	2:24	40%	0:16	-0:24	-10%	4%	-14%	-20%

Line 22: Weidler to Shaver	October 2018				October 2019				Amount Change			Percentage Change		
	Period	Number of Trips	MTT (m:ss)	TPD (m:ss)	Var (%)	Number of Trips	MTT (m:ss)	TPD (m:ss)	Var (%)	MTT (m:ss)	TPD (m:ss)	Var (%)	MTT	TPD
All	27	3:52	1:23	43%	31	3:55	1:29	45%	0:03	0:05	2%	1%	6%	5%
Off Peak	16	3:44	1:18	42%	17	3:46	1:28	48%	0:01	0:09	6%	1%	13%	14%
AM peak	5	3:23	1:03	36%	6	3:42	1:04	32%	0:18	0:00	-4%	9%	1%	-10%
PM Peak 1	4	4:49	1:58	50%	4	4:41	2:13	58%	-0:08	0:15	7%	-3%	13%	14%
PM Peak 2	6	4:34	1:53	51%	8	4:23	1:48	49%	-0:11	-0:04	-1%	-4%	-4%	-3%

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## TRANSIT TRAVEL TIME AND RELIABILITY - SOUTHBOUND

Line 87: Sandy to Clackamas	October 2018				October 2019				Amount Change			Percentage Change		
	Period	Number of Trips	MTT (m:ss)	TPD (m:ss)	Var (%)	Number of Trips	MTT (m:ss)	TPD (m:ss)	Var (%)	MTT (m:ss)	TPD (m:ss)	Var (%)	MTT	TPD
All	23	7:02	2:55	50%	23	6:41	2:21	41%	-0:20	-0:33	-9%	-5%	-19%	-18%
Off Peak	12	7:19	3:04	51%	12	6:44	2:14	39%	-0:35	-0:49	-12%	-8%	-27%	-24%
AM peak	5	6:27	2:23	43%	5	6:36	2:13	39%	0:09	-0:09	-4%	2%	-7%	-9%
PM Peak 1	3	6:58	3:09	56%	3	6:39	2:43	48%	-0:19	-0:26	-8%	-5%	-14%	-14%
PM Peak 2	6	6:56	3:02	54%	6	6:40	2:41	48%	-0:16	-0:20	-7%	-4%	-11%	-12%

Line 22: Weidler to Shaver	October 2018				October 2019				Amount Change			Percentage Change		
	Period	Number of Trips	MTT (m:ss)	TPD (m:ss)	Var (%)	Number of Trips	MTT (m:ss)	TPD (m:ss)	Var (%)	MTT (m:ss)	TPD (m:ss)	Var (%)	MTT	TPD
All	27	3:58	1:46	54%	31	3:55	1:38	51%	-0:03	-0:07	-3%	-1%	-7%	-6%
Off Peak	15	3:51	1:47	57%	18	3:52	1:37	51%	0:00	-0:09	-6%	0%	-9%	-10%
AM peak	5	4:24	2:13	62%	5	4:06	1:43	51%	-0:18	-0:29	-11%	-7%	-22%	-18%
PM Peak 1	4	3:56	1:33	46%	4	3:54	1:42	53%	-0:02	0:09	7%	-1%	10%	15%
PM Peak 2	7	3:55	1:26	43%	8	3:55	1:38	52%	-0:00	0:11	9%	0%	14%	20%

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## TRANSIT TRAVEL TIME AND RELIABILITY - NORTHBOUND

Weidler to Morris		October 2018				October 2019				Amount Change			Percentage Change		
Line	Period	Number of Trips	MTT (m:ss)	TPD (m:ss)	Var (%)	Number of Trips	MTT (m:ss)	TPD (m:ss)	Var (%)	MTT (m:ss)	TPD (m:ss)	Var (%)	MTT	TPD	Var
87	All	23	1:36	0:38	47%	23	1:24	0:36	50%	-0:11	-0:01	2%	-12%	-4%	5%
	Off Peak	13	1:34	0:34	44%	13	1:22	0:35	49%	-0:11	0:00	4%	-12%	1%	10%
	AM peak	5	1:44	0:39	45%	5	1:26	0:35	47%	-0:18	-0:04	1%	-17%	-10%	3%
	PM Peak 1	4	1:32	0:42	53%	4	1:29	0:44	59%	-0:02	0:02	6%	-3%	6%	12%
	PM Peak 2	5	1:33	0:46	58%	5	1:29	0:42	55%	-0:04	-0:03	-2%	-5%	-8%	-4%
22	All	27	1:41	0:51	66%	31	1:29	0:44	61%	-0:12	-0:07	-5%	-12%	-14%	-7%
	Off Peak	16	1:38	0:48	61%	17	1:25	0:43	61%	-0:13	-0:04	-1%	-13%	-10%	-1%
	AM peak	5	1:36	0:41	55%	6	1:31	0:39	52%	-0:04	-0:02	-4%	-5%	-6%	-6%
	PM Peak 1	4	1:57	1:11	82%	4	1:44	1:03	85%	-0:12	-0:07	3%	-10%	-11%	4%
	PM Peak 2	6	1:53	1:10	83%	8	1:35	0:50	68%	-0:17	-0:19	-15%	-16%	-28%	-18%
<b>Morris to Fremont</b>															
87	All	23	0:37	0:30	106%	23	0:45	0:31	85%	0:07	0:01	-21%	20%	3%	-20%
	Off Peak	11	0:35	0:27	101%	12	0:42	0:24	65%	0:06	-0:03	-36%	19%	-14%	-35%
	AM peak	6	0:33	0:23	84%	5	0:42	0:27	74%	0:09	0:03	-11%	27%	17%	-13%
	PM Peak 1	4	0:49	0:44	142%	4	0:56	0:51	134%	0:07	0:07	-8%	14%	16%	-5%
	PM Peak 2	6	0:46	0:41	132%	6	0:54	0:49	132%	0:07	0:07	0%	17%	19%	0%
22	All	27	0:34	0:23	82%	31	0:44	0:26	71%	0:09	0:03	-11%	28%	14%	-14%
	Off Peak	16	0:34	0:22	80%	17	0:43	0:23	65%	0:08	0:01	-16%	26%	6%	-19%
	AM peak	5	0:30	0:22	84%	6	0:40	0:20	55%	0:10	-0:02	-29%	33%	-11%	-34%
	PM Peak 1	4	0:39	0:28	93%	4	0:48	0:45	113%	0:09	0:16	20%	23%	59%	21%
	PM Peak 2	6	0:38	0:26	86%	8	0:49	0:37	94%	0:10	0:10	8%	28%	41%	9%

