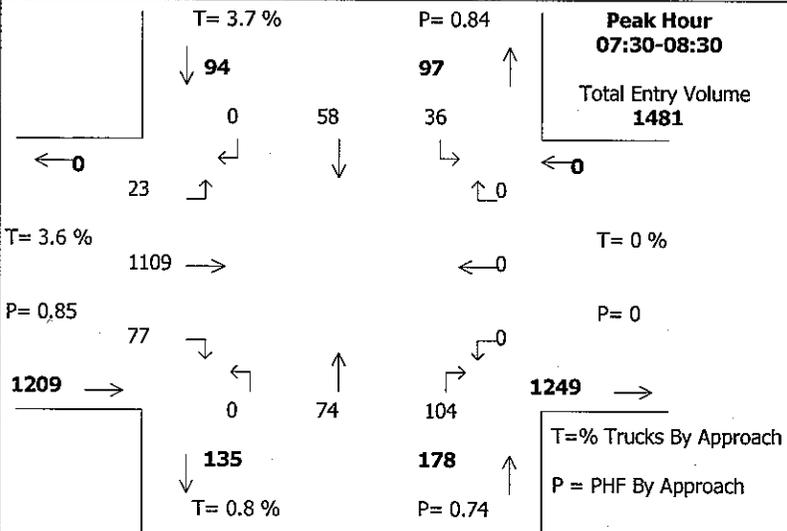


TECHNICAL APPENDIX

TRAFFIC COUNTS

INTERSECTION TURN MOVEMENT SUMMARY REPORT

File: W0EV



LOCATION:

4TH AVE AT BASELINE ST
CORNELIUS, OR

Date: **09/23/04** Day: **THU**
Time: **06:00 - 09:00**

Report Prepared for:
DKS ASSOCIATES

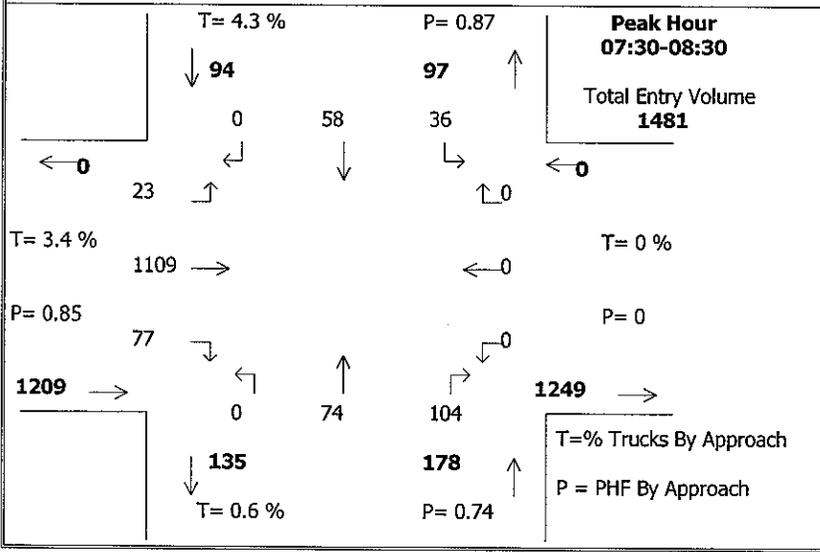
Surveyed By:
TRAFFIC SMITHY, INC
1225 NW Murray Blvd Suite 111
Portland, OR 97229
Phone: 503-641-6333 Fax: 503-643-8866

Report Reviewed by: *JG*

TIME PERIOD	EASTBOUND			SOUTHBOUND			NORTHBOUND			WESTBOUND			ALL
	↘	→	↗	↙	↓	↘	↖	↑	↗	↖	↗		
06:00-06:05	1	63	0	0	2	5	0	3	2	0	0	0	76
06:05-06:10	0	48	0	0	0	0	0	5	6	0	0	0	59
06:10-06:15	1	75	2	0	1	3	0	5	8	0	0	0	95
06:15-06:20	3	73	1	0	1	2	0	3	4	0	0	0	87
06:20-06:25	4	99	3	0	1	3	0	5	9	0	0	0	124
06:25-06:30	3	89	3	0	3	1	0	4	6	0	0	0	109
06:30-06:35	2	104	1	0	2	0	0	10	9	0	0	0	128
06:35-06:40	6	101	3	0	1	2	0	5	10	0	0	0	128
06:40-06:45	4	78	2	0	4	2	0	7	8	0	0	0	105
06:45-06:50	4	84	2	0	5	1	0	12	14	0	0	0	122
06:50-06:55	1	83	3	0	3	8	0	14	2	0	0	0	114
06:55-07:00	2	85	3	0	2	4	0	7	6	0	0	0	109
07:00-07:05	2	75	2	0	4	3	0	6	13	0	0	0	105
07:05-07:10	2	75	2	0	5	3	0	10	6	0	0	0	103
07:10-07:15	3	76	0	0	0	2	0	6	5	0	0	0	92
07:15-07:20	3	72	1	0	1	3	0	6	7	0	0	0	93
07:20-07:25	4	78	2	0	2	2	0	7	9	0	0	0	104
07:25-07:30	2	81	3	0	3	1	0	3	13	0	0	0	106
07:30-07:35	2	94	2	0	5	3	0	5	6	0	0	0	117
07:35-07:40	8	102	4	0	3	4	0	5	8	0	0	0	134
07:40-07:45	4	91	1	0	6	3	0	8	3	0	0	0	116
07:45-07:50	3	115	2	0	4	5	0	5	8	0	0	0	142
07:50-07:55	5	116	3	0	3	4	0	8	10	0	0	0	149
07:55-08:00	9	103	1	0	2	1	0	6	8	0	0	0	130
08:00-08:05	6	92	1	0	7	3	0	7	8	0	0	0	124
08:05-08:10	5	82	3	0	5	5	0	3	7	0	0	0	110
08:10-08:15	11	80	4	0	6	1	0	4	9	0	0	0	115
08:15-08:20	11	66	0	0	8	3	0	15	10	0	0	0	113
08:20-08:25	6	83	1	0	7	1	0	2	13	0	0	0	113
08:25-08:30	7	85	1	0	2	3	0	6	14	0	0	0	118
08:30-08:35	3	70	0	0	5	1	0	12	11	0	0	0	102
08:35-08:40	0	69	2	0	3	5	0	5	13	0	0	0	97
08:40-08:45	5	81	1	0	7	2	0	8	4	0	0	0	108
08:45-08:50	5	79	1	0	4	2	0	3	3	0	0	0	97
08:50-08:55	1	66	2	0	3	0	0	5	4	0	0	0	81
08:55-09:00	3	87	2	0	2	4	0	6	4	0	0	0	108
TOTALS	141	3000	64	0	122	95	0	231	280	0	0	0	3933
PHF	0.69	0.83	0.72	0	0.69	0.75	0	0.8	0.7	0	0	0	0.88
% Trucks	3.5	3.6	3.1	0	1.6	6.3	0	0.9	0.7	0	0	0	3.2
Stopped Buses	0	0	0	0	0	0	0	0	0	0	0	0	0
Pedestrians		1			4			1			1		

INTERSECTION TURN MOVEMENT PEAK HOUR REPORT

File: W0EV



LOCATION:

4TH AVE AT BASELINE ST
CORNELIUS, OR

Date: **09/23/04** Day: **THU**
Time: **06:00 - 09:00**

Report Prepared for:
DKS ASSOCIATES

Surveyed By:
TRAFFIC SMITHY, INC
1225 NW Murray Blvd Suite 111
Portland, OR 97229
Phone: 503-641-6333 Fax: 503-643-8866

Report Reviewed by: JG

TIME PERIOD	EASTBOUND			SOUTHBOUND			NORTHBOUND			WESTBOUND			ALL
	↘	→	↗	↙	↓	↘	↖	↑	↗	↖	↗		
ALL VEHICLES													
07:30-07:45	14	287	7	0	14	10	0	18	17	0	0	0	367
07:45-08:00	17	334	6	0	9	10	0	19	26	0	0	0	421
08:00-08:15	22	254	8	0	18	9	0	14	24	0	0	0	349
08:15-08:30	24	234	2	0	17	7	0	23	37	0	0	0	344
LIGHT TRUCKS (SINGLE UNIT 2 AXLES)													
07:30-07:45	1	6	0	0	1	0	0	0	0	0	0	0	8
07:45-08:00	0	3	0	0	0	1	0	0	0	0	0	0	4
08:00-08:15	0	6	0	0	0	1	0	0	0	0	0	0	7
08:15-08:30	0	7	2	0	0	0	0	0	1	0	0	0	10
MEDIUM TRUCKS (SINGLE UNIT >2 AXLES)													
07:30-07:45	0	2	0	0	0	0	0	0	0	0	0	0	2
07:45-08:00	0	2	0	0	0	0	0	0	0	0	0	0	2
08:00-08:15	0	0	0	0	0	1	0	0	0	0	0	0	1
08:15-08:30	0	0	0	0	0	0	0	0	0	0	0	0	0
HEAVY TRUCKS (SEMI-TRACTOR TRAILER)													
07:30-07:45	0	2	0	0	0	0	0	0	0	0	0	0	2
07:45-08:00	0	4	0	0	0	0	0	0	0	0	0	0	4
08:00-08:15	0	1	0	0	0	0	0	0	0	0	0	0	1
08:15-08:30	0	5	0	0	0	0	0	0	0	0	0	0	5
BICYCLES													
07:30-07:45	0	1	0	0	0	0	0	0	0	0	0	0	1
07:45-08:00	0	1	0	0	0	0	0	0	0	0	0	0	1
08:00-08:15	0	0	0	0	0	0	0	0	0	0	0	0	0
08:15-08:30	0	0	0	0	0	0	0	0	0	0	0	0	0
PEDESTRIANS													
Crosswalk	SOUTH			WEST			EAST			NORTH			ALL
07:30-07:45	1			0			0			0			1
07:45-08:00	0			1			0			0			1
08:00-08:15	0			0			0			0			0
08:15-08:30	0			0			0			1			1

Peak Hour By Movement

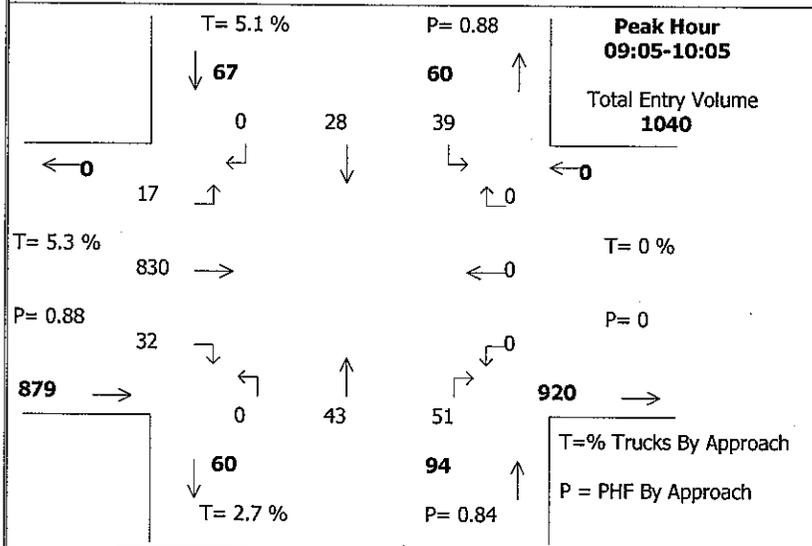
PHF	0.8	0.83	0.72	0	0.81	0.9	0	0.8	0.7	0	0	0	0.88
% Trucks(All)	1.3	3.4	8.7	0	1.7	8.3	0	0	1	0	0	0	3.1
% Trucks(M+H)	0	1.4	0	0	0	2.8	0	0	0	0	0	0	1.1
Stopped Buses	0	0	0	0	0	0	0	0	0	0	0	0	0

Hourly Totals

06:00-07:00	31	982	23	0	25	31	0	80	84	0	0	0	1256
06:15-07:15	36	1022	25	0	31	31	0	89	92	0	0	0	1326
06:30-07:30	35	992	24	0	32	31	0	93	102	0	0	0	1309
06:45-07:45	37	996	25	0	39	37	0	89	92	0	0	0	1315
07:00-08:00	47	1078	23	0	38	34	0	75	96	0	0	0	1391
07:15-08:15	62	1106	27	0	47	35	0	67	96	0	0	0	1440
07:30-08:30	77	1109	23	0	58	36	0	74	104	0	0	0	1481
07:45-08:45	71	1042	19	0	59	34	0	81	115	0	0	0	1421
08:00-09:00	63	940	18	0	59	30	0	76	100	0	0	0	1286

INTERSECTION TURN MOVEMENT SUMMARY REPORT

File: W0EW



LOCATION:

4TH AVE AT BASELINE ST
CORNELIUS, OR

Date: **09/23/04** Day: **THU**
Time: **09:00 - 11:00**

Report Prepared for:
DKS ASSOCIATES

Surveyed By:
TRAFFIC SMITHY, INC
1225 NW Murray Blvd Suite 111
Portland, OR 97229
Phone: 503-641-6333 Fax: 503-643-8866

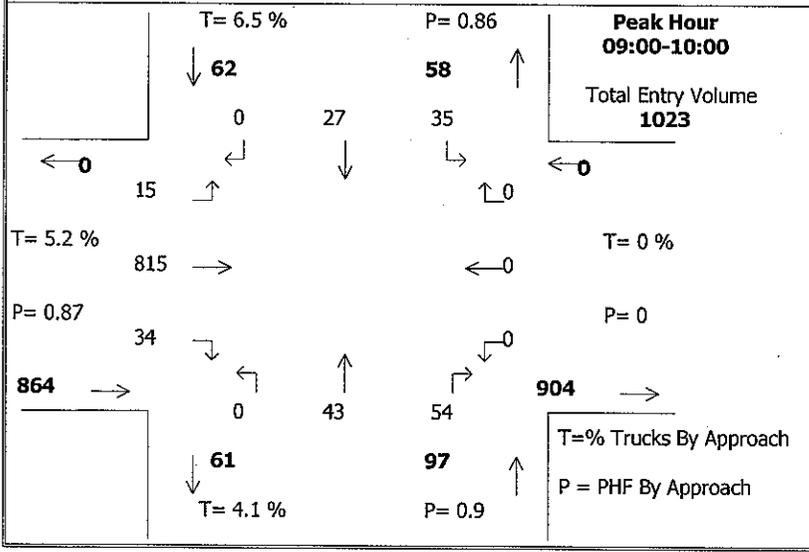
Report Reviewed by: JG

TIME PERIOD	EASTBOUND			SOUTHBOUND			NORTHBOUND			WESTBOUND			ALL
	↙	→	↗	↖	↓	↘	↖	↑	↗	↙	←	↖	
09:00-09:05	4	66	1	0	2	1	0	1	6	0	0	0	81
09:05-09:10	1	83	1	0	4	3	0	2	8	0	0	0	102
09:10-09:15	5	85	3	0	1	3	0	4	5	0	0	0	106
09:15-09:20	1	67	3	0	2	0	0	6	3	0	0	0	82
09:20-09:25	4	64	0	0	3	5	0	5	5	0	0	0	86
09:25-09:30	0	69	3	0	2	1	0	3	5	0	0	0	83
09:30-09:35	2	65	1	0	2	4	0	3	3	0	0	0	80
09:35-09:40	3	54	1	0	4	5	0	3	3	0	0	0	73
09:40-09:45	3	59	0	0	1	2	0	6	8	0	0	0	79
09:45-09:50	6	76	2	0	2	4	0	2	4	0	0	0	96
09:50-09:55	2	72	0	0	2	3	0	4	3	0	0	0	86
09:55-10:00	3	55	0	0	2	4	0	4	1	0	0	0	69
10:00-10:05	2	81	3	0	3	5	0	1	3	0	0	0	98
10:05-10:10	3	71	1	0	1	2	0	0	1	0	0	0	79
10:10-10:15	1	66	1	0	3	3	0	2	6	0	0	0	82
10:15-10:20	3	61	2	0	1	2	0	5	3	0	0	0	77
10:20-10:25	5	80	1	0	0	5	0	2	2	0	0	0	95
10:25-10:30	3	76	0	0	2	2	0	0	3	0	0	0	86
10:30-10:35	0	59	1	0	0	3	0	1	3	0	0	0	67
10:35-10:40	1	83	0	0	2	3	0	3	3	0	0	0	95
10:40-10:45	0	73	0	0	3	3	0	1	1	0	0	0	81
10:45-10:50	2	53	0	0	3	3	0	2	3	0	0	0	66
10:50-10:55	1	72	2	0	2	1	0	0	4	0	0	0	82
10:55-11:00	1	67	1	0	1	2	0	2	1	0	0	0	75

TOTALS	56	1657	27	0	48	69	0	62	87	0	0	0	2006
PHF	0.67	0.88	0.61	0	0.88	0.81	0	0.72	0.8	0	0	0	0.9
% Trucks	0	5.6	0	0	2.1	7.2	0	4.8	1.1	0	0	0	5.1
Stopped Buses	0	0	0	0	0	0	0	0	0	0	0	0	
Pedestrians		5			3			0	0			0	

INTERSECTION TURN MOVEMENT PEAK HOUR REPORT

File: W0EW



LOCATION:

4TH AVE AT BASELINE ST
CORNELIUS, OR

Date: **09/23/04** Day: **THU**
Time: **09:00 - 11:00**

Report Prepared for:
DKS ASSOCIATES

Surveyed By:
TRAFFIC SMITHY, INC
1225 NW Murray Blvd Suite 111
Portland, OR 97229
Phone: 503-641-6333 Fax: 503-643-8866

Report Reviewed by: JG

TIME PERIOD	EASTBOUND			SOUTHBOUND			NORTHBOUND			WESTBOUND			ALL
	↓	→	↗	↖	↓	↘	↖	↑	↗	↖	↗		
ALL VEHICLES													
09:00-09:15	10	234	5	0	7	7	0	7	19	0	0	0	289
09:15-09:30	5	200	6	0	7	6	0	14	13	0	0	0	251
09:30-09:45	8	178	2	0	7	11	0	12	14	0	0	0	232
09:45-10:00	11	203	2	0	6	11	0	10	8	0	0	0	251
LIGHT TRUCKS (SINGLE UNIT 2 AXLES)													
09:00-09:15	0	10	0	0	0	0	0	0	0	0	0	0	10
09:15-09:30	0	7	0	0	0	0	0	1	0	0	0	0	8
09:30-09:45	0	7	0	0	0	2	0	2	0	0	0	0	11
09:45-10:00	0	4	0	0	0	0	0	0	1	0	0	0	5
MEDIUM TRUCKS (SINGLE UNIT >2 AXLES)													
09:00-09:15	0	3	0	0	0	0	0	0	0	0	0	0	3
09:15-09:30	0	4	0	0	0	0	0	0	0	0	0	0	4
09:30-09:45	0	2	0	0	0	0	0	0	0	0	0	0	2
09:45-10:00	0	3	0	0	0	1	0	0	0	0	0	0	4
HEAVY TRUCKS (SEMI-TRACTOR TRAILER)													
09:00-09:15	0	1	0	0	0	1	0	0	0	0	0	0	2
09:15-09:30	0	1	0	0	0	0	0	0	0	0	0	0	1
09:30-09:45	0	2	0	0	0	0	0	0	0	0	0	0	2
09:45-10:00	0	1	0	0	0	0	0	0	0	0	0	0	1
BICYCLES													
09:00-09:15	0	0	0	0	0	0	0	0	0	0	0	0	0
09:15-09:30	0	0	0	0	0	0	0	0	0	0	0	0	0
09:30-09:45	0	0	0	0	0	0	0	0	0	0	0	0	0
09:45-10:00	0	0	0	0	0	0	0	0	0	0	0	0	0
PEDESTRIANS													
Crosswalk	SOUTH			WEST			EAST			NORTH			ALL
09:00-09:15	0			1			0			0			1
09:15-09:30	0			1			0			0			1
09:30-09:45	0			0			0			0			0
09:45-10:00	1			0			0			0			1

Peak Hour By Movement

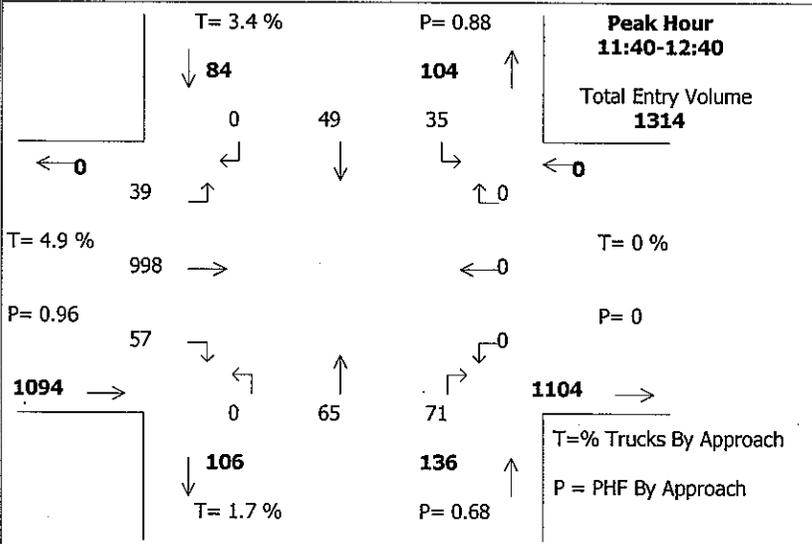
PHF	0.77	0.87	0.63	0	0.96	0.8	0	0.77	0.71	0	0	0	0.88
% Trucks(All)	0	5.5	0	0	0	11.4	0	7	1.9	0	0	0	5.2
% Trucks(M+H)	0	2.1	0	0	0	5.7	0	0	0	0	0	0	1.9
Stopped Buses	0	0	0	0	0	0	0	0	0	0	0	0	0

Hourly Totals

09:00-10:00	34	815	15	0	27	35	0	43	54	0	0	0	1023
09:15-10:15	30	799	15	0	27	38	0	39	45	0	0	0	993
09:30-10:30	36	816	12	0	23	41	0	32	40	0	0	0	1000
09:45-10:45	29	853	11	0	21	39	0	25	33	0	0	0	1011
10:00-11:00	22	842	12	0	21	34	0	19	33	0	0	0	983

INTERSECTION TURN MOVEMENT SUMMARY REPORT

File: W0EX



LOCATION:
4TH AVE AT BASELINE ST
CORNELIUS, OR

Date: **09/23/04** Day: **THU**
Time: **11:00 - 13:00**

Report Prepared for:
DKS ASSOCIATES

Surveyed By:
TRAFFIC SMITHY, INC
1225 NW Murray Blvd Suite 111
Portland, OR 97229
Phone: 503-641-6333 Fax: 503-643-8866

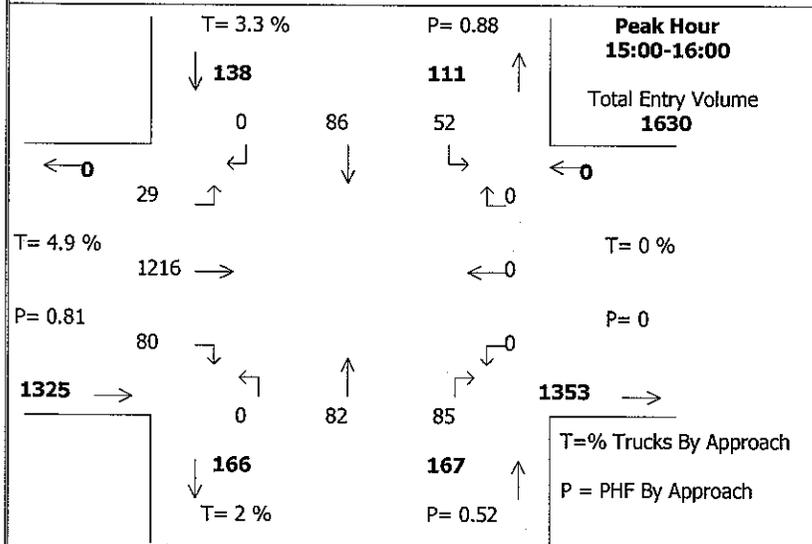
Report Reviewed by: JG

TIME PERIOD	EASTBOUND			SOUTHBOUND			NORTHBOUND			WESTBOUND			ALL
	↘	→	↗	↙	↓	↘	↖	↑	↗	↖	←	↗	
11:00-11:05	6	77	1	0	4	1	0	5	1	0	0	0	95
11:05-11:10	2	91	0	0	6	3	0	5	4	0	0	0	111
11:10-11:15	3	62	2	0	2	4	0	3	4	0	0	0	80
11:15-11:20	3	73	2	0	6	2	0	1	5	0	0	0	92
11:20-11:25	4	85	6	0	6	3	0	7	3	0	0	0	114
11:25-11:30	5	87	4	0	3	4	0	2	4	0	0	0	109
11:30-11:35	3	79	2	0	6	2	0	4	4	0	0	0	100
11:35-11:40	2	81	6	0	7	5	0	4	5	0	0	0	110
11:40-11:45	4	79	3	0	4	2	0	3	8	0	0	0	103
11:45-11:50	9	85	1	0	5	0	0	3	7	0	0	0	110
11:50-11:55	5	74	1	0	5	4	0	7	8	0	0	0	104
11:55-12:00	2	81	3	0	1	6	0	10	8	0	0	0	111
12:00-12:05	6	84	2	0	4	2	0	10	7	0	0	0	115
12:05-12:10	6	82	2	0	2	3	0	1	5	0	0	0	101
12:10-12:15	7	84	1	0	6	3	0	6	3	0	0	0	110
12:15-12:20	2	88	7	0	4	3	0	1	6	0	0	0	111
12:20-12:25	5	86	5	0	3	4	0	8	7	0	0	0	118
12:25-12:30	5	74	4	0	8	2	0	3	5	0	0	0	101
12:30-12:35	1	84	5	0	5	2	0	8	5	0	0	0	110
12:35-12:40	5	97	5	0	2	4	0	5	2	0	0	0	120
12:40-12:45	3	70	0	0	4	5	0	1	5	0	0	0	88
12:45-12:50	3	68	3	0	2	4	0	8	4	0	0	0	92
12:50-12:55	3	86	3	0	5	3	0	4	5	0	0	0	109
12:55-13:00	3	87	3	0	1	6	0	4	4	0	0	0	108

TOTALS	97	1944	71	0	101	77	0	113	119	0	0	0	2522
PHF	0.75	0.97	0.61	0	0.77	0.73	0	0.6	0.77	0	0	0	0.97
% Trucks	1	5.2	1.4	0	1	6.5	0	2.7	0.8	0	0	0	4.5
Stopped Buses	0	1	0	0	0	0	0	0	0	0	0	0	
Pedestrians		2			4			0		0			

INTERSECTION TURN MOVEMENT SUMMARY REPORT

File: WOEY



LOCATION:
4TH AVE AT BASELINE ST
CORNELIUS, OR

Date: **09/23/04** Day: **THU**
Time: **13:00 - 16:00**

Report Prepared for:
DKS ASSOCIATES

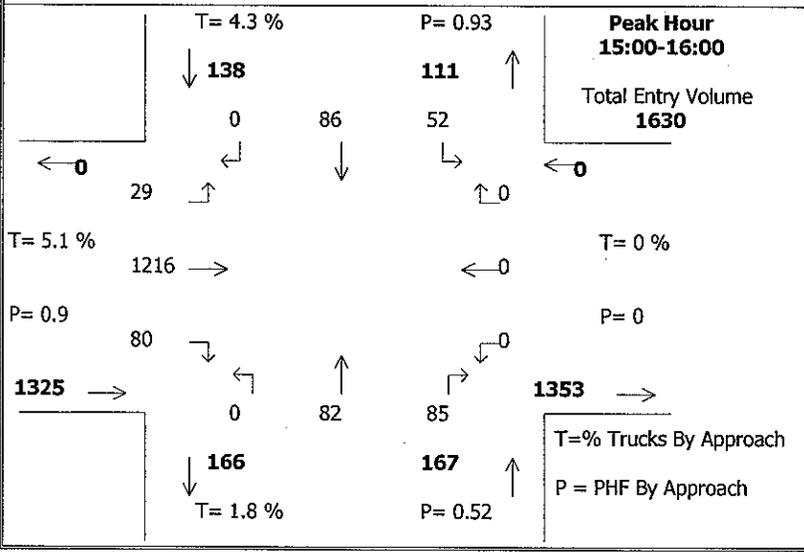
Surveyed By:
TRAFFIC SMITHY, INC
1225 NW Murray Blvd Suite 111
Portland, OR 97229
Phone: 503-641-6333 Fax: 503-643-8866

Report Reviewed by: JG

TIME PERIOD	EASTBOUND			SOUTHBOUND			NORTHBOUND			WESTBOUND			ALL
	↓	→	↗	↖	↓	↘	↖	↑	↗	↖	←	↗	
13:00-13:05	3	90	1	0	3	0	0	1	2	0	0	0	100
13:05-13:10	4	76	3	0	3	5	0	3	4	0	0	0	98
13:10-13:15	10	89	0	0	3	0	0	4	9	0	0	0	115
13:15-13:20	5	89	1	0	6	2	0	1	1	0	0	0	105
13:20-13:25	1	87	2	0	3	3	0	3	5	0	0	0	104
13:25-13:30	4	87	3	0	6	1	0	4	1	0	0	0	106
13:30-13:35	6	54	1	0	7	2	0	4	7	0	0	0	81
13:35-13:40	2	70	2	0	2	2	0	1	3	0	0	0	82
13:40-13:45	6	77	2	0	1	1	0	4	6	0	0	0	97
13:45-13:50	3	105	4	0	4	2	0	3	2	0	0	0	123
13:50-13:55	2	76	4	0	8	1	0	2	7	0	0	0	100
13:55-14:00	4	81	1	0	5	3	0	3	4	0	0	0	101
14:00-14:05	2	84	3	0	4	4	0	1	3	0	0	0	101
14:05-14:10	6	77	2	0	3	0	0	10	2	0	0	0	100
14:10-14:15	3	73	2	0	6	1	0	6	2	0	0	0	93
14:15-14:20	8	88	2	0	0	5	0	2	9	0	0	0	114
14:20-14:25	3	91	3	0	3	2	0	4	2	0	0	0	108
14:25-14:30	3	86	2	0	7	1	0	5	2	0	0	0	106
14:30-14:35	9	81	2	0	7	4	0	1	4	0	0	0	108
14:35-14:40	2	96	4	0	7	5	0	8	2	0	0	0	124
14:40-14:45	2	91	2	0	6	5	0	3	3	0	0	0	112
14:45-14:50	6	85	3	0	5	1	0	6	5	0	0	0	111
14:50-14:55	15	91	4	0	3	3	0	4	2	0	0	0	122
14:55-15:00	11	89	3	0	7	5	0	2	6	0	0	0	123
15:00-15:05	11	86	2	0	9	5	0	12	11	0	0	0	136
15:05-15:10	13	106	1	0	3	4	0	13	19	0	0	0	159
15:10-15:15	7	78	2	0	11	5	0	12	13	0	0	0	128
15:15-15:20	5	90	0	0	4	4	0	3	5	0	0	0	111
15:20-15:25	2	86	3	0	10	5	0	6	5	0	0	0	117
15:25-15:30	2	92	3	0	5	5	0	6	1	0	0	0	114
15:30-15:35	4	94	3	0	7	3	0	2	5	0	0	0	118
15:35-15:40	5	116	4	0	10	3	0	7	3	0	0	0	148
15:40-15:45	8	132	2	0	3	7	0	2	1	0	0	0	155
15:45-15:50	13	123	6	0	9	2	0	6	9	0	0	0	168
15:50-15:55	3	89	0	0	7	3	0	5	9	0	0	0	116
15:55-16:00	7	124	3	0	8	6	0	8	4	0	0	0	160
TOTALS	200	3229	85	0	195	110	0	167	178	0	0	0	4164
PHF	0.65	0.82	0.6	0	0.86	0.93	0	0.55	0.49	0	0	0	0.87
% Trucks	3	5	3.5	0	1	7.3	0	3.6	0.6	0	0	0	4.5
Stopped Buses	0	2	0	0	0	0	0	0	0	0	0	0	
Pedestrians		3			13			2			1		

INTERSECTION TURN MOVEMENT PEAK HOUR REPORT

File: W0EY



LOCATION:

4TH AVE AT BASELINE ST
CORNELIUS, OR

Date: **09/23/04** Day: **THU**
Time: **13:00 - 16:00**

Report Prepared for:
DKS ASSOCIATES

Surveyed By:
TRAFFIC SMITHY, INC
1225 NW Murray Blvd Suite 111
Portland, OR 97229
Phone: 503-641-6333 Fax: 503-643-8866

Report Reviewed by: JG

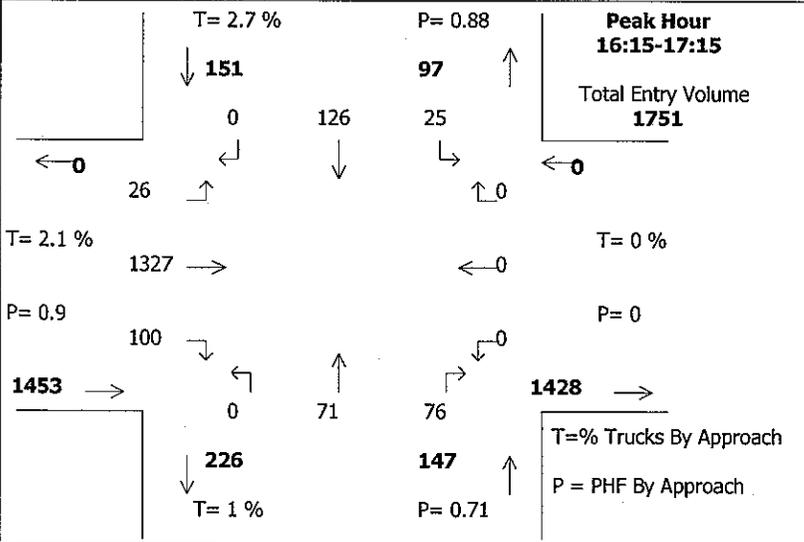
TIME PERIOD	EASTBOUND			SOUTHBOUND			NORTHBOUND			WESTBOUND			ALL
	↘	→	↗	↙	↓	↘	↖	↑	↗	↖	↗		
ALL VEHICLES													
15:00-15:15	31	270	5	0	23	14	0	37	43	0	0	0	423
15:15-15:30	9	268	6	0	19	14	0	15	11	0	0	0	342
15:30-15:45	17	342	9	0	20	13	0	11	9	0	0	0	421
15:45-16:00	23	336	9	0	24	11	0	19	22	0	0	0	444
LIGHT TRUCKS (SINGLE UNIT 2 AXLES)													
15:00-15:15	1	18	0	0	0	2	0	1	0	0	0	0	22
15:15-15:30	0	18	0	0	0	0	0	0	0	0	0	0	18
15:30-15:45	0	8	0	0	1	1	0	2	0	0	0	0	12
15:45-16:00	2	8	0	0	0	0	0	0	0	0	0	0	10
MEDIUM TRUCKS (SINGLE UNIT >2 AXLES)													
15:00-15:15	0	3	0	0	0	2	0	0	0	0	0	0	5
15:15-15:30	0	0	0	0	0	0	0	0	0	0	0	0	0
15:30-15:45	0	2	0	0	0	0	0	0	0	0	0	0	2
15:45-16:00	0	2	0	0	0	0	0	0	0	0	0	0	2
HEAVY TRUCKS (SEMI-TRACTOR TRAILER)													
15:00-15:15	0	1	0	0	0	0	0	0	0	0	0	0	1
15:15-15:30	0	2	0	0	0	0	0	0	0	0	0	0	2
15:30-15:45	0	1	0	0	0	0	0	0	0	0	0	0	1
15:45-16:00	0	1	0	0	0	0	0	0	0	0	0	0	1
BICYCLES													
15:00-15:15	0	1	0	0	1	0	0	1	0	0	1	0	4
15:15-15:30	0	0	0	0	0	0	0	0	0	0	0	0	0
15:30-15:45	0	0	0	0	1	0	0	0	0	0	0	0	1
15:45-16:00	0	2	1	0	0	0	0	0	0	0	0	0	3
PEDESTRIANS													
Crosswalk	SOUTH			WEST			EAST			NORTH			ALL
15:00-15:15	0			0			1			0			1
15:15-15:30	0			1			0			0			1
15:30-15:45	0			0			0			0			0
15:45-16:00	0			8			0			0			8

	PHF	0.65	0.89	0.81	0	0.9	0.93	0	0.55	0.49	0	0	0	0.92
% Trucks(All)	3.8	5.3	0	0	1.2	9.6	0	3.7	0	0	0	0	0	4.7
% Trucks(M+H)	0	1	0	0	0	3.8	0	0	0	0	0	0	0	0.9
Stopped Buses	0	1	0	0	0	0	0	0	0	0	0	0	0	1

Hourly Period	0	29	1216	80	1325	0	82	85	1353	0	0	0	Total
13:00-14:00	50	981	24	0	51	22	0	33	51	0	0	0	1212
13:15-14:15	44	960	27	0	55	22	0	42	43	0	0	0	1193
13:30-14:30	48	962	28	0	50	24	0	45	49	0	0	0	1206
13:45-14:45	47	1029	31	0	60	33	0	48	42	0	0	0	1290
14:00-15:00	70	1032	32	0	58	36	0	52	42	0	0	0	1322
14:15-15:15	90	1068	30	0	68	45	0	72	78	0	0	0	1451
14:30-15:30	85	1071	29	0	77	51	0	76	76	0	0	0	1465
14:45-15:45	89	1145	30	0	77	50	0	75	76	0	0	0	1542
15:00-16:00	80	1216	29	0	86	52	0	82	85	0	0	0	1630

INTERSECTION TURN MOVEMENT SUMMARY REPORT

File: W0EZ



LOCATION:

4TH AVE AT BASELINE ST
CORNELIUS, OR

Date: **09/23/04** Day: **THU**
Time: **16:00 - 18:00**

Report Prepared for:
DKS ASSOCIATES

Surveyed By:
TRAFFIC SMITHY, INC
1225 NW Murray Blvd Suite 111
Portland, OR 97229
Phone: 503-641-6333 Fax: 503-643-8866

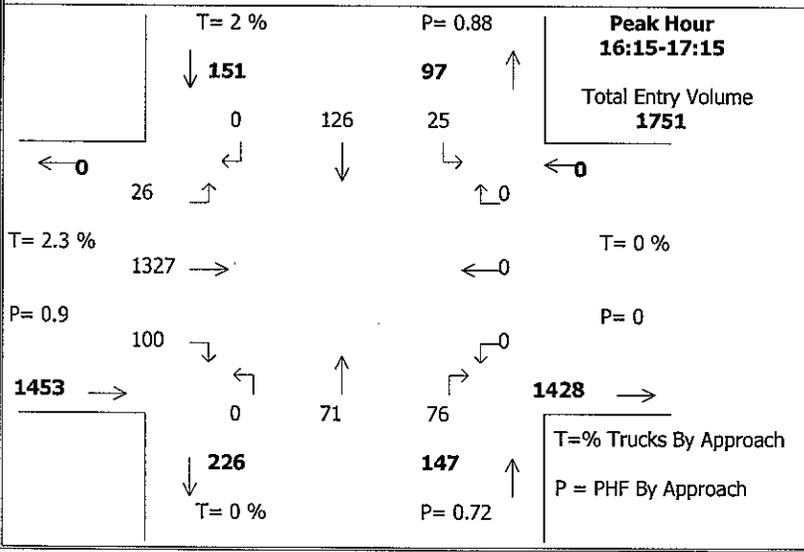
Report Reviewed by: JG

TIME PERIOD	EASTBOUND			SOUTHBOUND			NORTHBOUND			WESTBOUND			ALL
	↓	→	↗	↙	↓	↘	↖	↑	↗	↖	↘		
16:00-16:05	5	110	2	0	4	3	0	2	4	0	0	0	130
16:05-16:10	8	82	4	0	7	2	0	10	11	0	0	0	124
16:10-16:15	11	108	1	0	9	3	0	11	11	0	0	0	154
16:15-16:20	9	128	0	0	9	3	0	7	8	0	0	0	164
16:20-16:25	10	121	0	0	13	4	0	2	7	0	0	0	157
16:25-16:30	7	88	3	0	12	1	0	5	4	0	0	0	120
16:30-16:35	5	131	3	0	8	0	0	4	4	0	0	0	155
16:35-16:40	10	131	4	0	7	4	0	4	8	0	0	0	168
16:40-16:45	11	105	3	0	8	3	0	8	8	0	0	0	146
16:45-16:50	13	111	2	0	11	2	0	12	4	0	0	0	155
16:50-16:55	8	105	2	0	9	1	0	10	10	0	0	0	145
16:55-17:00	8	91	0	0	13	0	0	7	8	0	0	0	127
17:00-17:05	3	84	2	0	10	2	0	5	5	0	0	0	111
17:05-17:10	7	112	3	0	12	2	0	1	2	0	0	0	139
17:10-17:15	9	120	4	0	14	3	0	6	8	0	0	0	164
17:15-17:20	11	100	4	0	10	6	0	4	5	0	0	0	140
17:20-17:25	5	88	3	0	14	1	0	13	6	0	0	0	130
17:25-17:30	7	116	3	0	8	5	0	5	5	0	0	0	149
17:30-17:35	6	87	3	0	8	4	0	7	5	0	0	0	120
17:35-17:40	9	108	2	0	12	0	0	6	3	0	0	0	140
17:40-17:45	9	96	0	0	6	4	0	2	7	0	0	0	124
17:45-17:50	7	100	4	0	8	3	0	5	5	0	0	0	132
17:50-17:55	11	110	0	0	11	2	0	6	16	0	0	0	156
17:55-18:00	2	68	3	0	14	4	0	5	7	0	0	0	103