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Line 87: Fremont to Prescott	October 2018				October 2019				Amount Change			Percentage Change		
	Period	Number of Trips	MTT (m:ss)	TPD (m:ss)	Var (%)	Number of Trips	MTT (m:ss)	TPD (m:ss)	Var (%)	MTT (m:ss)	TPD (m:ss)	Var (%)	MTT	TPD
All	23	1:08	0:28	49%	23	1:06	0:33	59%	-0:02	0:04	10%	-3%	17%	21%
Off Peak	11	1:06	0:29	50%	11	1:03	0:31	56%	-0:02	0:02	6%	-4%	8%	11%
AM peak	6	1:06	0:19	33%	6	1:04	0:24	43%	-0:01	0:04	9%	-3%	23%	28%
PM Peak 1	4	1:14	0:36	63%	4	1:15	0:36	61%	0:01	-0:00	-2%	2%	-1%	-3%
PM Peak 2	6	1:13	0:36	62%	6	1:12	0:46	80%	-0:00	0:10	18%	-1%	28%	29%

Line 22: Fremont to Shaver	October 2018				October 2019				Amount Change			Percentage Change		
	Period	Number of Trips	MTT (m:ss)	TPD (m:ss)	Var (%)	Number of Trips	MTT (m:ss)	TPD (m:ss)	Var (%)	MTT (m:ss)	TPD (m:ss)	Var (%)	MTT	TPD
All	27	1:16	0:35	54%	31	1:17	0:35	54%	0:01	0:00	0%	1%	2%	0%
Off Peak	16	1:12	0:32	51%	17	1:13	0:34	54%	0:01	0:02	3%	2%	7%	5%
AM peak	5	1:11	0:22	36%	6	1:12	0:18	28%	0:01	-0:03	-7%	1%	-17%	-21%
PM Peak 1	4	1:31	1:03	87%	4	1:30	1:02	87%	-0:01	-0:00	0%	-1%	-1%	0%
PM Peak 2	6	1:29	0:53	76%	8	1:27	0:51	73%	-0:01	-0:02	-2%	-2%	-4%	-3%

Line 87: Prescott to Killingsworth	October 2018				October 2019				Amount Change			Percentage Change		
	Period	Number of Trips	MTT (m:ss)	TPD (m:ss)	Var (%)	Number of Trips	MTT (m:ss)	TPD (m:ss)	Var (%)	MTT (m:ss)	TPD (m:ss)	Var (%)	MTT	TPD
All	23	2:39	1:47	92%	23	2:43	1:46	88%	0:03	-0:01	-4%	2%	-1%	-4%
Off Peak	11	2:36	1:53	97%	11	2:47	1:46	87%	0:10	-0:06	-10%	7%	-6%	-11%
AM peak	6	2:37	1:43	89%	6	2:35	1:48	88%	-0:01	0:05	-2%	-1%	5%	-2%
PM Peak 1	4	2:42	1:46	95%	4	2:39	1:45	89%	-0:02	-0:01	-6%	-2%	-1%	-6%
PM Peak 2	6	2:46	1:41	84%	6	2:42	1:43	89%	-0:04	0:01	5%	-2%	2%	6%

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## TRANSIT TRAVEL TIME AND RELIABILITY - SOUTHBOUND

Morris to Clackamas		October 2018				October 2019				Amount Change			Percentage Change		
Line	Period	Number of Trips	MTT (m:ss)	TPD (m:ss)	Var (%)	Number of Trips	MTT (m:ss)	TPD (m:ss)	Var (%)	MTT (m:ss)	TPD (m:ss)	Var (%)	MTT	TPD	Var
87	All	23	2:16	1:56	118%	23	2:07	1:12	79%	-0:09	-0:43	-40%	-7%	-38%	-33%
	Off Peak	12	2:21	2:09	127%	12	2:11	1:10	74%	-0:09	-0:59	-53%	-7%	-46%	-42%
	AM peak	5	2:13	2:01	129%	5	2:02	1:16	85%	-0:11	-0:44	-44%	-8%	-37%	-34%
	PM Peak 1	3	2:09	1:21	88%	3	1:57	1:26	100%	-0:12	0:04	13%	-10%	5%	15%
	PM Peak 2	6	2:11	1:27	92%	6	2:03	1:14	85%	-0:08	-0:12	-8%	-6%	-15%	-8%
22	All	27	2:15	1:26	87%	31	2:08	1:19	83%	-0:07	-0:07	-3%	-6%	-9%	-4%
	Off Peak	15	2:11	1:22	84%	18	2:07	1:18	84%	-0:04	-0:04	-1%	-3%	-6%	-1%
	AM peak	5	2:33	1:58	108%	5	2:09	1:25	86%	-0:24	-0:33	-22%	-16%	-28%	-20%
	PM Peak 1	4	2:11	1:11	70%	4	2:13	1:27	88%	0:02	0:15	18%	2%	22%	26%
	PM Peak 2	7	2:11	1:12	74%	8	2:09	1:18	80%	-0:02	0:05	6%	-2%	8%	8%
<b>Fremont to Morris</b>															
87	All	23	0:42	0:10	28%	23	0:42	0:09	24%	0:00	-0:01	-4%	1%	-12%	-15%
	Off Peak	12	0:43	0:11	29%	12	0:42	0:08	23%	-0:00	-0:02	-6%	-1%	-19%	-21%
	AM peak	5	0:43	0:10	27%	5	0:44	0:09	22%	0:00	-0:01	-5%	2%	-12%	-17%
	PM Peak 1	3	0:40	0:09	26%	3	0:42	0:10	29%	0:02	0:01	3%	6%	11%	10%
	PM Peak 2	6	0:40	0:09	27%	6	0:42	0:09	26%	0:02	0:00	0%	5%	2%	-1%
22	All	27	0:42	0:08	23%	31	0:44	0:09	24%	0:01	0:00	1%	4%	8%	5%
	Off Peak	15	0:42	0:08	22%	18	0:43	0:09	24%	0:01	0:01	2%	4%	14%	10%
	AM peak	5	0:43	0:09	23%	5	0:44	0:09	23%	0:01	0:00	0%	3%	0%	-2%
	PM Peak 1	4	0:43	0:09	23%	4	0:44	0:10	26%	0:00	0:01	4%	2%	14%	15%
	PM Peak 2	7	0:43	0:09	25%	8	0:44	0:10	26%	0:01	0:00	0%	3%	3%	1%