TOTALS	191	2500	55	0	237	62	0	147	161	0	0	0	3353
PHF	0.74	0.9	0.65	0	0.88	0.69	0	0.59	0.83	0	0	0	0.93
% Trucks	0.5	2.3	1.8	0	2.1	4.8	0	0	1.9	0	0	0	2.1
Stopped Buses	0	4	1	0	0	0	0	0	1	0	0	0	
Pedestrians		2			14			1		0			

INTERSECTION TURN MOVEMENT PEAK HOUR REPORT

File: W0EZ



LOCATION:

4TH AVE AT BASELINE ST
CORNELIUS, OR

Date: **09/23/04** Day: **THU**
Time: **16:00 - 18:00**

Report Prepared for:
DKS ASSOCIATES

Surveyed By:
TRAFFIC SMITHY, INC
1225 NW Murray Blvd Suite 111
Portland, OR 97229
Phone: 503-641-6333 Fax: 503-643-8866

Report Reviewed by: JG

TIME PERIOD	EASTBOUND			SOUTHBOUND			NORTHBOUND			WESTBOUND			ALL
	↓	→	↑	↙	↓	↘	↖	↑	↗	↖	←	↗	
ALL VEHICLES													
16:15-16:30	26	337	3	0	34	8	0	14	19	0	0	0	441
16:30-16:45	26	367	10	0	23	7	0	16	20	0	0	0	469
16:45-17:00	29	307	4	0	33	3	0	29	22	0	0	0	427
17:00-17:15	19	316	9	0	36	7	0	12	15	0	0	0	414
LIGHT TRUCKS (SINGLE UNIT 2 AXLES)													
16:15-16:30	0	8	1	0	1	0	0	0	0	0	0	0	10
16:30-16:45	1	4	0	0	1	0	0	0	0	0	0	0	6
16:45-17:00	0	6	0	0	0	0	0	0	0	0	0	0	6
17:00-17:15	0	1	0	0	1	0	0	0	0	0	0	0	2
MEDIUM TRUCKS (SINGLE UNIT >2 AXLES)													
16:15-16:30	0	4	0	0	0	0	0	0	0	0	0	0	4
16:30-16:45	0	3	0	0	0	0	0	0	0	0	0	0	3
16:45-17:00	0	1	0	0	0	0	0	0	0	0	0	0	1
17:00-17:15	0	0	0	0	0	0	0	0	0	0	0	0	0
HEAVY TRUCKS (SEMI-TRACTOR TRAILER)													
16:15-16:30	0	3	0	0	0	0	0	0	0	0	0	0	3
16:30-16:45	0	1	0	0	0	0	0	0	0	0	0	0	1
16:45-17:00	0	1	0	0	0	0	0	0	0	0	0	0	1
17:00-17:15	0	0	0	0	0	0	0	0	0	0	0	0	0
BICYCLES													
16:15-16:30	0	0	0	0	0	0	0	0	0	0	0	0	0
16:30-16:45	2	0	0	0	0	0	2	0	0	0	0	0	4
16:45-17:00	3	1	0	0	0	0	0	0	0	0	1	0	5
17:00-17:15	0	2	0	0	0	0	3	0	0	0	0	0	5
PEDESTRIANS													
Crosswalk	SOUTH			WEST			EAST			NORTH			ALL
16:15-16:30	0			5			0			0			5
16:30-16:45	1			1			0			0			2
16:45-17:00	1			3			0			0			4
17:00-17:15	0			1			0			0			1

Peak Hour By Movement

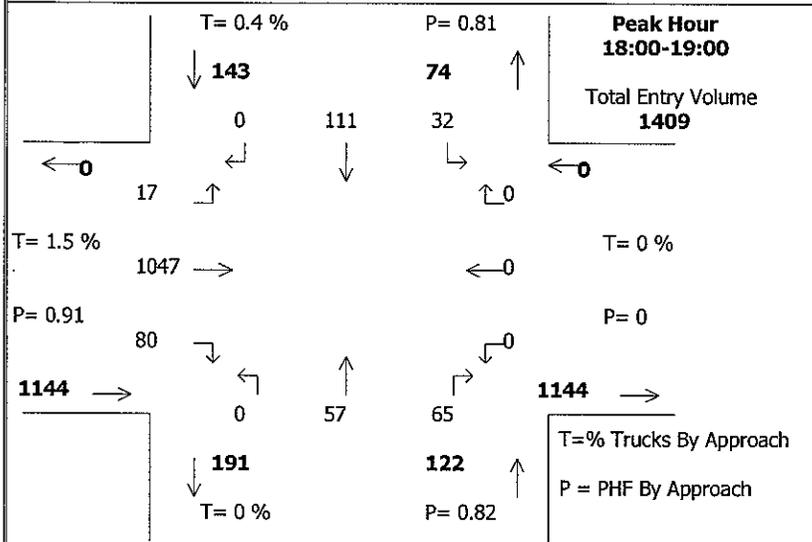
PHF	0.86	0.9	0.65	0	0.88	0.78	0	0.61	0.86	0	0	0	0.93
% Trucks(All)	1	2.4	3.8	0	2.4	0	0	0	0	0	0	0	2.1
% Trucks(M+H)	0	1	0	0	0	0	0	0	0	0	0	0	0.7
Stopped Buses	0	3	0	0	0	0	0	0	0	0	0	0	3

Hourly Totals

16:00-17:00	105	1311	24	0	110	26	0	82	87	0	0	0	1745
16:15-17:15	100	1327	26	0	126	25	0	71	76	0	0	0	1751
16:30-17:30	97	1294	33	0	124	29	0	79	73	0	0	0	1729
16:45-17:45	95	1218	28	0	127	30	0	78	68	0	0	0	1644
17:00-18:00	86	1189	31	0	127	36	0	65	74	0	0	0	1608

INTERSECTION TURN MOVEMENT SUMMARY REPORT

File: W0FA



LOCATION:
4TH AVE AT BASELINE ST
CORNELIUS, OR

Date: **09/23/04** Day: **THU**
Time: **18:00 - 20:00**

Report Prepared for:
DKS ASSOCIATES

Surveyed By:
TRAFFIC SMITHY, INC
1225 NW Murray Blvd Suite 111
Portland, OR 97229
Phone: 503-641-6333 Fax: 503-643-8866

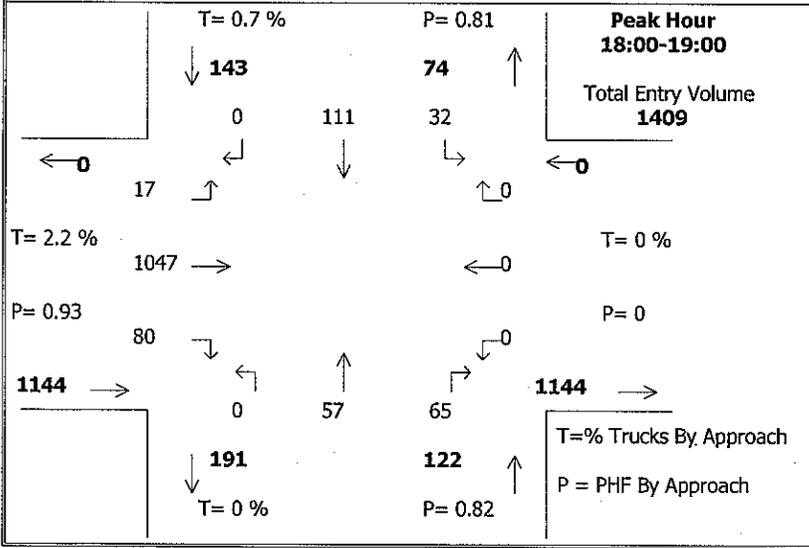
Report Reviewed by: JG

TIME PERIOD	EASTBOUND			SOUTHBOUND			NORTHBOUND			WESTBOUND			ALL
	↓	→	↗	←	↓	↘	←	↑	↖	←	↑		
18:00-18:05	6	80	1	0	6	0	0	5	6	0	0	0	104
18:05-18:10	9	121	0	0	8	2	0	4	5	0	0	0	149
18:10-18:15	11	79	0	0	12	3	0	5	4	0	0	0	114
18:15-18:20	7	84	0	0	12	2	0	4	4	0	0	0	113
18:20-18:25	3	90	0	0	6	7	0	2	6	0	0	0	114
18:25-18:30	4	112	3	0	7	2	0	1	3	0	0	0	132
18:30-18:35	8	95	1	0	13	3	0	7	8	0	0	0	135
18:35-18:40	2	83	1	0	5	2	0	6	6	0	0	0	105
18:40-18:45	10	91	1	0	7	2	0	5	4	0	0	0	120
18:45-18:50	8	59	3	0	12	4	0	2	6	0	0	0	94
18:50-18:55	6	75	2	0	13	1	0	6	7	0	0	0	110
18:55-19:00	6	78	5	0	10	4	0	10	6	0	0	0	119
19:00-19:05	7	56	2	0	7	4	0	9	7	0	0	0	92
19:05-19:10	8	78	2	0	7	8	0	16	4	0	0	0	123
19:10-19:15	5	68	2	0	4	1	0	2	1	0	0	0	83
19:15-19:20	5	72	1	0	5	2	0	3	2	0	0	0	90
19:20-19:25	2	68	3	0	8	4	0	7	5	0	0	0	97
19:25-19:30	8	56	0	0	9	2	0	3	5	0	0	0	83
19:30-19:35	5	63	1	0	5	2	0	7	6	0	0	0	89
19:35-19:40	8	58	0	0	8	1	0	3	2	0	0	0	80
19:40-19:45	11	60	0	0	9	1	0	8	4	0	0	0	93
19:45-19:50	10	65	3	0	2	1	0	7	4	0	0	0	92
19:50-19:55	1	60	2	0	5	1	0	5	4	0	0	0	78
19:55-20:00	5	47	0	0	10	2	0	5	6	0	0	0	75

TOTALS	155	1798	33	0	190	61	0	132	115	0	0	0	2484
PHF	0.74	0.88	0.43	0	0.79	0.67	0	0.79	0.86	0	0	0	0.92
% Trucks	0	1.7	0	0	0	1.6	0	0	0	0	0	0	1.2
Stopped Buses	0	5	1	0	0	0	0	0	1	0	0	0	
Pedestrians		3			16			0		3			

INTERSECTION TURN MOVEMENT PEAK HOUR REPORT

File: WOFA



LOCATION:

4TH AVE AT BASELINE ST
CORNELIUS, OR

Date: 09/23/04 Day: THU
Time: 18:00 - 20:00

Report Prepared for:
DKS ASSOCIATES

Surveyed By:
TRAFFIC SMITHY, INC
1225 NW Murray Blvd Suite 111
Portland, OR 97229
Phone: 503-641-6333 Fax: 503-643-8866

Report Reviewed by: JG

TIME PERIOD	EASTBOUND			SOUTHBOUND			NORTHBOUND			WESTBOUND			ALL
	↓	→	↑	↙	↓	↘	←	↑	↗	←	↑		
ALL VEHICLES													
18:00-18:15	26	280	1	0	26	5	0	14	15	0	0	0	367
18:15-18:30	14	286	3	0	25	11	0	7	13	0	0	0	359
18:30-18:45	20	269	3	0	25	7	0	18	18	0	0	0	360
18:45-19:00	20	212	10	0	35	9	0	18	19	0	0	0	323
LIGHT TRUCKS (SINGLE UNIT 2 AXLES)													
18:00-18:15	0	3	0	0	0	0	0	0	0	0	0	0	3
18:15-18:30	0	9	0	0	0	0	0	0	0	0	0	0	9
18:30-18:45	0	4	0	0	0	0	0	0	0	0	0	0	4
18:45-19:00	0	5	0	0	0	0	0	0	0	0	0	0	5
MEDIUM TRUCKS (SINGLE UNIT >2 AXLES)													
18:00-18:15	0	0	0	0	0	1	0	0	0	0	0	0	1
18:15-18:30	0	0	0	0	0	0	0	0	0	0	0	0	0
18:30-18:45	0	1	0	0	0	0	0	0	0	0	0	0	1
18:45-19:00	0	0	0	0	0	0	0	0	0	0	0	0	0
HEAVY TRUCKS (SEMI-TRACTOR TRAILER)													
18:00-18:15	0	0	0	0	0	0	0	0	0	0	0	0	0
18:15-18:30	0	0	0	0	0	0	0	0	0	0	0	0	0
18:30-18:45	0	1	0	0	0	0	0	0	0	0	0	0	1
18:45-19:00	0	2	0	0	0	0	0	0	0	0	0	0	2
BICYCLES													
18:00-18:15	2	1	0	0	0	0	2	1	0	0	0	1	7
18:15-18:30	0	0	0	0	0	0	1	0	0	0	0	0	1
18:30-18:45	2	0	0	0	1	0	1	0	0	0	0	0	4
18:45-19:00	0	1	0	0	0	0	0	0	0	0	0	0	1
PEDESTRIANS													
Crosswalk	SOUTH			WEST			EAST			NORTH			ALL
18:00-18:15	0			4			0			1			5
18:15-18:30	1			1			0			0			2
18:30-18:45	0			0			0			1			1
18:45-19:00	0			1			0			0			1

Peak Hour By Movement

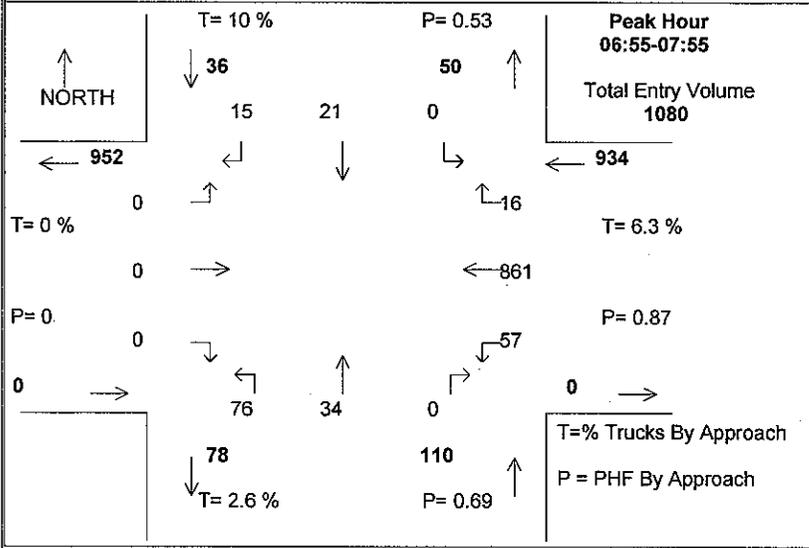
PHF	0.77	0.92	0.43	0	0.79	0.73	0	0.79	0.86	0	0	0	0.96
% Trucks(All)	0	2.4	0	0	0	3.1	0	0	0	0	0	0	1.8
% Trucks(M+H)	0	0.4	0	0	0	3.1	0	0	0	0	0	0	0.4
Stopped Buses	0	2	1	0	0	0	0	0	0	0	0	0	3

Hourly Totals

18:00-19:00	80	1047	17	0	111	32	0	57	65	0	0	0	1409
18:15-19:15	74	969	22	0	103	40	0	70	62	0	0	0	1340
18:30-19:30	75	879	23	0	100	37	0	76	61	0	0	0	1251
18:45-19:45	79	791	21	0	97	34	0	76	55	0	0	0	1153
19:00-20:00	75	751	16	0	79	29	0	75	50	0	0	0	1075

INTERSECTION TURN MOVEMENT SUMMARY REPORT

File: WOET1.mod



LOCATION:
 4TH AVENUE/ ADAIR STREET
 CORNELIUS, OR

Date: **09/23/04** Day: **THU**
 Time: **06:00 - 09:00**

Report Prepared for:
 DKS

Surveyed By:
TRAFFIC SMITHY, INC
 1225 NW MURRAY BLVD
 PORTLAND, OR 97209
 Phone: 503-641-6333 Fax: 503-643-8866

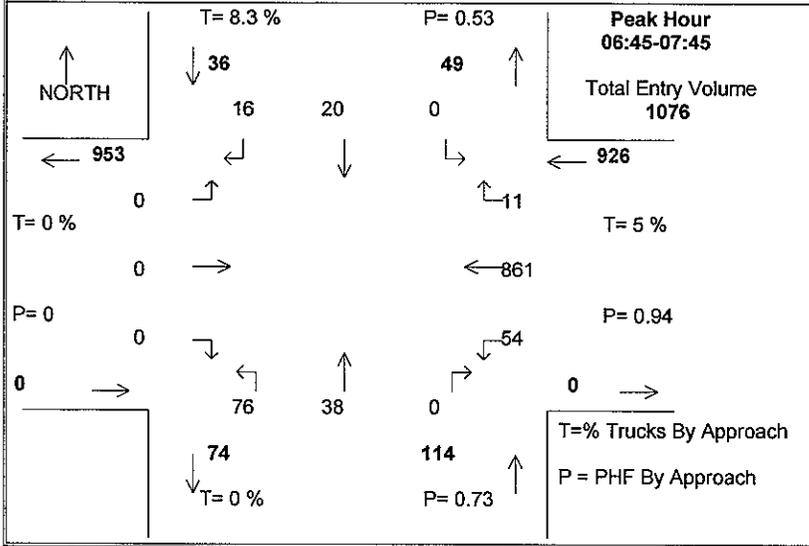
Report Reviewed by: *KH*

TIME PERIOD	EASTBOUND			SOUTHBOUND			NORTHBOUND			WESTBOUND			ALL
	↙	→	↗	↙	↓	↘	↙	↑	↗	↙	←	↖	
06:00-06:05	0	0	0	0	0	0	2	2	0	3	29	2	38
06:05-06:10	0	0	0	0	1	0	4	3	0	5	33	0	46
06:10-06:15	0	0	0	0	0	0	2	0	0	0	36	3	41
06:15-06:20	0	0	0	0	1	0	3	4	0	3	38	0	49
06:20-06:25	0	0	0	0	2	0	1	3	0	3	54	0	63
06:25-06:30	0	0	0	1	1	0	6	5	0	2	33	1	49
06:30-06:35	0	0	0	0	0	0	1	3	0	4	59	1	68
06:35-06:40	0	0	0	2	0	0	8	4	0	1	36	3	54
06:40-06:45	0	0	0	5	2	0	7	4	0	2	54	1	75
06:45-06:50	0	0	0	3	2	0	6	3	0	6	76	1	97
06:50-06:55	0	0	0	0	1	0	8	5	0	4	58	1	77
06:55-07:00	0	0	0	0	2	0	12	5	0	7	92	0	118
07:00-07:05	0	0	0	1	2	0	7	5	0	8	76	2	101
07:05-07:10	0	0	0	2	1	0	8	3	0	3	68	1	86
07:10-07:15	0	0	0	0	0	0	4	3	0	7	64	1	79
07:15-07:20	0	0	0	1	3	0	9	1	0	1	70	0	85
07:20-07:25	0	0	0	0	0	0	5	1	0	3	53	1	63
07:25-07:30	0	0	0	1	0	0	6	3	0	1	79	2	92
07:30-07:35	0	0	0	1	2	0	2	2	0	3	50	2	62
07:35-07:40	0	0	0	4	5	0	7	4	0	3	85	0	108
07:40-07:45	0	0	0	3	2	0	2	3	0	8	90	0	108
07:45-07:50	0	0	0	1	1	0	6	2	0	7	71	5	93
07:50-07:55	0	0	0	1	3	0	8	2	0	6	63	2	85
07:55-08:00	0	0	0	1	2	0	7	4	0	0	72	1	87
08:00-08:05	0	0	0	3	1	0	4	2	0	6	68	1	85
08:05-08:10	0	0	0	3	1	0	8	1	0	7	55	1	76
08:10-08:15	0	0	0	0	1	0	2	1	0	9	42	0	55
08:15-08:20	0	0	0	0	1	0	8	3	0	8	65	2	87
08:20-08:25	0	0	0	3	2	0	10	5	0	9	50	0	79
08:25-08:30	0	0	0	4	2	0	2	1	0	5	56	0	70
08:30-08:35	0	0	0	3	2	0	8	1	0	5	42	0	61
08:35-08:40	0	0	0	3	2	0	11	0	0	4	74	1	95
08:40-08:45	0	0	0	0	1	0	5	4	0	4	78	2	94
08:45-08:50	0	0	0	0	1	0	9	0	0	7	74	3	94
08:50-08:55	0	0	0	4	1	0	2	1	0	3	78	1	90
08:55-09:00	0	0	0	1	1	0	5	6	0	4	55	1	73

TOTALS	0	0	0	51	49	0	205	99	0	161	2176	42	2783
PHF	0	0	0	0.47	0.58	0	0.7	0.65	0	0.68	0.88	0.57	0.87
% Trucks	0	0	0	7.8	12.2	0	2.4	3	0	1.9	6.4	14.3	6
Stopped Buses	0	0	0	0	0	0	0	0	0	0	0	0	0
Pedestrians		0			3			1			6		

INTERSECTION TURN MOVEMENT PEAK HOUR REPORT

File: WOET1.mod



LOCATION:

4TH AVENUE/ ADAIR STREET
CORNELIUS, OR

Date: **09/23/04** Day: **THU**
Time: **06:00 - 09:00**

Report Prepared for:
DKS

Surveyed By:
TRAFFIC SMITHY, INC
1225 NW MURRAY BLVD
PORTLAND, OR 97209
Phone: 503-641-6333 Fax: 503-643-8866

Report Reviewed by: KH

TIME PERIOD	EASTBOUND			SOUTHBOUND			NORTHBOUND			WESTBOUND			ALL
	↘	→	↗	↙	↓	↘	↖	↑	↗	↖	↗		
ALL VEHICLES													
06:45-07:00	0	0	0	3	5	0	26	13	0	17	226	2	292
07:00-07:15	0	0	0	3	3	0	19	11	0	18	208	4	266
07:15-07:30	0	0	0	2	3	0	20	5	0	5	202	3	240
07:30-07:45	0	0	0	8	9	0	11	9	0	14	225	2	278
LIGHT TRUCKS (SINGLE UNIT 2 AXLES)													
06:45-07:00	0	0	0	0	0	0	0	0	0	0	2	0	2
07:00-07:15	0	0	0	0	0	0	0	0	0	0	6	1	7
07:15-07:30	0	0	0	0	1	0	0	0	0	0	6	0	7
07:30-07:45	0	0	0	0	2	0	0	0	0	0	10	1	13
MEDIUM TRUCKS (SINGLE UNIT >2 AXLES)													
06:45-07:00	0	0	0	0	0	0	0	0	0	0	1	0	1
07:00-07:15	0	0	0	0	0	0	0	0	0	0	1	0	1
07:15-07:30	0	0	0	0	0	0	0	0	0	0	2	0	2
07:30-07:45	0	0	0	0	0	0	0	0	0	0	3	0	3
HEAVY TRUCKS (SEMI-TRACTOR TRAILER)													
06:45-07:00	0	0	0	0	0	0	0	0	0	0	2	0	2
07:00-07:15	0	0	0	0	0	0	0	0	0	0	1	0	1
07:15-07:30	0	0	0	0	0	0	0	0	0	0	5	0	5
07:30-07:45	0	0	0	0	0	0	0	0	0	0	5	0	5
BICYCLES													
06:45-07:00	0	0	0	0	0	0	0	1	0	0	1	0	2
07:00-07:15	0	0	0	0	0	0	0	0	0	0	0	0	0
07:15-07:30	0	1	0	1	0	0	0	1	0	0	1	1	5
07:30-07:45	0	0	0	0	0	0	0	1	0	0	1	0	2
PEDESTRIANS													
Crosswalk	SOUTH			WEST			EAST			NORTH			ALL
06:45-07:00	0	0	0	0	0	0	0	0	0	0	0	0	0
07:00-07:15	0	0	0	0	0	0	0	1	0	0	1	0	2
07:15-07:30	0	0	0	0	1	0	0	0	0	0	2	0	3
07:30-07:45	0	0	0	0	0	0	0	0	0	0	0	0	0

Peak Hour By Movement

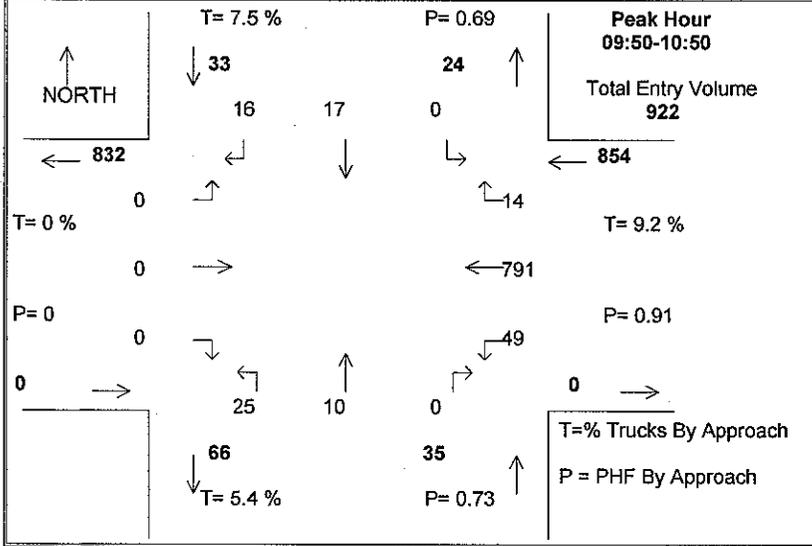
PHF	0	0	0	0.5	0.56	0	0.73	0.73	0	0.75	0.95	0.69	0.92
% Trucks(All)	0	0	0	0	15	0	0	0	0	0	5.1	18.2	4.6
% Trucks(M+H)	0	0	0	0	0	0	0	0	0	0	2.3	0	1.9
Stopped Buses	0	0	0	0	0	0	0	0	0	0	0	0	0

Hourly Totals

06:00-07:00	0	0	0	11	12	0	60	41	0	40	598	13	775
06:15-07:15	0	0	0	14	14	0	71	47	0	50	708	12	916
06:30-07:30	0	0	0	15	13	0	81	40	0	47	785	14	995
06:45-07:45	0	0	0	16	20	0	76	38	0	54	861	11	1076
07:00-08:00	0	0	0	16	21	0	71	33	0	50	841	17	1049
07:15-08:15	0	0	0	19	21	0	66	26	0	54	798	15	999
07:30-08:30	0	0	0	24	23	0	66	30	0	71	767	14	995
07:45-08:45	0	0	0	22	19	0	79	26	0	70	736	15	967
08:00-09:00	0	0	0	24	16	0	74	25	0	71	737	12	959

INTERSECTION TURN MOVEMENT SUMMARY REPORT

File: W0EQ.TM1



LOCATION:
4TH AVENUE/ ADAIR STREET
CORNELIUS, OR

Date: **09/23/04** Day: **THU**
Time: **09:00 - 11:00**

Report Prepared for:
DKS

Surveyed By:
TRAFFIC SMITHY, INC
1225 NW MURRAY BLVD
PORTLAND, OR 97209
Phone: 503-641-6333 Fax: 503-643-8866

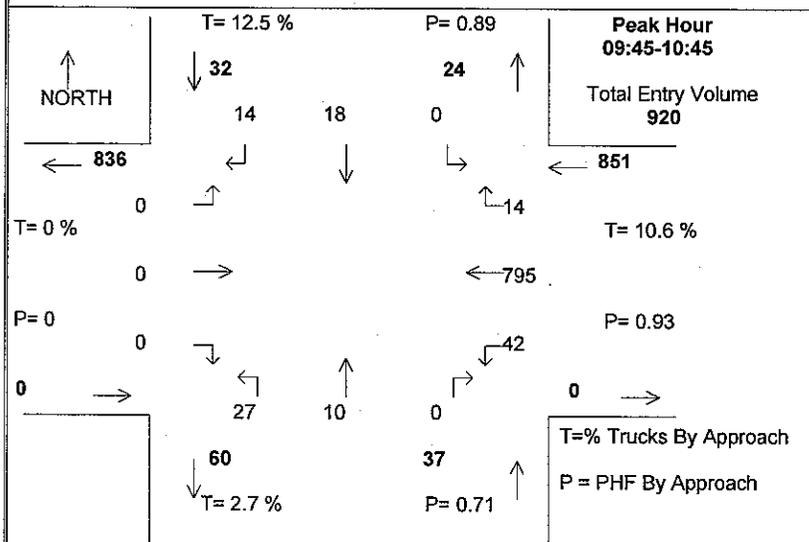
Report Reviewed by: *KH*

TIME PERIOD	EASTBOUND			SOUTHBOUND			NORTHBOUND			WESTBOUND			ALL
	↓	→	↗	↖	↓	↘	↖	↑	↗	↖	←	↗	
09:00-09:05	0	0	0	4	0	0	5	4	0	5	48	1	67
09:05-09:10	0	0	0	1	1	0	3	1	0	3	74	0	83
09:10-09:15	0	0	0	0	2	0	1	1	0	3	50	1	58
09:15-09:20	0	0	0	0	0	0	4	3	0	4	73	2	86
09:20-09:25	0	0	0	0	1	0	7	2	0	1	52	1	64
09:25-09:30	0	0	0	2	1	0	5	1	0	7	62	1	79
09:30-09:35	0	0	0	1	1	0	1	3	0	3	54	0	63
09:35-09:40	0	0	0	0	0	0	3	1	0	7	58	2	71
09:40-09:45	0	0	0	1	1	0	4	0	0	8	67	1	82
09:45-09:50	0	0	0	0	1	0	3	0	0	1	64	1	70
09:50-09:55	0	0	0	3	3	0	3	1	0	7	63	2	82
09:55-10:00	0	0	0	0	2	0	6	0	0	3	52	1	64
10:00-10:05	0	0	0	1	3	0	2	0	0	1	67	1	75
10:05-10:10	0	0	0	0	1	0	2	2	0	8	47	1	61
10:10-10:15	0	0	0	2	1	0	0	0	0	4	76	0	83
10:15-10:20	0	0	0	0	2	0	2	1	0	4	68	1	78
10:20-10:25	0	0	0	1	0	0	4	3	0	4	75	2	89
10:25-10:30	0	0	0	3	1	0	1	1	0	3	70	1	80
10:30-10:35	0	0	0	3	3	0	0	0	0	2	69	1	78
10:35-10:40	0	0	0	0	1	0	1	2	0	1	65	1	71
10:40-10:45	0	0	0	1	0	0	3	0	0	4	79	2	89
10:45-10:50	0	0	0	2	0	0	1	0	0	8	60	1	72
10:50-10:55	0	0	0	1	0	0	2	1	0	1	60	0	65
10:55-11:00	0	0	0	0	2	0	2	0	0	2	66	1	73

TOTALS	0	0	0	26	27	0	65	27	0	94	1519	25	1783
PHF	0	0	0	0.57	0.53	0	0.57	0.5	0	0.77	0.9	0.88	0.92
% Trucks	0	0	0	11.5	3.7	0	4.6	7.4	0	8.5	9.3	8	9
Stopped Buses	0	0	0	0	0	0	0	0	0	0	0	0	0
Pedestrians		4			2			0			1		

INTERSECTION TURN MOVEMENT PEAK HOUR REPORT

File: W0EQ.TM1



LOCATION:

4TH AVENUE/ ADAIR STREET
CORNELIUS, OR

Date: 09/23/04 Day: THU
Time: 09:00 - 11:00

Report Prepared for:
DKS

Surveyed By:
TRAFFIC SMITHY, INC
1225 NW MURRAY BLVD
PORTLAND, OR 97209
Phone: 503-641-6333 Fax: 503-643-8866

Report Reviewed by: KH

TIME PERIOD	EASTBOUND			SOUTHBOUND			NORTHBOUND			WESTBOUND			ALL
	↘	→	↗	↙	↓	↘	↖	↑	↗	↙	←	↖	
ALL VEHICLES													
09:45-10:00	0	0	0	3	6	0	12	1	0	11	179	4	216
10:00-10:15	0	0	0	3	5	0	4	2	0	13	190	2	219
10:15-10:30	0	0	0	4	3	0	7	5	0	11	213	4	247
10:30-10:45	0	0	0	4	4	0	4	2	0	7	213	4	238
LIGHT TRUCKS (SINGLE UNIT 2 AXLES)													
09:45-10:00	0	0	0	1	0	0	0	0	0	0	12	0	13
10:00-10:15	0	0	0	1	0	0	0	0	0	0	8	1	10
10:15-10:30	0	0	0	0	0	0	0	0	0	1	12	0	13
10:30-10:45	0	0	0	1	0	0	0	1	0	1	10	0	13
MEDIUM TRUCKS (SINGLE UNIT >2 AXLES)													
09:45-10:00	0	0	0	0	0	0	0	0	0	2	14	1	17
10:00-10:15	0	0	0	0	0	0	0	0	0	0	10	0	10
10:15-10:30	0	0	0	0	0	0	0	0	0	0	10	0	10
10:30-10:45	0	0	0	0	0	0	0	0	0	0	5	0	5
HEAVY TRUCKS (SEMI-TRACTOR TRAILER)													
09:45-10:00	0	0	0	0	0	0	0	0	0	0	1	0	1
10:00-10:15	0	0	0	0	0	0	0	0	0	0	0	0	0
10:15-10:30	0	0	0	0	0	0	0	0	0	0	1	0	1
10:30-10:45	0	0	0	0	1	0	0	0	0	0	1	0	2
BICYCLES													
09:45-10:00	0	0	0	0	0	0	0	0	0	0	0	0	0
10:00-10:15	0	1	0	1	0	0	0	0	0	0	1	0	3
10:15-10:30	0	0	0	0	0	0	0	0	0	0	1	0	1
10:30-10:45	0	0	0	0	0	0	0	0	0	0	0	0	0
PEDESTRIANS													
Crosswalk	SOUTH			WEST			EAST			NORTH			ALL
09:45-10:00	0	0	0	0	0	0	0	0	0	0	0	0	0
10:00-10:15	0	0	0	0	0	0	0	0	0	0	0	0	0
10:15-10:30	0	0	0	0	0	0	0	0	0	0	0	0	0
10:30-10:45	0	0	0	0	0	0	0	0	0	0	0	0	0

Peak Hour By Movement

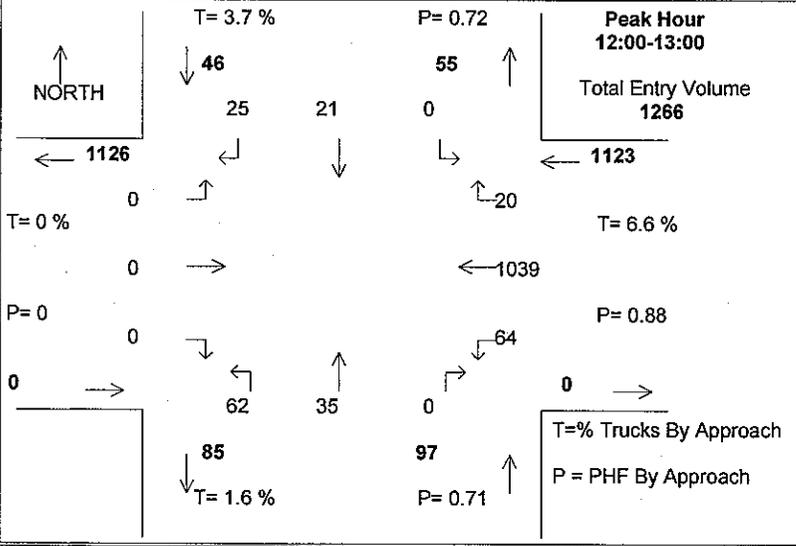
PHF	0	0	0	0.88	0.75	0	0.56	0.5	0	0.81	0.93	0.88	0.93
% Trucks(All)	0	0	0	21.4	5.6	0	0	10	0	9.5	10.6	14.3	10.3
% Trucks(M+H)	0	0	0	0	5.6	0	0	0	0	4.8	5.3	7.1	5
Stopped Buses	0	0	0	0	0	0	0	0	0	0	0	0	0

Hourly Totals

09:00-10:00	0	0	0	12	13	0	45	17	0	52	717	13	869
09:15-10:15	0	0	0	10	15	0	40	13	0	54	735	13	880
09:30-10:30	0	0	0	12	16	0	31	12	0	53	761	13	898
09:45-10:45	0	0	0	14	18	0	27	10	0	42	795	14	920
10:00-11:00	0	0	0	14	14	0	20	10	0	42	802	12	914

INTERSECTION TURN MOVEMENT SUMMARY REPORT

File: W0er.TM1



LOCATION:
4TH AVENUE/ ADAIR STREET
CORNELIUS, OR

Date: 09/23/04 **Day: THU**
Time: 11:00 - 13:00

Report Prepared for:
 DKS

Surveyed By:
TRAFFIC SMITHY, INC
 1225 NW MURRAY BLVD
 PORTLAND, OR 97209
 Phone: 503-641-6333 Fax: 503-643-8866

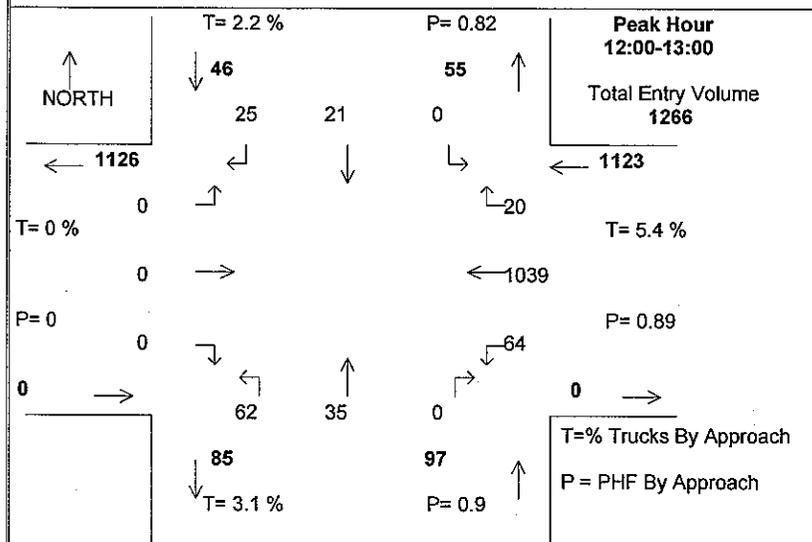
Report Reviewed by: KH

TIME PERIOD	EASTBOUND			SOUTHBOUND			NORTHBOUND			WESTBOUND			ALL
	↓	→	↗	↙	↓	↘	↖	↑	↗	↖	↗		
11:00-11:05	0	0	0	0	0	0	3	3	0	7	63	1	77
11:05-11:10	0	0	0	1	2	0	4	1	0	8	71	1	88
11:10-11:15	0	0	0	2	1	0	2	2	0	4	71	1	83
11:15-11:20	0	0	0	0	1	0	3	2	0	5	72	2	85
11:20-11:25	0	0	0	0	1	0	10	3	0	9	72	1	96
11:25-11:30	0	0	0	2	2	0	2	2	0	6	83	1	98
11:30-11:35	0	0	0	0	1	0	4	3	0	6	63	2	79
11:35-11:40	0	0	0	4	1	0	3	7	0	10	93	0	118
11:40-11:45	0	0	0	1	3	0	2	3	0	3	81	1	94
11:45-11:50	0	0	0	3	0	0	3	2	0	9	80	1	98
11:50-11:55	0	0	0	5	2	0	9	0	0	2	57	3	78
11:55-12:00	0	0	0	3	0	0	8	4	0	11	67	1	94
12:00-12:05	0	0	0	1	1	0	11	1	0	1	82	2	99
12:05-12:10	0	0	0	3	2	0	3	1	0	3	57	1	70
12:10-12:15	0	0	0	4	1	0	5	1	0	8	94	1	114
12:15-12:20	0	0	0	2	2	0	1	5	0	6	101	1	118
12:20-12:25	0	0	0	5	2	0	8	6	0	7	99	2	129
12:25-12:30	0	0	0	1	2	0	3	4	0	8	91	2	111
12:30-12:35	0	0	0	4	1	0	10	3	0	5	72	2	97
12:35-12:40	0	0	0	1	2	0	6	4	0	5	87	3	108
12:40-12:45	0	0	0	0	2	0	2	0	0	4	78	2	88
12:45-12:50	0	0	0	0	4	0	7	3	0	4	88	2	108
12:50-12:55	0	0	0	2	1	0	4	3	0	7	103	1	121
12:55-13:00	0	0	0	2	1	0	2	4	0	6	87	1	103

TOTALS	0	0	0	46	35	0	115	67	0	144	1912	35	2354
PHF	0	0	0	0.57	0.66	0	0.74	0.58	0	0.76	0.88	0.71	0.88
% Trucks	0	0	0	2.2	5.7	0	0.9	3	0	4.2	6.7	11.4	6.1
Stopped Buses	0	0	0	0	0	0	0	0	0	0	0	0	0
Pedestrians		3			3			0			5		

INTERSECTION TURN MOVEMENT PEAK HOUR REPORT

File: W0er.TM1



LOCATION:
4TH AVENUE/ ADAIR STREET
CORNELIUS, OR

Date: 09/23/04 **Day: THU**
Time: 11:00 - 13:00

Report Prepared for:
 DKS

Surveyed By:
TRAFFIC SMITHY, INC
 1225 NW MURRAY BLVD
 PORTLAND, OR 97209
 Phone: 503-641-6333 Fax: 503-643-8866