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<b>Line 87: Prescott to Fremont</b>	<b>October 2018</b>				<b>October 2019</b>				<b>Amount Change</b>			<b>Percentage Change</b>		
Period	Number of Trips	MTT (m:ss)	TPD (m:ss)	Var (%)	Number of Trips	MTT (m:ss)	TPD (m:ss)	Var (%)	MTT (m:ss)	TPD (m:ss)	Var (%)	MTT	TPD	Var
All	23	1:17	0:45	74%	23	1:14	0:44	75%	-0:03	-0:00	1%	-5%	-2%	1%
Off Peak	12	1:18	0:47	78%	12	1:11	0:42	73%	-0:06	-0:05	-5%	-9%	-11%	-6%
AM peak	5	1:16	0:36	58%	5	1:21	0:50	82%	0:04	0:13	24%	6%	38%	42%
PM Peak 1	3	1:22	0:51	88%	3	1:11	0:41	71%	-0:11	-0:10	-16%	-14%	-20%	-19%
PM Peak 2	6	1:18	0:47	81%	6	1:14	0:43	74%	-0:03	-0:04	-7%	-5%	-9%	-9%

<b>Line 22: Shaver to Fremont</b>	<b>October 2018</b>				<b>October 2019</b>				<b>Amount Change</b>			<b>Percentage Change</b>		
Period	Number of Trips	MTT (m:ss)	TPD (m:ss)	Var (%)	Number of Trips	MTT (m:ss)	TPD (m:ss)	Var (%)	MTT (m:ss)	TPD (m:ss)	Var (%)	MTT	TPD	Var
All	27	0:45	0:37	116%	31	0:40	0:31	98%	-0:04	-0:05	-18%	-10%	-16%	-15%
Off Peak	15	0:46	0:36	112%	18	0:40	0:30	94%	-0:05	-0:05	-18%	-13%	-16%	-16%
AM peak	5	0:39	0:28	86%	5	0:43	0:29	89%	0:04	0:01	3%	11%	5%	4%
PM Peak 1	4	0:47	0:50	154%	4	0:36	0:38	126%	-0:11	-0:11	-28%	-24%	-23%	-18%
PM Peak 2	7	0:47	0:46	145%	8	0:39	0:35	113%	-0:07	-0:11	-32%	-15%	-24%	-22%

<b>Line 87: Sandy to Prescott</b>	<b>October 2018</b>				<b>October 2019</b>				<b>Amount Change</b>			<b>Percentage Change</b>		
Period	Number of Trips	MTT (m:ss)	TPD (m:ss)	Var (%)	Number of Trips	MTT (m:ss)	TPD (m:ss)	Var (%)	MTT (m:ss)	TPD (m:ss)	Var (%)	MTT	TPD	Var
All	23	1:57	1:24	110%	23	1:53	1:15	95%	-0:03	-0:09	-15%	-3%	-11%	-14%
Off Peak	12	2:06	1:20	97%	12	1:54	1:06	84%	-0:11	-0:13	-13%	-9%	-17%	-13%
AM peak	5	1:35	1:06	102%	5	1:45	1:05	87%	0:10	-0:00	-16%	11%	-1%	-15%
PM Peak 1	3	2:00	1:56	142%	3	2:03	1:36	106%	0:02	-0:20	-36%	2%	-17%	-25%
PM Peak 2	6	1:59	1:49	142%	6	1:58	1:41	120%	-0:00	-0:08	-22%	-1%	-7%	-15%

# NE 102ND AVE SAFETY PROJECT | Pilot Evaluation Appendix

## VEHICLE TRAVEL TIME

Vehicle travel times were collected during the specified time periods from Google Maps travel time estimates in five minute increments.

### Time periods analyzed (weekdays only):

- **All** - 24 hours
- **Off Peak** - all runtimes not included in the AM or PM peaks
- **AM Peak** - 6:00 to 9:00 am
- **PM Peak 1** - 4:00 to 6:00 pm
- **PM Peak 2** - 3:00 to 7:00 pm

### Data compared

- **MTT** - Median travel time
- **90% TT** - 90th percentile travel time

Northbound: Halsey to Sandy	12/31/2017 - 1/22/2018		10/10/2019 - 10/24/2019		Amount Change		Percentage Change		
	Period	MTT (sec)	90% TT (sec)	MTT (sec)	90% TT (sec)	MTT (sec)	90% TT (sec)	MTT	90% TT
All		256	291	239	271.5	-17	-19.5	-7%	-7%
Off Peak		250	273	234	256	-16	-17	-6%	-6%
AM peak		260	280	239	259	-21	-21	-8%	-8%
PM Peak 1		306	401.6	282	415.8	-24	14.2	-8%	4%
PM Peak 2		291	354	270	376	-21	22	-7%	6%

Southbound: Sandy to Halsey	12/31/2017 - 1/22/2018		10/10/2019 - 10/24/2019		Amount Change		Percentage Change		
	Period	MTT (sec)	90% TT (sec)	MTT (sec)	90% TT (sec)	MTT (sec)	90% TT (sec)	MTT	90% TT
All		258	287	256	282	-2	-6	-1%	-2%
Off Peak		250	276	250	274	0	-2	0%	-1%
AM peak		267	290	257	278	-10	-12	-4%	-4%
PM Peak 1		285	309	280	299	-5	-10	-2%	-3%
PM Peak 2		280	306	277	298	-3	-8	-1%	-3%

# NE 102ND AVE SAFETY PROJECT | Pilot Evaluation Appendix

## VEHICLE TRAVEL TIME - NORTHBOUND

Halsey to Morris	12/31/2017 - 1/22/2018		10/10/2019 - 10/24/2019		Amount Change		Percentage Change		
	Period	MTT (sec)	90% TT (sec)	MTT (sec)	90% TT (sec)	MTT (sec)	90% TT (sec)	MTT	90% TT
All	94	105	91	100	-3	-5	-3%	-5%	
Off Peak	94	104	91	99	-3	-5	-3%	-5%	
AM peak	97	108	89	98	-8	-10	-8%	-9%	
PM Peak 1	95	107	96	107	1	0	1%	0%	
PM Peak 2	94	105	94	105	0	0	0%	0%	
<b>Morris to Prescott</b>									
All	95	110	94	108	-1	-2	-1%	-2%	
Off Peak	92	103	91	100	-1	-3	-1%	-3%	
AM peak	96	108	96	104	0	-4	0%	-4%	
PM Peak 1	112	130	113	148	1	18	1%	13%	
PM Peak 2	108	125	108	137	0	12	0%	10%	
<b>Prescott to Sandy</b>									
All	63	82	54	69	-9	-13	-14%	-16%	
Off Peak	61	71	52	61	-9	-10	-15%	-14%	
AM peak	64	73	53	61	-11	-12	-17%	-16%	
PM Peak 1	89	214	70	180	-19	-34	-21%	-16%	
PM Peak 2	81	139	66	145	-15	6	-19%	4%	

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## VEHICLE TRAVEL TIME - SOUTHBOUND

Sandy to Prescott	12/31/2017 - 1/22/2018		10/10/2019 - 10/24/2019		Amount Change		Percentage Change	
	Period	MTT (sec)	90% TT (sec)	MTT (sec)	90% TT (sec)	MTT (sec)	90% TT (sec)	MTT
All	51	64	51	65	0	1	0%	2%
Off Peak	49	60	49	59	0	-1	0%	-2%
AM peak	51	65	52	62	1	-3	2%	-5%
PM Peak 1	61	80	67	77	6	-3	10%	-4%
PM Peak 2	60	75	65	75	5	0	8%	0%
<b>Prescott to Morris</b>								
All	100	111	101	109	1	-2	1%	-2%
Off Peak	99	107	100	105	1	-2	1%	-2%
AM peak	102	114	101	106	-1	-8	-1%	-7%
PM Peak 1	110	123	110	118	0	-5	0%	-4%
PM Peak 2	108	120	108	115	0	-5	0%	-4%
<b>Morris to Halsey</b>								
All	100	115	101	112	1	-3	1%	-3%
Off Peak	98	112	100	111	2	-1	2%	-1%
AM peak	108	123	103	114	-5	-9	-5%	-7%
PM Peak 1	106	119	103	113	-3	-6	-3%	-5%
PM Peak 2	104	119	103	113	-1	-6	-1%	-5%

# NE 102ND AVE SAFETY PROJECT | Pilot Evaluation Appendix

## SPEED AND VOLUME ON NEIGHBORHOOD STREETS - PARKROSE

Speed (mph)		Before				After				Percent Change			MPH Change		
Location	Direction	Dates	50% speeds	85% speeds	Percent 10 mph+	Dates	50% speeds	85% speeds	Percent 10 mph+	50% speeds	85% speeds	Percent 10 mph+	50% speeds	85% speeds	Percent 10 mph+
96th south of Sandy	North	10/1/18	16	21	0.1%	10/8/19	17	21	0.0%	6.3%	0.0%	-100.0%	1	0	-0.1%
	South	-	17	21	0.0%	-	17	22	0.0%	0.0%	4.8%	NA	0	1	0.0%
	Average	10/5/18	16.5	21	0.1%	10/11/19	17	21.5	0.0%	3.0%	2.4%	-100.0%	0.5	0.5	-0.1%
97th south of Sandy	North	10/1/18	13	19	0.0%	10/8/19	14	19	0.1%	7.7%	0.0%	NA	1	0	0.1%
	South	-	14	20	0.1%	-	17	21	0.0%	21.4%	5.0%	-100.0%	3	1	-0.1%
	Average	10/5/18	13.5	19.5	0.1%	10/11/19	15.5	20	0.1%	14.8%	2.6%	0.0%	2	0.5	0.0%
100th south of Sandy*	North	10/1/18	19	24	0.4%	10/29/19	19	25	2.3%	0.0%	4.2%		0	1	
	South	-	19	25	0.6%	-	20	26	3.6%	5.3%	4.0%		1	1	
	Average	10/5/18	19	24.5	0.5%	10/30/19	19.5	25.5	3.0%	2.6%	4.1%		0.5	1	
101st south of Sandy	North	10/1/18	16	21	0.0%	10/10/19	17	21	0.4%	6.3%	0.0%	NA	1	0	0.4%
	South	-	20	26	1.5%	-	18	25	0.9%	-10.0%	-3.8%	-40.0%	-2	-1	-0.6%
	Average	10/5/18	18	23.5	0.8%	10/11/19	17.5	23	0.7%	-2.8%	-2.1%	-13.3%	-0.5	-0.5	-0.1%
103rd south of Sandy	North	10/1/18	17	23	0.2%	10/10/19	14	22	0.0%	-17.6%	-4.3%	-100.0%	-3	-1	-0.2%
	South	-	20	25	0.3%	-	17	25	1.7%	-15.0%	0.0%	466.7%	-3	0	1.4%
	Average	10/5/18	18.5	24	0.3%	10/11/19	15.5	23.5	0.9%	-16.2%	-2.1%	240.0%	-3	-0.5	0.6%
104th south of Sandy	North	10/1/18	17	23	0.2%	10/10/19	18	23	1.1%	5.9%	0.0%	450.0%	1	0	0.9%
	South	-	19	25	0.5%	-	18	25	0.4%	-5.3%	0.0%	-20.0%	-1	0	-0.1%
	Average	10/5/18	18	24	0.4%	10/11/19	18	24	0.8%	0.0%	0.0%	114.3%	0	0	0.4%
105th south of Sandy	North	10/1/18	22	26	2.8%	10/10/19	20	25	1.2%	-9.1%	-3.8%	-57.1%	-2	-1	-1.6%
	South	-	19	22	0.3%	-	18	22	0.4%	-5.3%	0.0%	33.3%	-1	0	0.1%
	Average	10/5/18	20.5	24	1.6%	10/11/19	19	23.5	0.8%	-7.3%	-2.1%	-48.4%	-1.5	-0.5	-0.8%

\*The speed limit on this street changed from 25 mph to 20 mph, between measurements, so the 10 mph+ measure is inconsistent.

# NE 102ND AVE SAFETY PROJECT | Pilot Evaluation Appendix

## SPEED AND VOLUME ON NEIGHBORHOOD STREETS - PARKROSE (CONTINUED)

Speed (mph)		Before				After				Percent Change			MPH Change		
Location	Direction	Dates	50% speeds	85% speeds	Percent 10 mph+	Dates	50% speeds	85% speeds	Percent 10 mph+	50% speeds	85% speeds	Percent 10 mph+	50% speeds	85% speeds	Percent 10 mph+
Wygant east of 102nd	East	9/26/18	18	22	0.2%	10/10/19	18	23	0.8%	0.0%	4.5%	300.0%	0	1	0.6%
	West	-	18	23	0.1%	-	16	20	0.0%	-11.1%	-13.0%	-100.0%	-2	-3	-0.1%
	Average	9/28/18	18	22.5	0.2%	10/11/19	17	21.5	0.4%	-5.6%	-4.4%	166.7%	-1	-1	0.3%
Wygant west of 102nd	East	9/26/18	18	22	0.0%	10/10/19	18	23	1.2%	0.0%	4.5%	NA	0	1	1.2%
	West	-	16	21	0.0%	-	17	22	0.5%	6.3%	4.8%	NA	1	1	0.5%
	Average	9/28/18	17	21.5	0.0%	10/11/19	17.5	22.5	0.9%	2.9%	4.7%	NA	0.5	1	0.9%
Skidmore east of 102nd*	East	9/26/18	20	25	0.0%	10/29/19	20	24	0.0%	0.0%	-4.0%	NA	0	-1	0.0%
	West	-	21	26	0.6%	-	21	26	0.2%	0.0%	0.0%	-66.7%	0	0	-0.4%
	Average	9/28/18	20.5	25.5	0.3%	10/30/19	20.5	25	0.1%	0.0%	-2.0%	-66.7%	0	-0.5	-0.2%
Shaver east of 102nd**	East	9/25/18	22	26	0.3%	10/29/19	22	26	3.0%	0.0%	0.0%		0	0	
	West	-	24	28	1.3%	-	23	27	5.7%	-4.2%	-3.6%		-1	-1	
	Average	9/28/18	23	27	0.8%	10/30/19	22.5	26.5	4.4%	-2.2%	-1.9%		-0.5	-0.5	
Beech east of 102nd*	East	9/25/18	19	23	0.2%	10/29/19	19	25	0.0%	0.0%	8.7%	-100.0%	0	2	-0.2%
	West	-	20	24	0.0%	-	19	24	0.0%	-5.0%	0.0%	NA	-1	0	0.0%
	Average	9/27/18	19.5	23.5	0.1%	10/30/19	19	24.5	0.0%	-2.6%	4.3%	-100.0%	-0.5	1	-0.1%