Report Reviewed by: KH

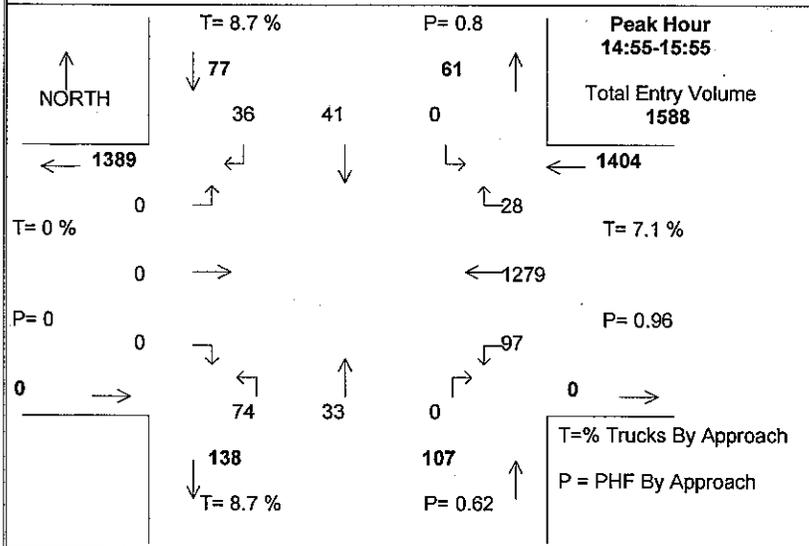
TIME PERIOD	EASTBOUND			SOUTHBOUND			NORTHBOUND			WESTBOUND			ALL
	↘	→	↗	↙	↓	↘	↖	↑	↗	↖	↗		
ALL VEHICLES													
12:00-12:15	0	0	0	8	4	0	19	3	0	12	233	4	283
12:15-12:30	0	0	0	8	6	0	12	15	0	21	291	5	358
12:30-12:45	0	0	0	5	5	0	18	7	0	14	237	7	293
12:45-13:00	0	0	0	4	6	0	13	10	0	17	278	4	332
LIGHT TRUCKS (SINGLE UNIT 2 AXLES)													
12:00-12:15	0	0	0	0	0	0	0	0	0	1	4	0	5
12:15-12:30	0	0	0	0	0	0	0	1	0	0	11	0	12
12:30-12:45	0	0	0	0	0	0	1	0	0	0	8	3	12
12:45-13:00	0	0	0	0	1	0	0	1	0	0	9	0	11
MEDIUM TRUCKS (SINGLE UNIT >2 AXLES)													
12:00-12:15	0	0	0	0	0	0	0	0	0	0	8	0	8
12:15-12:30	0	0	0	0	0	0	0	0	0	0	8	0	8
12:30-12:45	0	0	0	0	0	0	0	0	0	0	6	0	6
12:45-13:00	0	0	0	0	0	0	0	0	0	0	2	0	2
HEAVY TRUCKS (SEMI-TRACTOR TRAILER)													
12:00-12:15	0	0	0	0	0	0	0	0	0	0	0	0	0
12:15-12:30	0	0	0	0	0	0	0	0	0	0	0	0	0
12:30-12:45	0	0	0	0	0	0	0	0	0	0	1	0	1
12:45-13:00	0	0	0	0	0	0	0	0	0	0	0	0	0
BICYCLES													
12:00-12:15	0	0	0	0	0	0	0	0	0	0	1	0	1
12:15-12:30	0	0	0	0	0	0	0	0	0	0	0	0	0
12:30-12:45	0	0	0	0	1	0	0	0	0	0	0	0	1
12:45-13:00	0	1	0	0	0	0	0	0	0	0	0	0	1
PEDESTRIANS													
Crosswalk	SOUTH			WEST			EAST			NORTH			ALL
12:00-12:15	0	0	0	0	0	0	0	0	0	1	0	0	1
12:15-12:30	0	0	0	3	0	0	0	0	0	4	0	0	7
12:30-12:45	0	0	0	0	0	0	0	0	0	0	0	0	0
12:45-13:00	1	0	0	0	0	0	0	0	0	0	0	0	1

Peak Hour By Movement	SOUTH	WEST	EAST	NORTH	ALL
PHF	0	0.78	0.88	0.82	0.58
% Trucks(All)	0	0	4.8	1.6	5.7
% Trucks(M+H)	0	0	0	0	2.4
Stopped Buses	0	0	0	0	0

Hourly Totals	SOUTH	WEST	EAST	NORTH	ALL
11:00-12:00	0	21	14	0	53
11:15-12:15	0	26	15	0	63
11:30-12:30	0	32	17	0	60
11:45-12:45	0	32	17	0	69
12:00-13:00	0	25	21	0	62

INTERSECTION TURN MOVEMENT SUMMARY REPORT

File: Woes23.tm1



LOCATION:

4TH AVENUE/ ADAIR STREET
CORNELIUS, OR

Date: 09/23/04 Day: THU
Time: 13:00 - 16:00

Report Prepared for:
DKS

Surveyed By:
TRAFFIC SMITHY, INC
1225 NW MURRAY BLVD
PORTLAND, OR 97209
Phone: 503-641-6333 Fax: 503-643-8866

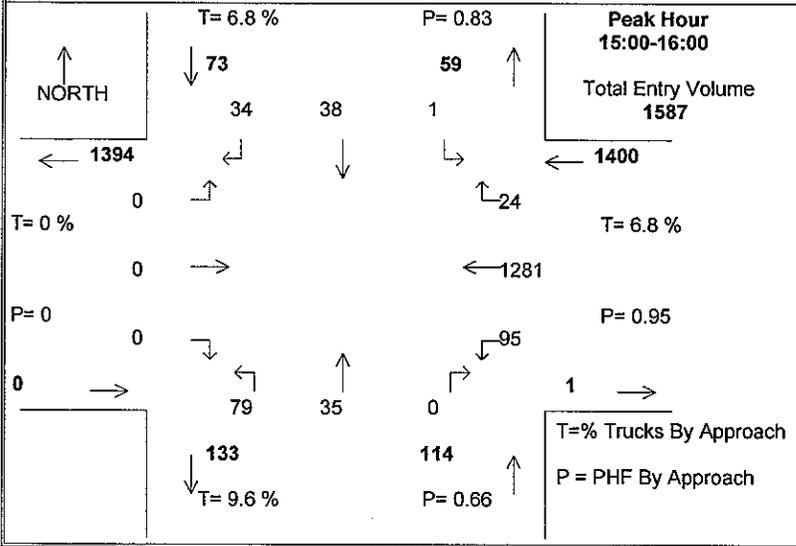
Report Reviewed by: KH

TIME PERIOD	EASTBOUND			SOUTHBOUND			NORTHBOUND			WESTBOUND			ALL
	↘	→	↗	↙	↓	↘	↖	↑	↗	↖	↗		
13:00-13:05	0	0	0	3	1	0	3	0	0	2	67	2	78
13:05-13:10	0	0	0	2	4	0	2	3	0	6	90	1	108
13:10-13:15	0	0	0	3	0	0	3	0	0	1	85	0	92
13:15-13:20	0	0	0	1	2	0	2	1	0	6	98	3	113
13:20-13:25	0	0	0	1	1	0	3	2	0	4	87	1	99
13:25-13:30	0	0	0	2	3	0	4	3	0	5	94	1	112
13:30-13:35	0	0	0	2	0	0	3	1	0	8	77	2	93
13:35-13:40	0	0	0	3	0	0	4	2	0	4	68	3	84
13:40-13:45	0	0	0	1	1	0	5	2	0	2	88	1	100
13:45-13:50	0	0	0	1	1	0	4	2	0	4	95	2	109
13:50-13:55	0	0	0	5	1	0	3	3	0	9	84	0	105
13:55-14:00	0	0	0	3	1	0	4	1	0	7	78	0	94
14:00-14:05	0	0	0	2	2	0	1	3	0	6	86	2	102
14:05-14:10	0	0	0	1	0	0	5	3	0	3	89	0	101
14:10-14:15	0	0	0	5	1	0	10	2	0	6	95	3	122
14:15-14:20	0	0	0	1	1	0	3	1	0	6	93	4	109
14:20-14:25	0	0	0	1	1	0	4	4	0	4	96	0	110
14:25-14:30	0	0	0	5	0	0	6	1	0	9	118	1	140
14:30-14:35	0	0	0	2	4	0	4	3	0	6	83	0	102
14:35-14:40	0	0	0	4	3	0	9	6	0	8	98	2	130
14:40-14:45	0	0	0	1	3	0	2	3	0	8	84	3	104
14:45-14:50	0	0	0	4	0	0	4	4	0	6	107	0	125
14:50-14:55	0	0	0	4	3	0	5	3	0	4	104	0	123
14:55-15:00	0	0	0	3	6	0	2	2	0	10	98	6	127
15:00-15:05	0	0	0	0	4	0	8	3	0	4	109	4	132
15:05-15:10	0	0	0	2	4	0	16	2	0	6	83	0	113
15:10-15:15	0	0	0	3	4	0	11	3	0	9	104	4	138
15:15-15:20	0	0	0	3	4	0	3	0	0	12	117	2	141
15:20-15:25	0	0	0	5	1	0	7	2	0	7	112	0	134
15:25-15:30	0	0	0	1	3	0	4	5	0	8	101	0	122
15:30-15:35	0	0	0	3	1	0	1	4	0	10	85	3	107
15:35-15:40	0	0	0	4	5	0	5	3	0	8	137	3	165
15:40-15:45	0	0	0	5	4	0	5	2	0	3	98	3	120
15:45-15:50	0	0	0	4	2	0	7	6	0	13	85	1	118
15:50-15:55	0	0	0	3	3	0	5	1	0	7	150	2	171
15:55-16:00	0	0	0	1	3	1	7	4	0	8	100	2	126

TOTALS	0	0	0	94	77	1	174	90	0	229	3443	61	4169
PHF	0	0	0	0.69	0.73	0	0.53	0.69	0	0.87	0.96	0.7	0.96
% Trucks	0	0	0	7.4	10.4	0	6.9	12.2	0	3.9	7.2	9.8	7.2
Stopped Buses	0	0	0	0	0	0	0	0	0	0	0	0	0
Pedestrians		2			16			1			10		

INTERSECTION TURN MOVEMENT PEAK HOUR REPORT

File: Woes23.tm1



LOCATION:
4TH AVENUE/ ADAIR STREET
CORNELIUS, OR

Date: 09/23/04 Day: THU
Time: 13:00 - 16:00

Report Prepared for:
DKS

Surveyed By:
TRAFFIC SMITHY, INC
1225 NW MURRAY BLVD
PORTLAND, OR 97209
Phone: 503-641-6333 Fax: 503-643-8866

Report Reviewed by: KH

TIME PERIOD	EASTBOUND			SOUTHBOUND			NORTHBOUND			WESTBOUND			ALL
	↘	→	↗	↙	↓	↘	↖	↑	↗	↖	↗		
ALL VEHICLES													
15:00-15:15	0	0	0	5	12	0	35	8	0	19	296	8	383
15:15-15:30	0	0	0	9	8	0	14	7	0	27	330	2	397
15:30-15:45	0	0	0	12	10	0	11	9	0	21	320	9	392
15:45-16:00	0	0	0	8	8	1	19	11	0	28	335	5	415
LIGHT TRUCKS (SINGLE UNIT 2 AXLES)													
15:00-15:15	0	0	0	0	1	0	3	0	0	1	22	1	28
15:15-15:30	0	0	0	0	0	0	0	1	0	0	20	0	21
15:30-15:45	0	0	0	1	1	0	2	2	0	1	12	0	19
15:45-16:00	0	0	0	0	0	0	1	0	0	0	19	0	20
MEDIUM TRUCKS (SINGLE UNIT >2 AXLES)													
15:00-15:15	0	0	0	0	0	0	0	0	0	1	4	0	5
15:15-15:30	0	0	0	0	0	0	0	0	0	0	4	0	4
15:30-15:45	0	0	0	0	1	0	0	0	0	0	3	0	4
15:45-16:00	0	0	0	0	1	0	0	2	0	0	6	0	9
HEAVY TRUCKS (SEMI-TRACTOR TRAILER)													
15:00-15:15	0	0	0	0	0	0	0	0	0	0	0	0	0
15:15-15:30	0	0	0	0	0	0	0	0	0	0	0	0	0
15:30-15:45	0	0	0	0	0	0	0	0	0	0	1	0	1
15:45-16:00	0	0	0	0	0	0	0	0	0	0	0	0	0
BICYCLES													
15:00-15:15	0	0	0	0	0	0	0	0	0	0	2	0	2
15:15-15:30	0	0	0	0	0	0	0	0	0	0	1	0	1
15:30-15:45	0	0	0	0	1	0	0	0	0	0	0	0	1
15:45-16:00	0	0	0	0	0	0	0	0	0	0	3	0	3
PEDESTRIANS													
Crosswalk	SOUTH			WEST			EAST			NORTH			ALL
15:00-15:15	0	0	0	1	0	0	1	0	0	2	0	0	4
15:15-15:30	0	0	0	1	0	0	0	0	0	2	0	0	3
15:30-15:45	0	0	0	0	0	0	0	0	0	0	0	0	0
15:45-16:00	0	0	0	9	0	0	0	0	0	0	0	0	9

Peak Hour By Movement

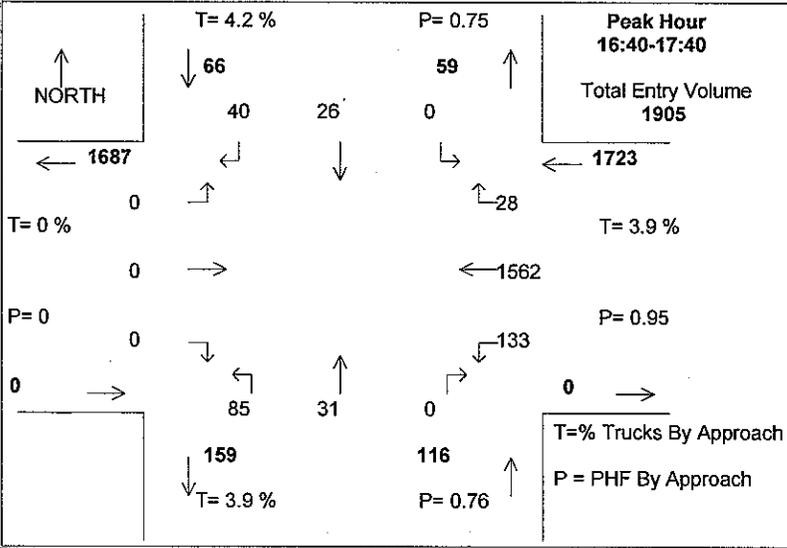
PHF	0	0	0	0.71	0.79	0.25	0.56	0.8	0	0.85	0.96	0.67	0.96
% Trucks(All)	0	0	0	2.9	10.5	0	7.6	14.3	0	3.2	7.1	4.2	7
% Trucks(M+H)	0	0	0	0	5.3	0	0	5.7	0	1.1	1.4	0	1.4
Stopped Buses	0	0	0	0	0	0	0	0	0	0	0	0	0

Hourly Totals

13:00-14:00	0	0	0	27	15	0	40	20	0	58	1011	16	1187
13:15-14:15	0	0	0	27	13	0	48	25	0	64	1039	18	1234
13:30-14:30	0	0	0	30	9	0	52	25	0	68	1067	18	1269
13:45-14:45	0	0	0	31	18	0	55	32	0	76	1099	17	1328
14:00-15:00	0	0	0	33	24	0	55	35	0	76	1151	21	1395
14:15-15:15	0	0	0	30	33	0	74	35	0	80	1177	24	1453
14:30-15:30	0	0	0	32	39	0	75	36	0	88	1200	21	1491
14:45-15:45	0	0	0	37	39	0	71	33	0	87	1255	25	1547
15:00-16:00	0	0	0	34	38	1	79	35	0	95	1281	24	1587

INTERSECTION TURN MOVEMENT SUMMARY REPORT

File: Woet33.tm1



LOCATION:
 4TH AVENUE/ ADAIR STREET
 CORNELIUS, OR

Date: 09/23/04 Day: THU
 Time: 16:00 - 18:00

Report Prepared for:
 DKS

Surveyed By:
TRAFFIC SMITHY, INC
 1225 NW MURRAY BLVD
 PORTLAND, OR 97209
 Phone: 503-641-6333 Fax: 503-643-8866

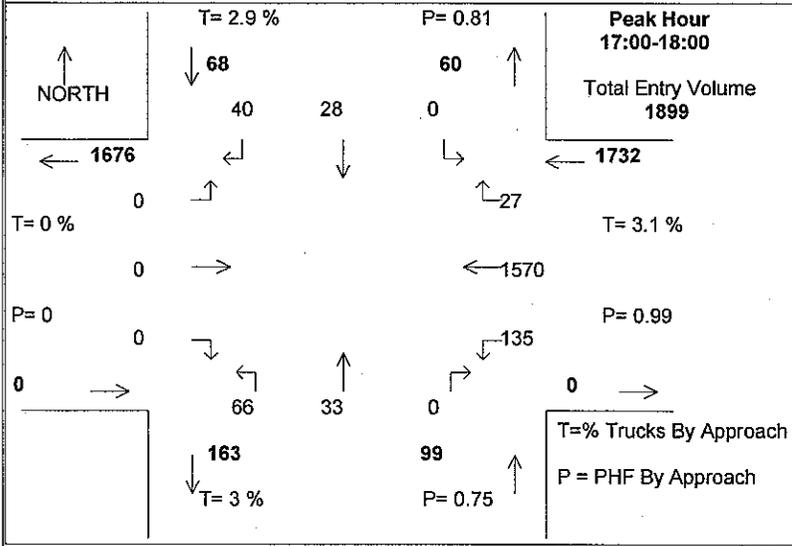
Report Reviewed by: KH

TIME PERIOD	EASTBOUND			SOUTHBOUND			NORTHBOUND			WESTBOUND			ALL
	↘	→	↗	↙	↓	↖	↖	↑	↗	↘	←	↖	
16:00-16:05	0	0	0	4	2	0	2	2	0	5	83	1	99
16:05-16:10	0	0	0	3	1	0	6	7	0	6	126	0	149
16:10-16:15	0	0	0	2	5	0	10	2	0	9	100	0	128
16:15-16:20	0	0	0	4	6	0	7	0	0	7	113	2	139
16:20-16:25	0	0	0	3	4	0	2	0	0	13	135	1	158
16:25-16:30	0	0	0	4	4	0	4	2	0	7	120	2	143
16:30-16:35	0	0	0	3	2	0	7	2	0	6	104	0	124
16:35-16:40	0	0	0	6	3	0	3	5	0	8	117	1	143
16:40-16:45	0	0	0	3	4	0	7	2	0	10	139	2	167
16:45-16:50	0	0	0	3	3	0	12	4	0	9	136	2	169
16:50-16:55	0	0	0	1	0	0	10	3	0	11	128	4	157
16:55-17:00	0	0	0	4	1	0	7	0	0	11	113	0	136
17:00-17:05	0	0	0	5	1	0	4	1	0	10	137	2	160
17:05-17:10	0	0	0	6	1	0	2	4	0	15	110	4	142
17:10-17:15	0	0	0	5	3	0	9	1	0	14	141	3	176
17:15-17:20	0	0	0	2	5	0	5	3	0	12	140	2	169
17:20-17:25	0	0	0	5	1	0	12	4	0	9	131	2	164
17:25-17:30	0	0	0	1	5	0	5	4	0	10	122	5	152
17:30-17:35	0	0	0	2	1	0	6	4	0	14	127	0	154
17:35-17:40	0	0	0	3	1	0	6	1	0	8	138	2	159
17:40-17:45	0	0	0	2	3	0	3	0	0	6	141	1	156
17:45-17:50	0	0	0	4	3	0	4	5	0	10	130	1	157
17:50-17:55	0	0	0	4	4	0	6	2	0	13	130	3	162
17:55-18:00	0	0	0	1	0	0	4	4	0	14	123	2	148

TOTALS	0	0	0	80	63	0	143	62	0	237	2984	42	3611
PHF	0	0	0	0.63	0.59	0	0.73	0.65	0	0.81	0.95	0.78	0.94
% Trucks	0	0	0	3.8	4.8	0	4.2	3.2	0	4.2	3.9	4.8	3.9
Stopped Buses	0	0	0	0	0	0	0	0	0	0	0	0	0
Pedestrians		1			10			5			11		

INTERSECTION TURN MOVEMENT PEAK HOUR REPORT

File: Woet33.tm1



LOCATION:
 4TH AVENUE/ ADAIR STREET
 CORNELIUS, OR

Date: 09/23/04 Day: THU
 Time: 16:00 - 18:00

Report Prepared for:
 DKS

Surveyed By:
 TRAFFIC SMITHY, INC
 1225 NW MURRAY BLVD
 PORTLAND, OR 97209
 Phone: 503-641-6333 Fax: 503-643-8866