\*The percent 10 mph+ figure was calculated using a 25 mph speed limit, although the speed limit is 20 mph.

\*\* The speed limit on this street changed from 25 mph to 20 mph, between measurements, so the 10 mph+ measure is inconsistent.

# NE 102ND AVE SAFETY PROJECT | Pilot Evaluation Appendix

## SPEED AND VOLUME ON NEIGHBORHOOD STREETS - PARKROSE (CONTINUED)

Volume		Before				After				Percent Change			Volume Change		
Location	Direction	Dates	ADT*	AM Peak	PM Peak	Dates	ADT*	AM Peak	PM Peak	ADT*	AM Peak	PM Peak	ADT*	AM Peak	PM Peak
96th south of Sandy	North	10/1/18	276	15	34	10/8/19	278	14	40	0.7%	-6.7%	17.6%	2	-1	6
	South	-	449	35	40	-	426	30	37	-5.1%	-14.3%	-7.5%	-23	-5	-3
	Average	10/5/18	725	50	74	10/11/19	704	44	77	-2.9%	-12.0%	4.1%	-21	-6	3
97th south of Sandy	North	10/1/18	438	24	65	10/8/19	446	25	63	1.8%	4.2%	-3.1%	8	1	-2
	South	-	368	30	26	-	346	24	30	-6.0%	-20.0%	15.4%	-22	-6	4
	Average	10/5/18	806	54	91	10/11/19	792	49	93	-1.7%	-9.3%	2.2%	-14	-5	2
100th south of Sandy	North	10/1/18	296	14	49	10/29/19	302	19	53	2.0%	35.7%	8.2%	6	5	4
	South	-	472	22	45	-	416	28	48	-11.9%	27.3%	6.7%	-56	6	3
	Average	10/5/18	768	36	94	10/30/19	718	47	101	-6.5%	30.6%	7.4%	-50	11	7
101st south of Sandy	North	10/1/18	115	7	17	10/10/19	163	8	29	41.7%	14.3%	70.6%	48	1	12
	South	-	214	15	22	-	196	16	21	-8.4%	6.7%	-4.5%	-18	1	-1
	Average	10/5/18	329	22	39	10/11/19	359	24	50	9.1%	9.1%	28.2%	30	2	11
103rd south of Sandy	North	10/1/18	109	7	12	10/10/19	153	12	22	40.4%	71.4%	83.3%	44	5	10
	South	-	289	18	35	-	278	24	29	-3.8%	33.3%	-17.1%	-11	6	-6
	Average	10/5/18	398	25	47	10/11/19	431	36	51	8.3%	44.0%	8.5%	33	11	4
104th south of Sandy	North	10/1/18	87	9	9	10/10/19	94	8	10	8.0%	-11.1%	11.1%	7	-1	1
	South	-	130	8	13	-	130	6	21	0.0%	-25.0%	61.5%	0	-2	8
	Average	10/5/18	217	17	22	10/11/19	224	14	31	3.2%	-17.6%	40.9%	7	-3	9
105th south of Sandy	North	10/1/18	1154	64	146	10/10/19	1087	68	128	-5.8%	6.3%	-12.3%	-67	4	-18
	South	-	1100	67	129	-	1233	58	215	12.1%	-13.4%	66.7%	133	-9	86
	Average	10/5/18	2254	131	275	10/11/19	2320	126	343	2.9%	-3.8%	24.7%	66	-5	68

\*ADT - Average Daily Traffic

# NE 102ND AVE SAFETY PROJECT | Pilot Evaluation Appendix

## SPEED AND VOLUME ON NEIGHBORHOOD STREETS - PARKROSE (CONTINUED)

Volume		Before				After				Percent Change			Volume Change		
Location	Direction	Dates	ADT*	AM Peak	PM Peak	Dates	ADT*	AM Peak	PM Peak	ADT*	AM Peak	PM Peak	ADT*	AM Peak	PM Peak
Wygant east of 102nd	East	9/26/18	789	46	101	10/10/19	717	39	87	-9.1%	-15.2%	-13.9%	-72	-7	-14
	West	-	964	60	101	-	770	26	174	-20.1%	-56.7%	72.3%	-194	-34	73
	Average	9/28/18	1753	106	202	10/11/19	1487	65	261	-15.2%	-38.7%	29.2%	-266	-41	59
Wygant west of 102nd	East	9/26/18	820	58	96	10/10/19	714	29	92	-12.9%	-50.0%	-4.2%	-106	-29	-4
	West	-	670	31	107	-	948	60	127	41.5%	93.5%	18.7%	278	29	20
	Average	9/28/18	1490	89	203	10/11/19	1662	89	219	11.5%	0.0%	7.9%	172	0	16
Skidmore east of 102nd*	East	9/26/18	237	17	22	10/29/19	202	14	17	-14.8%	-17.6%	-22.7%	-35	-3	-5
	West	-	488	50	89	-	333	48	31	-31.8%	-4.0%	-65.2%	-155	-2	-58
	Average	9/28/18	725	67	111	10/30/19	535	62	48	-26.2%	-7.5%	-56.8%	-190	-5	-63
Shaver east of 102nd**	East	9/25/18	495	67	52	10/29/19	469	71	53	-5.3%	6.0%	1.9%	-26	4	1
	West	-	710	99	75	-	595	98	60	-16.2%	-1.0%	-20.0%	-115	-1	-15
	Average	9/28/18	1205	166	127	10/30/19	1064	169	113	-11.7%	1.8%	-11.0%	-141	3	-14
Beech east of 102nd*	East	9/25/18	233	17	26	10/29/19	173	14	22	-25.8%	-17.6%	-15.4%	-60	-3	-4
	West	-	235	29	24	-	244	22	24	3.8%	-24.1%	0.0%	9	-7	0
	Average	9/27/18	468	46	50	10/30/19	417	36	46	-10.9%	-21.7%	-8.0%	-51	-10	-4

\*ADT - Average Daily Traffic



# NE 102ND AVE SAFETY PROJECT | Pilot Evaluation Appendix

## SPEED AND VOLUME ON NEIGHBORHOOD STREETS - MAYWOOD PARK

Speed (mph)		Before				After				Percent Change			MPH Change		
Location	Direction	Dates	50% speeds	85% speeds	Percent 10 mph+	Dates	50% speeds	85% speeds	Percent 10 mph+	50% speeds	85% speeds	Percent 10 mph+	50% speeds	85% speeds	Percent 10 mph+
96th south of Prescott	North	10/1/18	19	22	0.0%	10/8/19	17	21	0.0%	-10.5%	-4.5%	NA	-2	-1	0.0%
	South	-	18	21	0.0%	-	16	21	0.0%	-11.1%	0.0%	NA	-2	0	0.0%
	Average	10/5/18	18.5	21.5	0.0%	10/10/19	16.5	21	0.0%	-10.8%	-2.3%	NA	-2	-0.5	0.0%
99th south of Prescott	North	10/1/18	18	22	0.1%	10/8/19	18	21	0.0%	0.0%	-4.5%	-100.0%	0	-1	-0.1%
	South	-	18	22	0.3%	-	17	21	0.0%	-5.6%	-4.5%	-100.0%	-1	-1	-0.3%
	Average	10/5/18	18	22	0.2%	10/10/19	17.5	21	0.0%	-2.8%	-4.5%	-100.0%	-0.5	-1	-0.2%
Campaign west of 102nd	East	9/26/18	8	14	0.0%	10/8/19	16	21	0.0%	100.0%	50.0%	NA	8	7	0.0%
	West	-	9	15	0.0%	-	17	22	0.0%	88.9%	46.7%	NA	8	7	0.0%
	Average	9/28/18	8.5	14.5	0.0%	10/10/19	16.5	21.5	0.0%	94.1%	48.3%	NA	8	7	0.0%
Skidmore west of 102nd	East	9/26/18	12	19	0.3%										
	West	-	13	19	0.2%										
	Average	9/28/18	12.5	19	0.3%										
Skidmore west of 102nd	East	4/18/19	13	19	0.3%										
	West	-	14	20	0.0%										
	Average	4/19/19	13.5	19.5	0.2%										
Skidmore west of 102nd	East		12.5	19	0.3%	10/8/19	14	19	0.0%	12.0%	0.0%	-100.0%	1.5	0	-0.3%
	West	Average	13.5	19.5	0.1%	-	15	20	0.0%	11.1%	2.6%	-100.0%	1.5	0.5	-0.1%
	Average		13	19.25	0.2%	10/11/19	14.5	19.5	0.0%	11.5%	1.3%	-100.0%	1.5	0.25	-0.2%

# NE 102ND AVE SAFETY PROJECT | Pilot Evaluation Appendix

## SPEED AND VOLUME ON NEIGHBORHOOD STREETS - MAYWOOD PARK (CONTINUED)

Speed (mph)		Before				After				Percent Change			MPH Change		
Location	Direction	Dates	50% speeds	85% speeds	Percent 10 mph+	Dates	50% speeds	85% speeds	Percent 10 mph+	50% speeds	85% speeds	Percent 10 mph+	50% speeds	85% speeds	Percent 10 mph+
Mason west of 102nd	East	9/26/18	9	15	0.0%										
	West	-	8	14	0.0%										
	Average	9/28/18	8.5	14.5	0.0%										
Mason west of 102nd	East	4/18/19	13	18	0.0%										
	West	-	11	18	0.0%										
	Average	4/19/19	12	18	0.0%										
Mason west of 102nd	East		11	16.5	0.0%	10/8/19	13	19	0.0%	18.2%	15.2%	NA	2	2.5	0.0%
	West	Average	9.5	16	0.0%	-	13	18	0.0%	36.8%	12.5%	NA	3.5	2	0.0%
	Average		10.25	16.25	0.0%	10/11/19	13	18.5	0.0%	26.8%	13.8%	NA	2.75	2.25	0.0%
Shaver west of 102nd	East	9/25/18	19	23	0.0%										
	West	-	17	22	0.0%										
	Average	9/28/18	18	22.5	0.0%										
Shaver west of 102nd	East	4/18/19	17	22	0.0%										
	West	-	14	20	0.0%										
	Average	4/19/19	15.5	21	0.0%										
Shaver west of 102nd	East		18	22.5	0.0%	10/8/19	17	22	0.0%	-5.6%	-2.2%	NA	-1	-0.5	0.0%
	West	Average	15.5	21	0.0%	-	16	22	0.0%	3.2%	4.8%	NA	0.5	1	0.0%
	Average		16.75	21.75	0.0%	10/11/19	16.5	22	0.0%	-1.5%	1.1%	NA	-0.25	0.25	0.0%