Report Reviewed by: KH

TIME PERIOD	EASTBOUND			SOUTHBOUND			NORTHBOUND			WESTBOUND			ALL
	↘	→	↗	↙	↓	↘	↖	↑	↗	↖	↗		
ALL VEHICLES													
17:00-17:15	0	0	0	16	5	0	15	6	0	39	388	9	478
17:15-17:30	0	0	0	8	11	0	22	11	0	31	393	9	485
17:30-17:45	0	0	0	7	5	0	15	5	0	28	406	3	469
17:45-18:00	0	0	0	9	7	0	14	11	0	37	383	6	467
LIGHT TRUCKS (SINGLE UNIT 2 AXLES)													
17:00-17:15	0	0	0	1	0	0	0	0	0	0	8	0	9
17:15-17:30	0	0	0	1	0	0	2	0	0	1	4	0	8
17:30-17:45	0	0	0	0	0	0	0	0	0	1	15	0	16
17:45-18:00	0	0	0	0	0	0	0	0	0	3	7	0	10
MEDIUM TRUCKS (SINGLE UNIT >2 AXLES)													
17:00-17:15	0	0	0	0	0	0	1	0	0	0	3	0	4
17:15-17:30	0	0	0	0	0	0	0	0	0	0	1	0	1
17:30-17:45	0	0	0	0	0	0	0	0	0	1	1	0	2
17:45-18:00	0	0	0	0	0	0	0	0	0	0	1	0	1
HEAVY TRUCKS (SEMI-TRACTOR TRAILER)													
17:00-17:15	0	0	0	0	0	0	0	0	0	0	0	0	0
17:15-17:30	0	0	0	0	0	0	0	0	0	1	2	0	3
17:30-17:45	0	0	0	0	0	0	0	0	0	1	2	0	3
17:45-18:00	0	0	0	0	0	0	0	0	0	0	1	0	1
BICYCLES													
17:00-17:15	0	0	0	0	0	0	0	0	0	0	1	0	1
17:15-17:30	0	0	0	0	0	0	0	0	0	0	3	0	3
17:30-17:45	0	0	0	0	0	0	0	0	0	0	1	0	1
17:45-18:00	0	0	0	0	0	0	0	0	0	0	3	0	3
PEDESTRIANS													
Crosswalk	SOUTH			WEST			EAST			NORTH			ALL
17:00-17:15	0	0	0	0	0	0	0	0	0	0	0	0	0
17:15-17:30	0	0	0	0	0	0	0	0	0	0	0	0	0
17:30-17:45	0	0	0	2	0	0	0	0	0	1	0	0	3
17:45-18:00	1	0	0	0	0	0	5	0	0	2	0	0	8

Peak Hour By Movement

PHF	0	0	0	0.63	0.64	0	0.75	0.75	0	0.87	0.97	0.75	0.98
% Trucks(All)	0	0	0	5	0	0	4.5	0	0	5.9	2.9	0	3.1
% Trucks(M+H)	0	0	0	0	0	0	1.5	0	0	2.2	0.7	0	0.8
Stopped Buses	0	0	0	0	0	0	0	0	0	0	0	0	0

Hourly Totals

16:00-17:00	0	0	0	40	35	0	77	29	0	102	1414	15	1712
16:15-17:15	0	0	0	47	32	0	74	24	0	121	1493	23	1814
16:30-17:30	0	0	0	44	29	0	83	33	0	125	1518	27	1859
16:45-17:45	0	0	0	39	25	0	81	29	0	129	1564	27	1894
17:00-18:00	0	0	0	40	28	0	66	33	0	135	1570	27	1899

INTERSECTION TURN MOVEMENT SUMMARY REPORT

File: Woeu40.tm1

LOCATION:

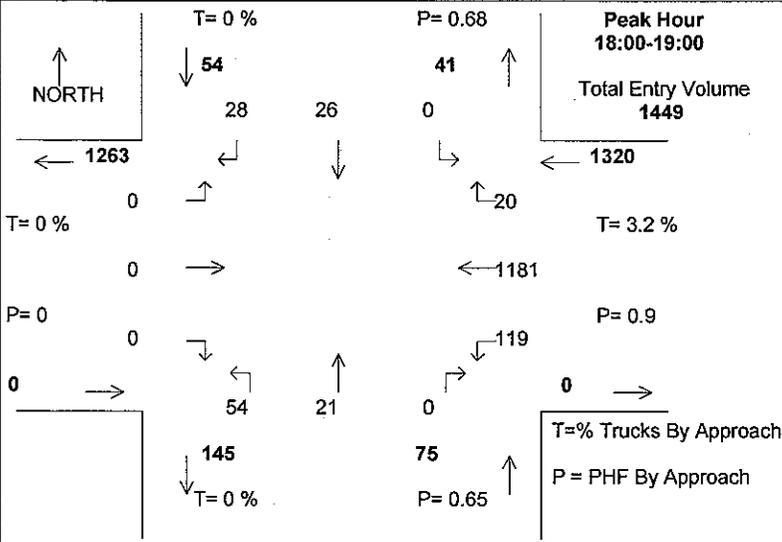
4TH AVENUE/ ADAIR STREET
CORNELIUS, OR

Date: **09/23/04** Day: **THU**
Time: **18:00 - 20:00**

Report Prepared for:
DKS

Surveyed By:
TRAFFIC SMITHY, INC
1225 NW MURRAY BLVD
PORTLAND, OR 97209
Phone: 503-641-6333 Fax: 503-643-8866

Report Reviewed by: KH

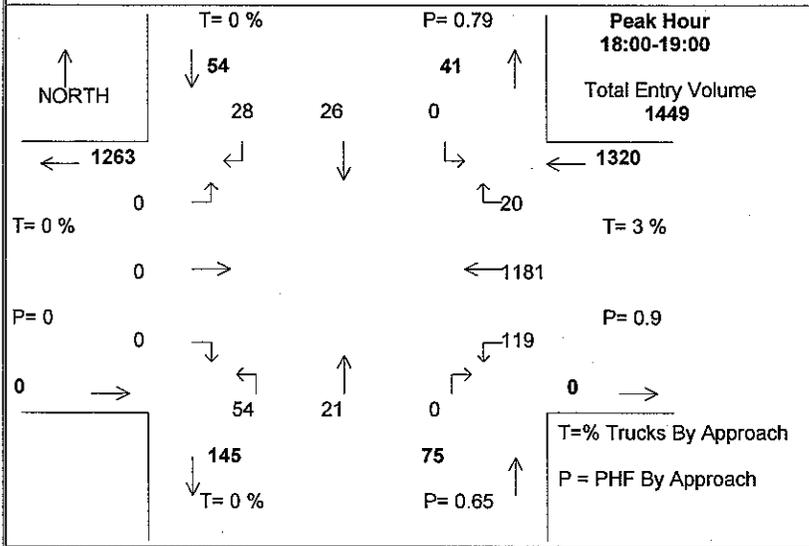


TIME PERIOD	EASTBOUND			SOUTHBOUND			NORTHBOUND			WESTBOUND			ALL
	↙	→	↗	↙	↓	↘	↙	↑	↘	↙	←	↗	
18:00-18:05	0	0	0	1	0	0	5	1	0	7	107	1	122
18:05-18:10	0	0	0	1	2	0	4	0	0	10	124	2	143
18:10-18:15	0	0	0	3	3	0	5	0	0	11	102	1	125
18:15-18:20	0	0	0	2	2	0	4	0	0	12	85	3	108
18:20-18:25	0	0	0	4	4	0	2	0	0	8	96	1	115
18:25-18:30	0	0	0	3	2	0	1	2	0	8	100	2	118
18:30-18:35	0	0	0	3	4	0	6	3	0	12	93	1	122
18:35-18:40	0	0	0	2	2	0	6	1	0	8	77	4	100
18:40-18:45	0	0	0	4	1	0	5	1	0	7	103	1	122
18:45-18:50	0	0	0	3	1	0	1	4	0	16	113	0	138
18:50-18:55	0	0	0	2	3	0	6	3	0	8	89	1	112
18:55-19:00	0	0	0	0	2	0	9	6	0	12	92	3	124
19:00-19:05	0	0	0	1	1	0	9	2	0	14	85	5	117
19:05-19:10	0	0	0	2	3	0	15	2	0	8	98	1	129
19:10-19:15	0	0	0	5	2	0	2	3	0	3	80	1	96
19:15-19:20	0	0	0	4	2	0	3	1	0	5	66	1	82
19:20-19:25	0	0	0	1	4	0	8	2	0	6	79	1	101
19:25-19:30	0	0	0	3	1	0	3	0	0	10	77	1	95
19:30-19:35	0	0	0	0	0	0	6	2	0	9	92	0	109
19:35-19:40	0	0	0	0	0	0	3	0	0	10	86	2	101
19:40-19:45	0	0	0	3	2	0	7	1	0	5	66	0	84
19:45-19:50	0	0	0	1	1	0	7	3	0	3	68	2	85
19:50-19:55	0	0	0	2	3	0	4	4	0	5	74	3	95
19:55-20:00	0	0	0	0	1	0	3	0	0	8	73	0	85

TOTALS	0	0	0	50	46	0	124	41	0	205	2125	37	2628
PHF	0	0	0	0.7	0.65	0	0.79	0.4	0	0.83	0.89	0.71	0.93
% Trucks	0	0	0	0	0	0	0	0	0	2	3.3	5.4	2.9
Stopped Buses	0	0	0	0	0	0	0	0	0	0	0	0	0
Pedestrians		2			9			4			18		

INTERSECTION TURN MOVEMENT PEAK HOUR REPORT

File: Woeu40.tm1



LOCATION:
4TH AVENUE/ ADAIR STREET
CORNELIUS, OR

Date: **09/23/04** Day: **THU**
Time: **18:00 - 20:00**

Report Prepared for:
DKS

Surveyed By:
TRAFFIC SMITHY, INC
1225 NW MURRAY BLVD
PORTLAND, OR 97209
Phone: 503-641-6333 Fax: 503-643-8866

Report Reviewed by: *KH*

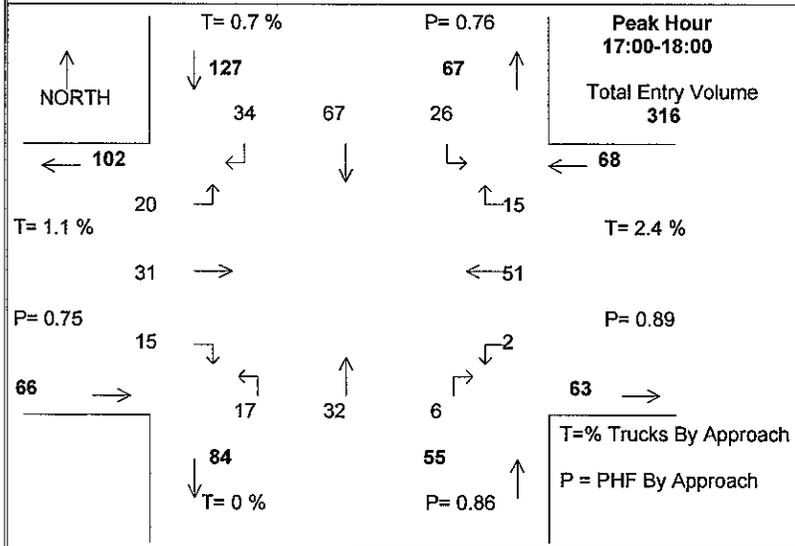
TIME PERIOD	EASTBOUND			SOUTHBOUND			NORTHBOUND			WESTBOUND			ALL
	↙	→	↗	↙	↓	↘	↙	↑	↘	↙	←	↗	
ALL VEHICLES													
18:00-18:15	0	0	0	5	5	0	14	1	0	28	333	4	390
18:15-18:30	0	0	0	9	8	0	7	2	0	28	281	6	341
18:30-18:45	0	0	0	9	7	0	17	5	0	27	273	6	344
18:45-19:00	0	0	0	5	6	0	16	13	0	36	294	4	374
LIGHT TRUCKS (SINGLE UNIT 2 AXLES)													
18:00-18:15	0	0	0	0	0	0	0	0	0	0	11	0	11
18:15-18:30	0	0	0	0	0	0	0	0	0	0	8	1	9
18:30-18:45	0	0	0	0	0	0	0	0	0	0	7	0	7
18:45-19:00	0	0	0	0	0	0	0	0	0	1	6	0	7
MEDIUM TRUCKS (SINGLE UNIT >2 AXLES)													
18:00-18:15	0	0	0	0	0	0	0	0	0	1	2	0	3
18:15-18:30	0	0	0	0	0	0	0	0	0	0	1	0	1
18:30-18:45	0	0	0	0	0	0	0	0	0	0	0	0	0
18:45-19:00	0	0	0	0	0	0	0	0	0	0	1	0	1
HEAVY TRUCKS (SEMI-TRACTOR TRAILER)													
18:00-18:15	0	0	0	0	0	0	0	0	0	0	1	0	1
18:15-18:30	0	0	0	0	0	0	0	0	0	0	0	0	0
18:30-18:45	0	0	0	0	0	0	0	0	0	0	0	0	0
18:45-19:00	0	0	0	0	0	0	0	0	0	0	0	0	0
BICYCLES													
18:00-18:15	0	0	0	0	0	0	0	0	0	0	0	0	0
18:15-18:30	0	0	0	0	0	0	0	0	0	0	1	0	1
18:30-18:45	0	0	0	0	0	0	0	0	0	0	0	0	0
18:45-19:00	0	0	0	0	0	0	0	0	0	0	1	0	1
PEDESTRIANS													
Crosswalk	SOUTH			WEST			EAST			NORTH			ALL
18:00-18:15	0	0	0	1	1	0	2	2	0	2	2	0	5
18:15-18:30	0	0	0	1	1	0	1	1	0	3	3	0	5
18:30-18:45	0	0	0	1	1	0	0	0	0	8	8	0	9
18:45-19:00	2	2	0	1	1	0	0	0	0	1	1	0	4

Peak Hour By Movement													
PHF	0	0	0	0.78	0.81	0	0.79	0.4	0	0.83	0.89	0.83	0.93
% Trucks(All)	0	0	0	0	0	0	0	0	0	1.7	3.1	5	2.8
% Trucks(M+H)	0	0	0	0	0	0	0	0	0	0.8	0.4	0	0.4
Stopped Buses	0	0	0	0	0	0	0	0	0	0	0	0	0

Hourly Totals													
18:00-19:00	0	0	0	28	26	0	54	21	0	119	1181	20	1449
18:15-19:15	0	0	0	31	27	0	66	27	0	116	1111	23	1401
18:30-19:30	0	0	0	30	26	0	73	28	0	109	1052	20	1338
18:45-19:45	0	0	0	24	21	0	72	26	0	106	1023	16	1288
19:00-20:00	0	0	0	22	20	0	70	20	0	86	944	17	1179

INTERSECTION TURN MOVEMENT SUMMARY REPORT

File: W0HS37.TM1



LOCATION:

S 4TH AVENUE/ HEATHER STREET
CORNELIUS, OR

Date: **10/05/04** Day: **TUE**
Time: **16:00 - 19:00**

Report Prepared for:
DKS

Surveyed By:
TRAFFIC SMITHY, INC
1225 NW MURRAY BLVD
PORTLAND, OR 97209
Phone: 503-641-6333 Fax: 503-643-8866

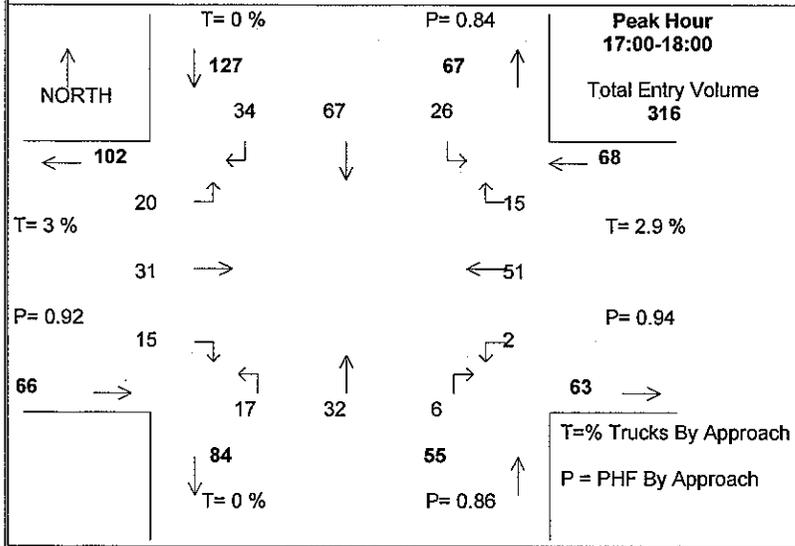
Report Reviewed by: KH

TIME PERIOD	EASTBOUND			SOUTHBOUND			NORTHBOUND			WESTBOUND			ALL
	↙	→	↗	↙	↓	↘	↙	↑	↗	↙	←	↗	
16:00-16:05	1	2	1	3	2	1	0	2	1	0	4	0	17
16:05-16:10	2	2	2	2	3	2	2	2	1	2	0	0	20
16:10-16:15	0	0	1	1	9	1	3	2	0	1	2	1	21
16:15-16:20	0	2	1	3	2	1	1	5	0	0	6	1	22
16:20-16:25	2	3	1	1	2	4	2	1	1	1	1	4	23
16:25-16:30	0	3	1	3	5	2	1	6	0	1	1	1	24
16:30-16:35	1	1	1	1	7	1	2	1	2	0	2	1	20
16:35-16:40	1	2	1	1	6	4	1	0	2	0	3	2	23
16:40-16:45	0	3	0	3	5	2	0	5	1	0	7	1	27
16:45-16:50	0	2	2	2	2	2	2	3	0	0	4	0	19
16:50-16:55	1	0	2	0	4	0	1	7	0	0	4	3	22
16:55-17:00	2	3	2	0	2	0	1	3	0	0	4	0	17
17:00-17:05	1	3	1	4	7	1	1	3	0	0	8	0	29
17:05-17:10	0	2	1	1	3	0	1	4	0	0	4	0	16
17:10-17:15	1	2	2	2	1	4	4	3	0	0	4	1	24
17:15-17:20	1	1	2	3	6	2	0	4	0	0	6	2	27
17:20-17:25	2	3	1	3	8	1	2	2	1	0	6	0	29
17:25-17:30	3	2	3	0	9	2	0	2	1	0	1	0	23
17:30-17:35	1	5	2	2	8	3	5	2	1	0	7	0	36
17:35-17:40	0	3	2	1	6	0	0	4	0	2	1	4	23
17:40-17:45	0	2	3	4	2	6	1	1	1	0	1	3	24
17:45-17:50	2	1	2	6	4	4	1	3	1	0	2	3	29
17:50-17:55	2	2	0	6	8	2	1	3	1	0	4	2	31
17:55-18:00	2	5	1	2	5	1	1	1	0	0	7	0	25
18:00-18:05	4	2	2	2	2	1	1	3	0	0	0	0	17
18:05-18:10	1	4	4	3	5	1	0	1	0	0	5	1	25
18:10-18:15	2	2	0	1	4	2	1	7	0	0	3	1	23
18:15-18:20	0	0	1	0	4	3	0	5	1	0	0	0	14
18:20-18:25	1	2	1	1	2	0	1	5	0	0	1	2	16
18:25-18:30	1	4	0	3	2	2	0	3	0	1	1	3	20
18:30-18:35	1	5	0	2	4	0	1	2	0	0	3	0	18
18:35-18:40	2	2	1	1	3	0	1	1	0	1	2	3	17
18:40-18:45	0	3	2	2	1	0	0	4	0	2	2	2	18
18:45-18:50	1	1	2	0	7	1	2	4	0	0	2	1	21
18:50-18:55	1	6	1	0	1	0	3	5	0	1	3	0	21
18:55-19:00	1	0	1	1	3	1	3	11	1	0	0	2	24

TOTALS	40	85	50	70	154	57	46	120	16	12	111	44	805
PHF	0.63	0.77	0.71	0.53	0.67	0.54	0.61	0.73	0.5	0.25	0.8	0.38	0.9
% Trucks	0	1.2	2	1.4	0.6	0	0	0	0	0	1.8	4.5	1
Stopped Buses	0	0	0	0	0	0	0	0	0	0	0	0	
Pedestrians		8			13			0			7		

INTERSECTION TURN MOVEMENT PEAK HOUR REPORT

File: WOHS37.TM1



LOCATION:
S 4TH AVENUE/ HEATHER STREET
CORNELIUS, OR

Date: 10/05/04 Day: TUE
Time: 16:00 - 19:00

Report Prepared for:
DKS

Surveyed By:
TRAFFIC SMITHY, INC
1225.NW MURRAY BLVD
PORTLAND, OR 97209
Phone: 503-641-6333 Fax: 503-643-8866