# NE 102ND AVE SAFETY PROJECT | Pilot Evaluation Appendix

## SPEED AND VOLUME ON NEIGHBORHOOD STREETS - MAYWOOD PARK (CONTINUED)

Speed (mph)		Before				After				Percent Change			MPH Change		
Location	Direction	Dates	50% speeds	85% speeds	Percent 10 mph+	Dates	50% speeds	85% speeds	Percent 10 mph+	50% speeds	85% speeds	Percent 10 mph+	50% speeds	85% speeds	Percent 10 mph+
Failing west of 102nd	East	9/26/18	19	25	0.0%										
	West	-	16	21	0.0%										
	Average	9/28/18	17.5	23	0.0%										
Failing west of 102nd	East	4/18/19	17	23	0.0%										
	West	-	11	20	0.0%										
	Average	4/19/19	14	21.5	0.0%										
Failing west of 102nd	East		18	24	0.0%	10/8/19	17	23	0.0%	-5.6%	-4.2%	NA	-1	-1	0.0%
	West	Average	13.5	20.5	0.0%	-	16	22	0.0%	18.5%	7.3%	NA	2.5	1.5	0.0%
	Average		15.75	22.25	0.0%	10/11/19	16.5	22.5	0.0%	4.8%	1.1%	NA	0.75	0.25	0.0%
Alton west of 102nd	East	9/26/18	13	21	0.0%	10/8/19	11	19	0.0%	-15.4%	-9.5%	NA	-2	-2	0.0%
	West	-	13	20	0.0%	-	12	20	0.5%	-7.7%	0.0%	NA	-1	0	0.5%
	Average	9/27/18	13	20.5	0.0%	10/11/19	11.5	19.5	0.3%	-11.5%	-4.9%	NA	-1.5	-1	0.3%
Beech west of 102nd	East	9/25/18	16	23	0.0%	10/8/19	12	18	0.0%	-25.0%	-21.7%	NA	-4	-5	0.0%
	West	-	17	21	0.0%	-	14	22	0.0%	-17.6%	4.8%	NA	-3	1	0.0%
	Average	9/27/18	16.5	22	0.0%	10/11/19	13	20	0.0%	-21.2%	-9.1%	NA	-3.5	-2	0.0%
Maywood south of Beech	North	4/18/19	14	22	0.3%	10/8/19	18	22	0.0%	28.6%	0.0%	-100.0%	4	0	-0.3%
	South	-	16	22	0.0%	-	17	23	0.0%	6.3%	4.5%	NA	1	1	0.0%
	Average	4/19/19	15	22	0.2%	10/11/19	17.5	22.5	0.0%	16.7%	2.3%	-100.0%	2.5	0.5	-0.2%
Maywood south of Failing	North	11/1/18	16	22	0.0%	10/8/19	13	19	0.1%	-18.8%	-13.6%	NA	-3	-3	0.1%
	South	-	15	21	0.0%	-	13	21	0.0%	-13.3%	0.0%	NA	-2	0	0.0%
	Average	11/2/19	15.5	21.5	0.0%	10/11/19	13	20	0.1%	-16.1%	-7.0%	NA	-2.5	-1.5	0.1%

# NE 102ND AVE SAFETY PROJECT | Pilot Evaluation Appendix

## SPEED AND VOLUME ON NEIGHBORHOOD STREETS - MAYWOOD PARK (CONTINUED)

Volume		Before				After				Percent Change			Volume Change		
Location	Direction	Dates	ADT*	AM Peak	PM Peak	Dates	ADT*	AM Peak	PM Peak	ADT*	AM Peak	PM Peak	ADT*	AM Peak	PM Peak
96th south of Prescott	North	10/1/18	177	20	14	10/8/19	207	30	19	16.9%	50.0%	35.7%	30	10	5
	South	-	170	11	28	-	183	9	30	7.6%	-18.2%	7.1%	13	-2	2
	Average	10/5/18	347	31	42	10/10/19	390	39	49	12.4%	25.8%	16.7%	43	8	7
99th south of Prescott	North	10/1/18	183	27	16	10/8/19	213	24	18	16.4%	-11.1%	12.5%	30	-3	2
	South	-	143	8	33	-	192	12	28	34.3%	50.0%	-15.2%	49	4	-5
	Average	10/5/18	326	35	49	10/10/19	405	36	46	24.2%	2.9%	-6.1%	79	1	-3
Campaign west of 102nd	East	9/26/18	86	11	10	10/8/19	118	11	13	37.2%	0.0%	30.0%	32	0	3
	West	-	97	10	12	-	99	9	12	2.1%	-10.0%	0.0%	2	-1	0
	Average	9/28/18	183	21	22	10/10/19	217	20	25	18.6%	-4.8%	13.6%	34	-1	3
Skidmore west of 102nd	East	9/26/18	163	17	22										
	West	-	160	11	17										
	Average	9/28/18	323	28	39										
Skidmore west of 102nd	East	4/18/19	155	13	20										
	West	-	159	10	25										
	Average	4/19/19	314	23	45										
Skidmore west of 102nd	East		159	15	21	10/8/19	140	11	14	-11.9%	-26.7%	-33.3%	-19	-4	-7
	West	Average	159.5	10.5	21	-	150	13	16	-6.0%	23.8%	-23.8%	-9.5	2.5	-5
	Average		318.5	25.5	42	10/11/19	290	24	30	-8.9%	-5.9%	-28.6%	-28.5	-1.5	-12

\*ADT - Average Daily Traffic

# NE 102ND AVE SAFETY PROJECT | Pilot Evaluation Appendix

## SPEED AND VOLUME ON NEIGHBORHOOD STREETS - MAYWOOD PARK (CONTINUED)

Volume		Before				After				Percent Change			Volume Change		
Location	Direction	Dates	ADT*	AM Peak	PM Peak	Dates	ADT*	AM Peak	PM Peak	ADT*	AM Peak	PM Peak	ADT*	AM Peak	PM Peak
Mason west of 102nd	East	9/26/18	102	11	14										
	West	-	104	8	10										
	Average	9/28/18	206	19	24										
Mason west of 102nd	East	4/18/19	88	10	13										
	West	-	98	7	15										
	Average	4/19/19	186	17	28										
Mason west of 102nd	East		95	10.5	13.5	10/8/19	101	13	11	6.3%	23.8%	-18.5%	6	2.5	-2.5
	West	Average	101	7.5	12.5	-	98	8	10	-3.0%	6.7%	-20.0%	-3	0.5	-2.5
	Average		196	18	26	10/11/19	199	21	21	1.5%	16.7%	-19.2%	3	3	-5
Shaver west of 102nd	East	9/25/18	90	11	8										
	West	-	72	6	9										
	Average	9/28/18	162	17	17										
Shaver west of 102nd	East	4/18/19	91	11	8										
	West	-	91	6	11										
	Average	4/19/19	182	17	19										
Shaver west of 102nd	East		90.5	11	8	10/8/19	93	13	9	2.8%	18.2%	12.5%	2.5	2	1
	West	Average	81.5	6	10	-	83	5	11	1.8%	-16.7%	10.0%	1.5	-1	1
	Average		172	17	18	10/11/19	176	18	20	2.3%	5.9%	11.1%	4	1	2