Report Reviewed by: KH

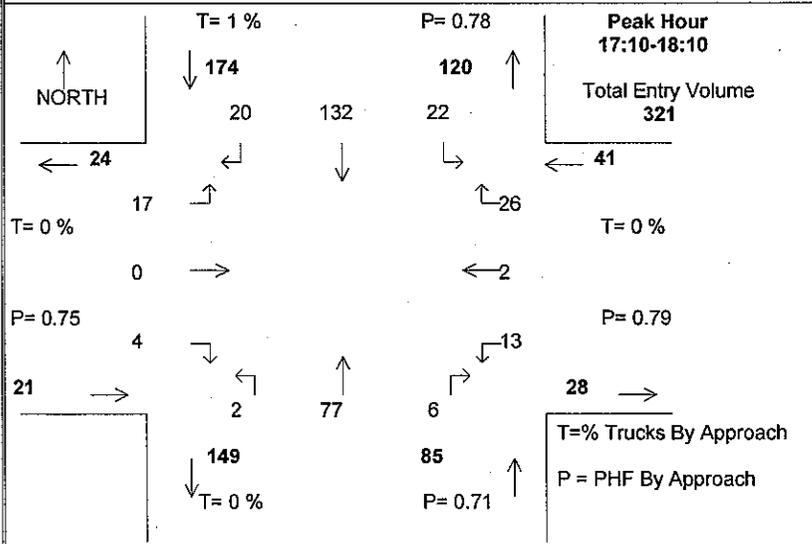
TIME PERIOD	EASTBOUND			SOUTHBOUND			NORTHBOUND			WESTBOUND			ALL
	↘	→	↗	↙	↓	↘	↖	↑	↗	↖	↗		
ALL VEHICLES													
17:00-17:15	2	7	4	7	11	5	6	10	0	0	16	1	69
17:15-17:30	6	6	6	6	23	5	2	8	2	0	13	2	79
17:30-17:45	1	10	7	7	16	9	6	7	2	2	9	7	83
17:45-18:00	6	8	3	14	17	7	3	7	2	0	13	5	85
LIGHT TRUCKS (SINGLE UNIT 2 AXLES)													
17:00-17:15	0	1	0	0	0	0	0	0	0	0	0	0	1
17:15-17:30	0	0	0	0	0	0	0	0	0	0	1	1	2
17:30-17:45	0	0	1	0	0	0	0	0	0	0	0	0	1
17:45-18:00	0	0	0	0	0	0	0	0	0	0	0	0	0
MEDIUM TRUCKS (SINGLE UNIT >2 AXLES)													
17:00-17:15	0	0	0	0	0	0	0	0	0	0	0	0	0
17:15-17:30	0	0	0	0	0	0	0	0	0	0	0	0	0
17:30-17:45	0	0	0	0	0	0	0	0	0	0	0	0	0
17:45-18:00	0	0	0	0	0	0	0	0	0	0	0	0	0
HEAVY TRUCKS (SEMI-TRACTOR TRAILER)													
17:00-17:15	0	0	0	0	0	0	0	0	0	0	0	0	0
17:15-17:30	0	0	0	0	0	0	0	0	0	0	0	0	0
17:30-17:45	0	0	0	0	0	0	0	0	0	0	0	0	0
17:45-18:00	0	0	0	0	0	0	0	0	0	0	0	0	0
BICYCLES													
17:00-17:15	0	0	0	0	0	0	0	0	0	0	3	0	3
17:15-17:30	0	2	1	0	1	0	0	0	0	0	1	0	5
17:30-17:45	0	0	0	0	0	0	0	0	0	0	0	1	1
17:45-18:00	0	1	1	0	0	0	1	0	0	0	1	0	4
PEDESTRIANS													
Crosswalk	SOUTH			WEST			EAST			NORTH			ALL
17:00-17:15	1			4			0			0			5
17:15-17:30	3			0			0			0			3
17:30-17:45	2			0			0			0			2
17:45-18:00	0			0			0			0			0

	0.63	0.77	0.71	0.61	0.73	0.72	0.71	0.8	0.75	0.25	0.8	0.54	0.93
PHF	0.63	0.77	0.71	0.61	0.73	0.72	0.71	0.8	0.75	0.25	0.8	0.54	0.93
% Trucks(All)	0	3.2	5	0	0	0	0	0	0	0	2	6.7	1.3
% Trucks(M+H)	0	0	0	0	0	0	0	0	0	0	0	0	0
Stopped Buses	0	0	0	0	0	0	0	0	0	0	0	0	0

Hourly Totals	10	23	15	20	49	20	16	37	8	5	38	14	255
16:00-17:00	10	23	15	20	49	20	16	37	8	5	38	14	255
16:15-17:15	9	26	15	21	46	21	17	41	6	2	48	14	266
16:30-17:30	13	24	18	20	60	19	15	37	7	0	53	10	276
16:45-17:45	12	28	23	22	58	21	18	38	4	2	50	13	289
17:00-18:00	15	31	20	34	67	26	17	32	6	2	51	15	316
17:15-18:15	20	32	22	33	67	25	13	33	6	2	43	16	312
17:30-18:30	16	32	18	31	52	25	12	38	5	3	32	19	283
17:45-18:45	18	32	14	29	44	16	8	38	3	4	30	17	253
18:00-19:00	15	31	15	16	38	11	13	51	2	5	22	15	234

INTERSECTION TURN MOVEMENT SUMMARY REPORT

File: W0HQ18.TM1



LOCATION:
S 4TH AVENUE/ DOGWOOD STREET
CORNELIUS, OR

Date: **10/05/04** Day: **TUE**
Time: **16:00 - 19:00**

Report Prepared for:
DKS

Surveyed By:
TRAFFIC SMITHY, INC
1225 NW MURRAY BLVD
PORTLAND, OR 97209
Phone: 503-641-6333 Fax: 503-643-8866

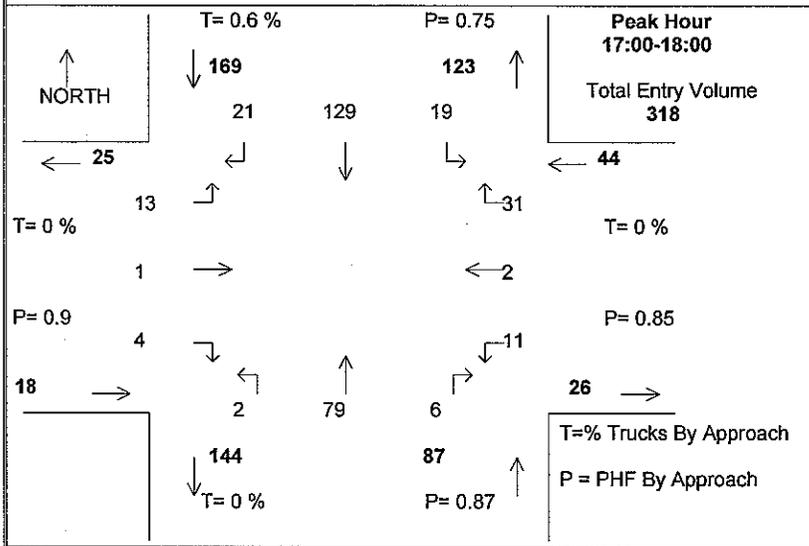
Report Reviewed by: *KH*

TIME PERIOD	EASTBOUND			SOUTHBOUND			NORTHBOUND			WESTBOUND			ALL
	↙	→	↗	↖	↓	↘	↖	↑	↗	↙	←	↗	
16:00-16:05	0	1	1	2	9	2	0	3	0	3	0	0	21
16:05-16:10	0	0	0	1	9	1	0	4	1	1	0	2	19
16:10-16:15	1	0	1	1	7	3	0	6	1	0	0	1	21
16:15-16:20	1	0	1	0	5	2	1	6	1	1	0	2	20
16:20-16:25	1	0	0	3	6	0	0	6	0	3	0	2	21
16:25-16:30	0	0	1	1	10	2	0	8	0	0	0	4	26
16:30-16:35	0	0	1	2	12	7	0	5	2	3	0	4	36
16:35-16:40	0	0	1	3	5	3	0	4	1	0	0	3	20
16:40-16:45	0	0	0	3	10	2	0	5	0	0	0	3	23
16:45-16:50	0	0	1	1	6	1	0	5	0	1	0	0	15
16:50-16:55	0	0	1	3	4	2	0	9	2	0	0	1	22
16:55-17:00	0	0	0	2	11	2	0	6	1	1	0	1	24
17:00-17:05	0	0	0	3	14	1	0	9	0	0	0	6	33
17:05-17:10	0	1	1	0	2	2	0	7	1	0	0	2	16
17:10-17:15	0	0	2	3	10	3	0	8	0	1	0	2	29
17:15-17:20	0	0	1	3	13	1	1	7	0	1	1	1	29
17:20-17:25	1	0	1	2	13	0	0	3	1	0	0	2	23
17:25-17:30	0	0	1	4	15	5	0	3	1	0	0	4	33
17:30-17:35	0	0	1	3	8	0	0	3	1	2	0	2	20
17:35-17:40	1	0	1	2	10	2	0	10	0	0	0	3	29
17:40-17:45	0	0	2	1	13	0	1	8	0	3	0	3	31
17:45-17:50	1	0	1	0	10	0	0	11	0	2	0	0	25
17:50-17:55	0	0	1	0	14	2	0	6	2	1	0	3	29
17:55-18:00	1	0	1	0	7	3	0	4	0	1	1	3	21
18:00-18:05	0	0	2	1	9	5	0	6	1	1	0	2	27
18:05-18:10	0	0	3	1	10	1	0	8	0	1	0	1	25
18:10-18:15	0	0	1	0	8	0	0	8	1	0	0	2	20
18:15-18:20	2	0	0	0	5	1	0	5	1	0	1	1	16
18:20-18:25	1	0	1	0	4	1	0	7	1	0	0	5	20
18:25-18:30	0	0	0	0	11	0	0	6	0	0	0	1	18
18:30-18:35	0	0	1	1	9	1	0	3	2	0	0	5	22
18:35-18:40	0	0	0	2	3	0	0	4	0	1	0	0	10
18:40-18:45	0	0	3	2	3	0	0	10	0	0	0	2	20
18:45-18:50	0	0	0	3	8	0	0	6	1	0	0	0	18
18:50-18:55	0	0	1	1	5	1	0	6	0	0	0	2	16
18:55-19:00	0	0	0	1	2	2	0	15	0	2	0	1	23

TOTALS	10	2	33	55	300	58	3	230	22	29	3	76	821
PHF	0.5	0	0.71	0.56	0.8	0.55	0.5	0.66	0.5	0.54	0.5	0.72	0.94
% Trucks	0	0	0	0	0.7	3.4	0	0	0	0	0	0	0.5
Stopped Buses	0	0	0	0	0	0	0	0	0	0	0	0	
Pedestrians		13			37			7			0		

INTERSECTION TURN MOVEMENT PEAK HOUR REPORT

File: W0HQ18.TM1



LOCATION:
S 4TH AVENUE/ DOGWOOD STREET
CORNELIUS, OR

Date: **10/05/04** Day: **TUE**
Time: **16:00 - 19:00**

Report Prepared for:
DKS

Surveyed By:
TRAFFIC SMITHY, INC
1225 NW MURRAY BLVD
PORTLAND, OR 97209
Phone: 503-641-6333 Fax: 503-643-8866

Report Reviewed by: *KH*

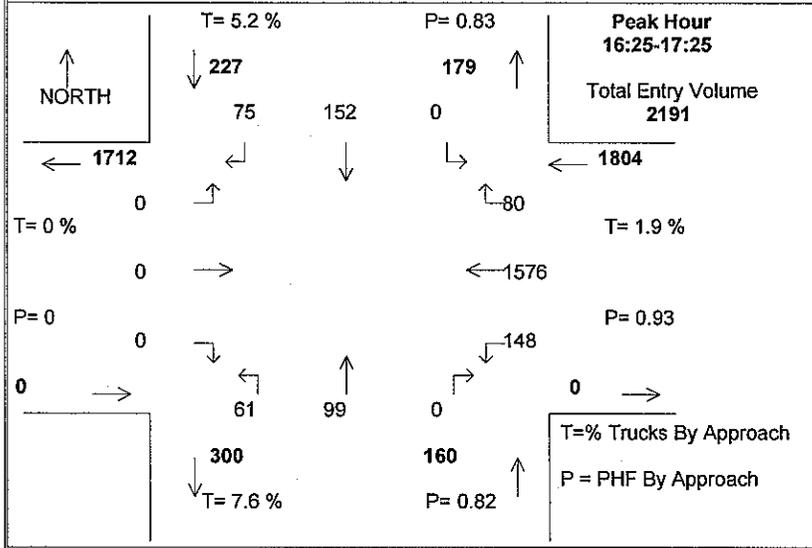
TIME PERIOD	EASTBOUND			SOUTHBOUND			NORTHBOUND			WESTBOUND			ALL
	↘	→	↗	↙	↓	↘	↖	↑	↗	↖	←	↗	
ALL VEHICLES													
17:00-17:15	0	1	3	6	26	6	0	24	1	1	0	10	78
17:15-17:30	1	0	3	9	41	6	1	13	2	1	1	7	85
17:30-17:45	1	0	4	6	31	2	1	21	1	5	0	8	80
17:45-18:00	2	0	3	0	31	5	0	21	2	4	1	6	75
LIGHT TRUCKS (SINGLE UNIT 2 AXLES)													
17:00-17:15	0	0	0	0	0	0	0	0	0	0	0	0	0
17:15-17:30	0	0	0	0	0	0	0	0	0	0	0	0	0
17:30-17:45	0	0	0	0	0	1	0	0	0	0	0	0	1
17:45-18:00	0	0	0	0	0	0	0	0	0	0	0	0	0
MEDIUM TRUCKS (SINGLE UNIT >2 AXLES)													
17:00-17:15	0	0	0	0	0	0	0	0	0	0	0	0	0
17:15-17:30	0	0	0	0	0	0	0	0	0	0	0	0	0
17:30-17:45	0	0	0	0	0	0	0	0	0	0	0	0	0
17:45-18:00	0	0	0	0	0	0	0	0	0	0	0	0	0
HEAVY TRUCKS (SEMI-TRACTOR TRAILER)													
17:00-17:15	0	0	0	0	0	0	0	0	0	0	0	0	0
17:15-17:30	0	0	0	0	0	0	0	0	0	0	0	0	0
17:30-17:45	0	0	0	0	0	0	0	0	0	0	0	0	0
17:45-18:00	0	0	0	0	0	0	0	0	0	0	0	0	0
BICYCLES													
17:00-17:15	0	0	0	0	0	0	0	0	0	2	0	0	2
17:15-17:30	0	0	0	0	2	0	0	1	1	1	0	0	5
17:30-17:45	1	0	0	0	0	0	0	1	0	0	0	0	2
17:45-18:00	0	0	0	0	0	0	0	3	4	0	0	1	8
PEDESTRIANS													
Crosswalk	SOUTH			WEST			EAST			NORTH			ALL
17:00-17:15	3			4			1			0			8
17:15-17:30	2			4			1			0			7
17:30-17:45	0			4			1			0			5
17:45-18:00	4			6			1			0			11

Peak Hour By Movement	PHF	% Trucks(All)	% Trucks(M+H)	Stopped Buses
17:00-17:15	0.5	0	0	0
17:15-17:30	0.25	0	0	0
17:30-17:45	0.81	0	0	0
17:45-18:00	0.58	0	0	0
18:00-19:00	0.79	0	0	0
19:00-20:00	0.79	5.3	0	0
20:00-21:00	0.5	0	0	0
21:00-22:00	0.82	0	0	0
22:00-23:00	0.75	0	0	0
23:00-24:00	0.55	0	0	0
24:00-25:00	0.5	0	0	0
25:00-26:00	0.77	0	0	0
26:00-27:00	0.94	0.3	0	0

Hourly Totals	16:00-17:00	16:15-17:15	16:30-17:30	16:45-17:45	17:00-18:00	17:15-18:15	17:30-18:30	17:45-18:45	18:00-19:00
Eastbound	3	1	8	2	4	4	6	5	3
Southbound	22	24	29	27	21	17	8	7	12
Northbound	27	95	115	119	129	130	109	93	77
Westbound	1	1	1	2	2	2	1	0	0
North	67	78	71	78	79	77	82	78	84
South	9	8	9	7	6	7	7	8	7
West	13	10	7	9	11	12	11	7	5
East	0	0	1	1	2	2	2	2	1
ALL	23	30	29	27	31	26	26	25	22
TOTAL	268	285	303	304	318	312	281	253	235

INTERSECTION TURN MOVEMENT SUMMARY REPORT

File: W0HM38.mod



LOCATION:
10TH AVENUE/ ADAIR STREET
CORNELIUS, OR

Date: 10/05/04 Day: TUE
Time: 16:00 - 19:00

Report Prepared for:
DKS

Surveyed By:
TRAFFIC SMITHY, INC
1225 NW MURRAY BLVD
PORTLAND, OR 97209
Phone: 503-641-6333 Fax: 503-643-8866

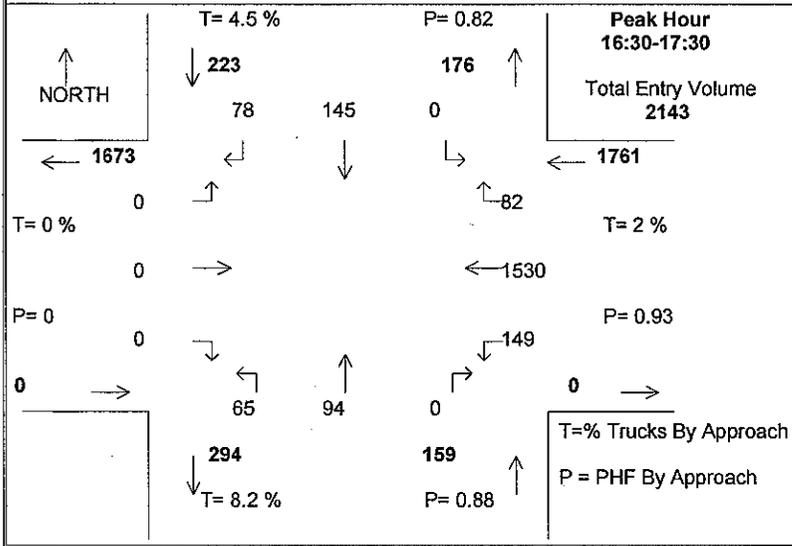
Report Reviewed by: KH

TIME PERIOD	EASTBOUND			SOUTHBOUND			NORTHBOUND			WESTBOUND			ALL
	↘	→	↗	↙	↓	↖	↖	↑	↗	↘	←	↖	
16:00-16:05	0	0	0	7	16	0	6	15	0	11	94	1	150
16:05-16:10	0	0	0	10	20	0	3	9	0	14	116	7	179
16:10-16:15	0	0	0	11	13	0	5	9	0	10	119	5	172
16:15-16:20	0	0	0	13	17	0	6	10	0	14	116	4	180
16:20-16:25	0	0	0	7	15	0	5	9	0	11	95	7	149
16:25-16:30	0	0	0	4	16	0	6	11	0	13	153	3	206
16:30-16:35	0	0	0	7	15	0	4	11	0	5	129	9	180
16:35-16:40	0	0	0	6	16	0	6	10	0	7	117	14	176
16:40-16:45	0	0	0	11	13	0	6	8	0	14	124	4	180
16:45-16:50	0	0	0	5	6	0	2	3	0	15	135	9	175
16:50-16:55	0	0	0	9	17	0	3	7	0	20	102	6	164
16:55-17:00	0	0	0	4	18	0	5	6	0	13	120	3	169
17:00-17:05	0	0	0	6	3	0	6	7	0	12	123	5	162
17:05-17:10	0	0	0	5	9	0	3	7	0	8	160	6	198
17:10-17:15	0	0	0	4	19	0	8	12	0	15	138	8	204
17:15-17:20	0	0	0	8	9	0	3	6	0	10	134	6	176
17:20-17:25	0	0	0	6	11	0	9	11	0	16	141	7	201
17:25-17:30	0	0	0	7	9	0	10	6	0	14	107	5	158
17:30-17:35	0	0	0	14	10	0	6	10	0	4	110	2	156
17:35-17:40	0	0	0	2	13	0	5	10	0	12	134	2	178
17:40-17:45	0	0	0	3	13	0	10	7	0	12	134	8	187
17:45-17:50	0	0	0	3	10	0	13	6	0	11	114	6	163
17:50-17:55	0	0	0	8	13	0	6	7	0	13	127	6	180
17:55-18:00	0	0	0	6	10	0	10	3	0	11	114	8	162
18:00-18:05	0	0	0	3	12	0	6	9	0	16	105	5	156
18:05-18:10	0	0	0	5	11	0	12	10	0	11	88	6	143
18:10-18:15	0	0	0	3	13	0	5	3	0	13	98	6	141
18:15-18:20	0	0	0	3	9	0	8	4	0	18	83	4	129
18:20-18:25	0	0	0	6	6	0	6	11	0	9	92	7	137
18:25-18:30	0	0	0	6	5	0	8	8	0	14	90	3	134
18:30-18:35	0	0	0	3	5	0	10	6	0	17	75	7	123
18:35-18:40	0	0	0	3	9	0	4	6	0	8	75	4	109
18:40-18:45	0	0	0	2	7	0	8	9	0	7	108	3	144
18:45-18:50	0	0	0	4	6	0	9	6	0	16	71	2	114
18:50-18:55	0	0	0	4	6	0	5	7	0	8	110	4	144
18:55-19:00	0	0	0	4	7	0	15	15	0	4	80	2	127

TOTALS	0	0	0	212	407	0	242	294	0	426	4031	194	5806
PHF	0	0	0	0.75	0.81	0	0.76	0.77	0	0.76	0.91	0.74	0.94
% Trucks	0	0	0	4.7	5.4	0	5	9.9	0	1.9	1.9	2.1	2.8
Stopped Buses	0	0	0	0	0	0	0	0	0	0	0	0	0
Pedestrians		10			11			25			26		