\*ADT - Average Daily Traffic

# NE 102ND AVE SAFETY PROJECT | Pilot Evaluation Appendix

## SPEED AND VOLUME ON NEIGHBORHOOD STREETS - MAYWOOD PARK (CONTINUED)

Volume		Before				After				Percent Change			Volume Change		
Location	Direction	Dates	ADT*	AM Peak	PM Peak	Dates	ADT*	AM Peak	PM Peak	ADT*	AM Peak	PM Peak	ADT*	AM Peak	PM Peak
Failing west of 102nd	East	9/26/18	85	10	10										
	West	-	58	3	7										
	Average	9/28/18	143	13	17										
Failing west of 102nd	East	4/18/19	90	9	11										
	West	-	97	9	10										
	Average	4/19/19	187	18	21										
Failing west of 102nd	East		87.5	9.5	10.5	10/8/19	64	6	7	-26.9%	-36.8%	-33.3%	-23.5	-3.5	-3.5
	West	Average	77.5	6	8.5	-	52	3	7	-32.9%	-50.0%	-17.6%	-25.5	-3	-1.5
	Average		165	15.5	19	10/11/19	116	9	14	-29.7%	-41.9%	-26.3%	-49	-6.5	-5
Alton west of 102nd	East	9/26/18	42	7	7	10/8/19	56	10	6	33.3%	42.9%	-14.3%	14	3	-1
	West	-	48	4	6	-	71	6	10	47.9%	50.0%	66.7%	23	2	4
	Average	9/27/18	90	11	13	10/11/19	127	16	16	41.1%	45.5%	23.1%	37	5	3
Beech west of 102nd	East	9/25/18	34	3	6	10/8/19	34	4	5	0.0%	33.3%	-16.7%	0	1	-1
	West	-	53	5	6	-	54	4	7	1.9%	-20.0%	16.7%	1	-1	1
	Average	9/27/18	87	8	12	10/11/19	88	8	12	1.1%	0.0%	0.0%	1	0	0
Maywood south of Beech	North	4/18/19	263	14	34	10/8/19	184	14	23	-30.0%	0.0%	-32.4%	-79	0	-11
	South	-	192	18	19	-	187	15	22	-2.6%	-16.7%	15.8%	-5	-3	3
	Average	4/19/19	455	32	53	10/11/19	371	29	45	-18.5%	-9.4%	-15.1%	-84	-3	-8
Maywood south of Failing	North	11/1/18	191	14	29	10/8/19	193	14	28	1.0%	0.0%	-3.4%	2	0	-1
	South	-	136	12	15	-	150	13	23	10.3%	8.3%	53.3%	14	1	8
	Average	11/2/19	327	26	44	10/11/19	343	27	51	4.9%	3.8%	15.9%	16	1	7

\*ADT - Average Daily Traffic

# NE 102ND AVE SAFETY PROJECT | Pilot Evaluation Appendix

## SPEED AND VOLUME ON NEIGHBORHOOD STREETS - PARKROSE HEIGHTS AND WOODLAND PARK

Speed (mph)		Before				After				Percent Change			MPH Change		
Location	Direction	Dates	50% speeds	85% speeds	Percent 10 mph+	Dates	50% speeds	85% speeds	Percent 10 mph+	50% speeds	85% speeds	Percent 10 mph+	50% speeds	85% speeds	Percent 10 mph+
Knott east of 102nd	East	9/25/18	23	28	6.9%	10/29/19	17	21	0.2%	-26.1%	-25.0%	-97.1%	-6	-7	-6.7%
	West	-	22	28	6.8%	-	16	21	0.4%	-27.3%	-25.0%	-94.1%	-6	-7	-6.4%
	Average	9/27/18	22.5	28	6.9%	10/30/19	16.5	21	0.3%	-26.7%	-25.0%	-95.6%	-6	-7	-6.6%
Sacramento east of 102nd	East	9/25/18	27	32	4.0%	10/29/19	21	25	0.3%	-22.2%	-21.9%	-92.5%	-6	-7	-3.7%
	West	-	29	34	11.3%	-	23	28	1.5%	-20.7%	-17.6%	-86.7%	-6	-6	-9.8%
	Average	9/27/18	28	33	7.7%	10/30/19	22	26.5	0.9%	-21.4%	-19.7%	-88.2%	-6	-6.5	-6.8%
Tillamook east of 102nd	East	10/8/18	24	30	13.3%	10/29/19	23	28	6.9%	-4.2%	-6.7%	-48.1%	-1	-2	-6.4%
	West	-	22	28	7.5%	-	23	29	10.3%	4.5%	3.6%	37.3%	1	1	2.8%
	Average	10/12/18	23	29	10.4%	10/30/19	23	28.5	8.6%	0.0%	-1.7%	-17.3%	0	-0.5	-1.8%
Bell and 101st*	North	5/13/19	14	19	0.0%	10/29/19	15	21	0.0%	7.1%	10.5%	NA	1	2	0.0%
	South	-	14	18	0.0%	-	18	23	1.00%	28.6%	27.8%	NA	4	5	1.0%
	Average	5/15/19	14	18.5	0.0%	10/30/19	16.5	22	0.5%	17.9%	18.9%	NA	2.5	3.5	0.5%

\*Before counts were conducted north of the NE Bell St and 101st Ave intersection. After counts were conducted south of the intersection.

# NE 102ND AVE SAFETY PROJECT | Pilot Evaluation Appendix

## SPEED AND VOLUME ON NEIGHBORHOOD STREETS - PARKROSE HEIGHTS AND WOODLAND PARK

Volume		Before				After				Percent Change			Volume Change		
Location	Direction	Dates	ADT*	AM Peak	PM Peak	Dates	ADT*	AM Peak	PM Peak	ADT*	AM Peak	PM Peak	ADT*	AM Peak	PM Peak
Knott east of 102nd	East	9/25/18	365	24	38	10/29/19	342	24	46	-6.3%	0.0%	21.1%	-23	0	8
	West	-	257	26	21	-	236	22	27	-8.2%	-15.4%	28.6%	-21	-4	6
	Average	9/27/18	622	50	59	10/30/19	578	46	73	-7.1%	-8.0%	23.7%	-44	-4	14
Sacramento east of 102nd	East	9/25/18	656	49	63	10/29/19	648	68	79	-1.2%	38.8%	25.4%	-8	19	16
	West	-	705	86	48	-	698	105	49	-1.0%	22.1%	2.1%	-7	19	1
	Average	9/27/18	1361	135	111	10/30/19	1346	173	128	-1.1%	28.1%	15.3%	-15	38	17
Tillamook east of 102nd	East	10/8/18	608	69	45	10/29/19	456	29	48	-25.0%	-58.0%	6.7%	-152	-40	3
	West	-	517	34	46	-	504	61	42	-2.5%	79.4%	-8.7%	-13	27	-4
	Average	10/12/18	1125	103	91	10/30/19	960	90	90	-14.7%	-12.6%	-1.1%	-165	-13	-1
Bell and 101st**	North	5/13/19	217	20	19	10/29/19	105	8	14	-51.6%	-60.0%	-26.3%	-112	-12	-5
	South	-	274	32	40	-	107	18	15	-60.9%	-43.8%	-62.5%	-167	-14	-25
	Average	5/15/19	491	52	59	10/30/19	212	26	29	-56.8%	-50.0%	-50.8%	-279	-26	-30

\*ADT - Average Daily Traffic

\*\*Before counts were conducted north of the NE Bell St and 101st Ave intersection. After counts were conducted south of the intersection.