INTERSECTION TURN MOVEMENT PEAK HOUR REPORT

File: W0HM38.mod



LOCATION:
10TH AVENUE/ ADAIR STREET
CORNELIUS, OR

Date: **10/05/04** Day: **TUE**
Time: **16:00 - 19:00**

Report Prepared for:
DKS

Surveyed By:
TRAFFIC SMITHY, INC
1225 NW MURRAY BLVD
PORTLAND, OR 97209
Phone: 503-641-6333 Fax: 503-643-8866

Report Reviewed by: **KH**

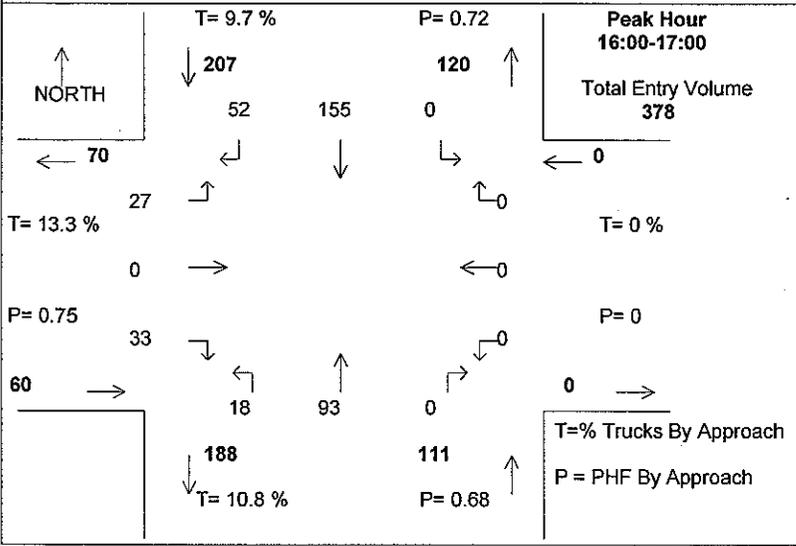
TIME PERIOD	EASTBOUND			SOUTHBOUND			NORTHBOUND			WESTBOUND			ALL
	↘	→	↗	↙	↓	↘	↖	↑	↗	↖	↗		
ALL VEHICLES													
16:30-16:45	0	0	0	24	44	0	16	29	0	26	370	27	536
16:45-17:00	0	0	0	18	41	0	10	16	0	48	357	18	508
17:00-17:15	0	0	0	15	31	0	17	26	0	35	421	19	564
17:15-17:30	0	0	0	21	29	0	22	23	0	40	382	18	535
LIGHT TRUCKS (SINGLE UNIT 2 AXLES)													
16:30-16:45	0	0	0	1	1	0	3	1	0	0	5	1	12
16:45-17:00	0	0	0	1	1	0	1	0	0	0	5	1	9
17:00-17:15	0	0	0	0	0	0	0	0	0	1	5	0	6
17:15-17:30	0	0	0	0	0	0	0	0	0	0	4	0	4
MEDIUM TRUCKS (SINGLE UNIT >2 AXLES)													
16:30-16:45	0	0	0	0	2	0	0	2	0	1	2	0	7
16:45-17:00	0	0	0	0	0	0	0	0	0	0	1	0	1
17:00-17:15	0	0	0	0	0	0	0	2	0	0	0	0	2
17:15-17:30	0	0	0	0	0	0	0	1	0	1	2	0	4
HEAVY TRUCKS (SEMI-TRACTOR TRAILER)													
16:30-16:45	0	0	0	0	3	0	0	1	0	0	2	0	6
16:45-17:00	0	0	0	0	0	0	0	0	0	0	1	0	1
17:00-17:15	0	0	0	0	1	0	0	1	0	0	2	0	4
17:15-17:30	0	0	0	0	0	0	0	1	0	0	0	1	2
BICYCLES													
16:30-16:45	0	0	0	0	1	0	0	0	0	0	0	0	1
16:45-17:00	0	0	0	1	1	0	0	1	0	0	1	0	4
17:00-17:15	0	0	0	0	0	0	0	0	0	0	0	0	0
17:15-17:30	0	0	0	0	0	0	0	1	1	0	2	0	4
PEDESTRIANS													
Crosswalk	SOUTH			WEST			EAST			NORTH			ALL
16:30-16:45	1			1			4			7			13
16:45-17:00	3			5			2			1			11
17:00-17:15	0			0			1			2			3
17:15-17:30	3			1			1			5			10

Peak Hour By Movement													
PHF	0	0	0	0.81	0.82	0	0.74	0.81	0	0.78	0.91	0.76	0.95
% Trucks(All)	0	0	0	2.6	5.5	0	6.2	9.6	0	2	1.9	3.7	2.7
% Trucks(M+H)	0	0	0	0	4.1	0	0	8.5	0	1.3	0.7	1.2	1.3
Stopped Buses	0	0	0	0	0	0	0	0	0	0	0	0	0

Hourly Totals													
16:00-17:00	0	0	0	94	182	0	57	108	0	147	1420	72	2080
16:15-17:15	0	0	0	81	164	0	60	101	0	147	1512	78	2143
16:30-17:30	0	0	0	78	145	0	65	94	0	149	1530	82	2143
16:45-17:45	0	0	0	73	137	0	70	92	0	151	1538	67	2128
17:00-18:00	0	0	0	72	129	0	89	92	0	138	1536	69	2125
17:15-18:15	0	0	0	68	134	0	95	88	0	143	1406	67	2001
17:30-18:30	0	0	0	62	125	0	95	88	0	144	1289	63	1866
17:45-18:45	0	0	0	51	110	0	96	82	0	148	1169	65	1721
18:00-19:00	0	0	0	46	96	0	96	94	0	141	1075	53	1601

INTERSECTION TURN MOVEMENT PEAK HOUR REPORT

File: W0HO52.mod



LOCATION:
N 10TH AVENUE/ HOLLADAY DRIVE
CORNELIUS, OR

Date: **10/05/04** Day: **TUE**
Time: **16:00 - 19:00**

Report Prepared for:
DKS

Surveyed By:
TRAFFIC SMITHY, INC
1225 NW MURRAY BLVD
PORTLAND, OR 97209
Phone: 503-641-6333 Fax: 503-643-8866

Report Reviewed by: *KH*

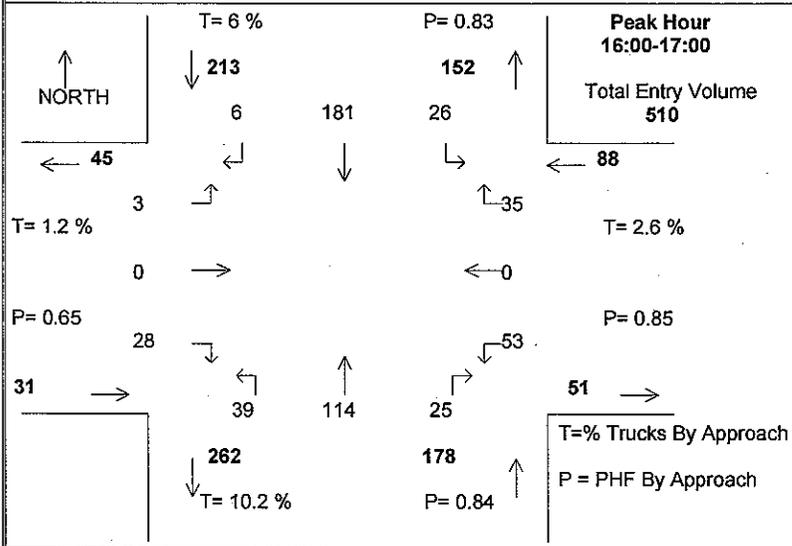
TIME PERIOD	EASTBOUND			SOUTHBOUND			NORTHBOUND			WESTBOUND			ALL
	↘	→	↗	↙	↓	↘	↖	↑	↗	↖	↗		
ALL VEHICLES													
16:00-16:15	7	0	13	18	54	0	4	27	0	0	0	0	123
16:15-16:30	5	0	5	15	34	0	4	16	0	0	0	0	79
16:30-16:45	8	0	5	9	43	0	7	34	0	0	0	0	106
16:45-17:00	13	0	4	10	24	0	3	16	0	0	0	0	70
LIGHT TRUCKS (SINGLE UNIT 2 AXLES)													
16:00-16:15	2	0	0	0	1	0	0	0	0	0	0	0	3
16:15-16:30	0	0	0	1	0	0	0	0	0	0	0	0	1
16:30-16:45	1	0	1	1	2	0	2	0	0	0	0	0	7
16:45-17:00	0	0	0	0	0	0	0	0	0	0	0	0	0
MEDIUM TRUCKS (SINGLE UNIT >2 AXLES)													
16:00-16:15	0	0	2	1	0	0	1	3	0	0	0	0	7
16:15-16:30	0	0	0	1	0	0	0	0	0	0	0	0	1
16:30-16:45	0	0	0	1	0	0	0	1	0	0	0	0	2
16:45-17:00	0	0	0	2	0	0	0	0	0	0	0	0	2
HEAVY TRUCKS (SEMI-TRACTOR TRAILER)													
16:00-16:15	0	0	0	3	1	0	0	3	0	0	0	0	7
16:15-16:30	0	0	1	2	1	0	0	0	0	0	0	0	4
16:30-16:45	1	0	0	0	3	0	0	2	0	0	0	0	6
16:45-17:00	0	0	0	0	0	0	0	0	0	0	0	0	0
BICYCLES													
16:00-16:15	0	0	0	0	0	0	0	0	0	0	0	0	0
16:15-16:30	0	0	0	0	0	0	0	0	0	0	0	0	0
16:30-16:45	0	0	0	0	0	0	0	0	0	0	0	0	0
16:45-17:00	0	0	0	0	0	0	0	0	0	0	0	0	0
PEDESTRIANS													
Crosswalk	SOUTH			WEST			EAST			NORTH			ALL
16:00-16:15	0	0	0	0	0	0	0	0	0	0	0	0	0
16:15-16:30	0	0	0	0	0	0	0	0	0	0	0	0	0
16:30-16:45	0	0	0	0	0	0	0	0	0	0	0	0	0
16:45-17:00	0	0	0	0	0	0	0	0	0	0	0	0	0

Peak Hour By Movement												
PHF	0.63	0	0.52	0.72	0.72	0	0.64	0.68	0	0	0	0.77
% Trucks(All)	12.1	0	14.8	23.1	5.2	0	16.7	9.7	0	0	0	10.6
% Trucks(M+H)	3	0	11.1	19.2	3.2	0	5.6	9.7	0	0	0	7.7
Stopped Buses	0	0	0	0	0	0	0	0	0	0	0	0

Hourly Totals													
16:00-17:00	33	0	27	52	155	0	18	93	0	0	0	0	378
16:15-17:15	33	0	19	38	125	0	17	90	0	0	0	0	322
16:30-17:30	33	0	20	32	120	0	15	103	0	0	0	0	323
16:45-17:45	29	0	17	27	104	0	10	90	0	0	0	0	277
17:00-18:00	21	0	17	22	108	0	10	91	0	0	0	0	269
17:15-18:15	17	0	17	22	99	0	8	88	0	0	0	0	251
17:30-18:30	13	0	15	14	93	0	11	82	0	0	0	0	228
17:45-18:45	17	0	16	14	81	0	10	78	0	0	0	0	216
18:00-19:00	13	0	12	11	65	0	8	73	0	0	0	0	182

INTERSECTION TURN MOVEMENT SUMMARY REPORT

File: W0HN15.TM1



LOCATION:
N 10TH AVENUE/ DAVIS STREET
CORNELIUS, OR

Date: 10/05/04 Day: TUE
Time: 16:00 - 19:00

Report Prepared for:
DKS

Surveyed By:
TRAFFIC SMITHY, INC
1225 NW MURRAY BLVD
PORTLAND, OR 97209
Phone: 503-641-6333 Fax: 503-643-8866

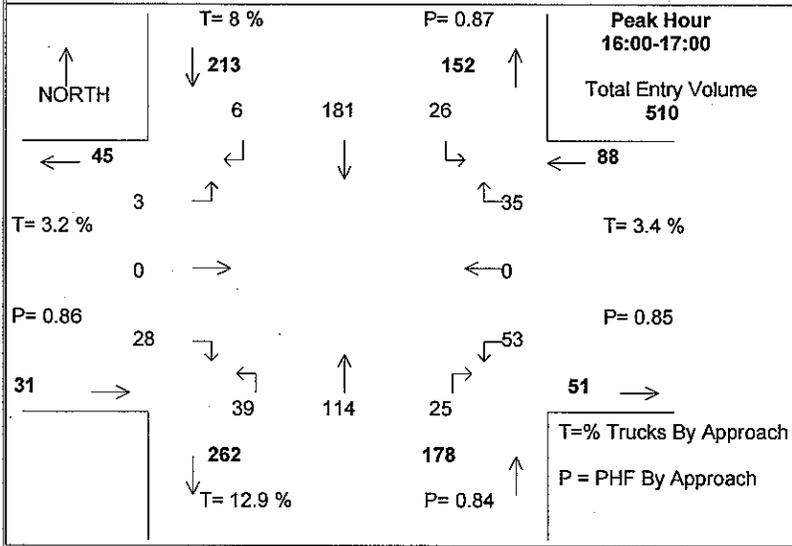
Report Reviewed by: KH

TIME PERIOD	EASTBOUND			SOUTHBOUND			NORTHBOUND			WESTBOUND			ALL
	↘	→	↗	↙	↓	↘	↖	↑	↗	↙	←	↖	
16:00-16:05	2	0	0	0	16	1	2	15	4	4	0	2	46
16:05-16:10	4	0	0	0	16	2	1	10	1	3	0	1	38
16:10-16:15	3	0	0	2	20	2	6	9	5	4	0	3	54
16:15-16:20	1	0	0	1	18	1	2	11	0	5	0	2	41
16:20-16:25	3	0	1	0	19	1	6	9	3	8	0	3	53
16:25-16:30	4	0	0	1	15	5	5	4	2	5	0	3	44
16:30-16:35	4	0	0	0	14	2	4	5	1	2	0	3	35
16:35-16:40	1	0	0	0	16	3	2	10	2	4	0	6	44
16:40-16:45	2	0	1	1	15	3	6	11	0	2	0	4	45
16:45-16:50	2	0	1	0	14	2	2	13	3	4	0	4	45
16:50-16:55	0	0	0	1	4	3	0	9	3	8	0	3	31
16:55-17:00	2	0	0	0	14	1	3	8	1	4	0	1	34
17:00-17:05	1	1	0	0	14	3	3	3	0	3	0	1	29
17:05-17:10	1	0	0	2	8	2	1	7	1	3	0	1	26
17:10-17:15	1	0	1	1	5	6	3	10	1	5	0	2	35
17:15-17:20	2	1	2	1	13	5	2	7	3	1	0	2	39
17:20-17:25	1	0	0	0	12	0	2	12	4	4	0	3	38
17:25-17:30	4	0	0	0	6	1	3	8	1	3	1	1	28
17:30-17:35	6	1	0	0	14	1	0	8	2	0	0	0	32
17:35-17:40	1	0	0	0	8	2	1	8	4	4	0	1	29
17:40-17:45	1	1	0	0	8	1	2	4	1	4	0	1	23
17:45-17:50	0	0	1	1	12	3	1	11	2	3	0	1	35
17:50-17:55	0	0	0	1	7	0	3	10	1	4	1	2	29
17:55-18:00	2	0	1	0	13	2	4	5	2	5	0	0	34
18:00-18:05	2	0	0	1	9	2	2	8	2	5	1	1	33
18:05-18:10	3	0	0	2	10	2	1	9	3	4	0	3	37
18:10-18:15	3	0	1	0	4	2	0	7	3	1	0	2	23
18:15-18:20	1	0	0	0	12	2	2	8	2	2	0	1	30
18:20-18:25	0	0	1	1	12	0	0	5	2	3	0	1	25
18:25-18:30	2	1	1	0	9	0	4	8	1	2	0	2	30
18:30-18:35	1	1	1	0	8	2	1	10	3	3	0	2	32
18:35-18:40	2	0	0	0	4	2	3	9	2	3	0	1	26
18:40-18:45	1	0	0	0	12	2	2	5	2	1	0	0	25
18:45-18:50	0	0	0	0	4	1	1	7	2	1	0	2	18
18:50-18:55	2	0	0	0	9	1	3	2	1	1	0	2	21
18:55-19:00	0	0	0	0	4	0	2	1	2	2	0	2	13

TOTALS	65	6	12	16	398	68	85	286	72	120	3	69	1200
PHF	0.64	0	0.38	0.5	0.79	0.65	0.65	0.84	0.63	0.74	0	0.63	0.86
% Trucks	1.5	0	0	0	7.3	0	1.2	15	1.4	4.2	0	0	6.7
Stopped Buses	0	0	0	0	0	0	0	0	0	0	0	0	
Pedestrians		2			19			1			3		

INTERSECTION TURN MOVEMENT PEAK HOUR REPORT

File: W0HN15.TM1



LOCATION:
N 10TH AVENUE/ DAVIS STREET
CORNELIUS, OR

Date: **10/05/04** Day: **TUE**
Time: **16:00 - 19:00**

Report Prepared for:
DKS

Surveyed By:
TRAFFIC SMITHY, INC
1225 NW MURRAY BLVD
PORTLAND, OR 97209
Phone: 503-641-6333 Fax: 503-643-8866

Report Reviewed by: *KH*

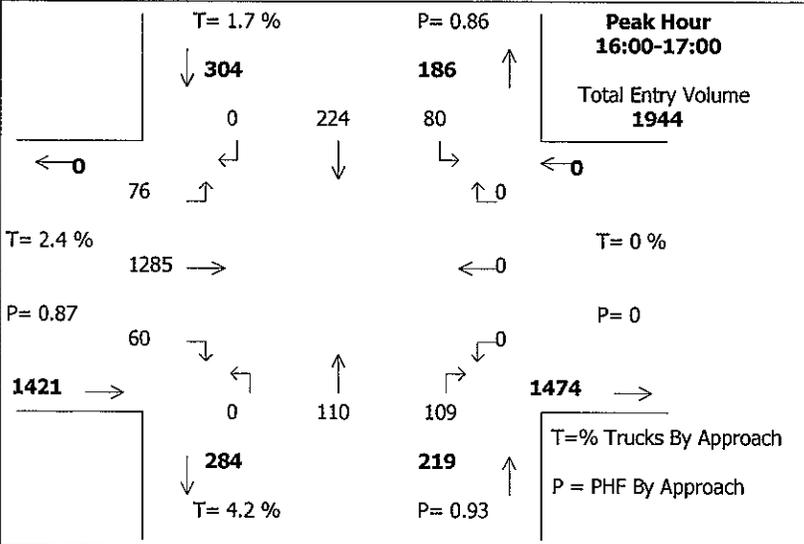
TIME PERIOD	EASTBOUND			SOUTHBOUND			NORTHBOUND			WESTBOUND			ALL
	↘	→	↗	↙	↓	↘	↖	↑	↗	↖	↗		
ALL VEHICLES													
16:00-16:15	9	0	0	2	52	5	9	34	10	11	0	6	138
16:15-16:30	8	0	1	2	52	7	13	24	5	18	0	8	138
16:30-16:45	7	0	1	1	45	8	12	26	3	8	0	13	124
16:45-17:00	4	0	1	1	32	6	5	30	7	16	0	8	110
LIGHT TRUCKS (SINGLE UNIT 2 AXLES)													
16:00-16:15	0	0	0	0	4	0	0	1	1	1	0	0	7
16:15-16:30	0	0	0	0	1	0	0	1	0	1	0	0	3
16:30-16:45	1	0	0	0	2	0	1	3	0	0	0	0	7
16:45-17:00	0	0	0	0	2	0	0	0	0	1	0	0	3
MEDIUM TRUCKS (SINGLE UNIT >2 AXLES)													
16:00-16:15	0	0	0	0	0	0	0	8	0	0	0	0	8
16:15-16:30	0	0	0	0	1	0	0	1	0	0	0	0	2
16:30-16:45	0	0	0	0	2	0	0	0	0	0	0	0	2
16:45-17:00	0	0	0	0	0	0	0	1	0	0	0	0	1
HEAVY TRUCKS (SEMI-TRACTOR TRAILER)													
16:00-16:15	0	0	0	0	0	0	0	3	0	0	0	0	3
16:15-16:30	0	0	0	0	2	0	0	1	0	0	0	0	3
16:30-16:45	0	0	0	0	2	0	0	1	0	0	0	0	3
16:45-17:00	0	0	0	0	1	0	0	1	0	0	0	0	2
BICYCLES													
16:00-16:15	0	0	0	0	0	0	0	0	0	0	0	0	0
16:15-16:30	0	0	0	0	0	0	0	0	2	1	0	0	3
16:30-16:45	0	0	0	0	1	0	1	0	0	0	0	0	2
16:45-17:00	1	0	0	0	0	0	0	1	0	0	0	0	2
PEDESTRIANS													
Crosswalk	SOUTH			WEST			EAST			NORTH			ALL
16:00-16:15	0			1			0			0			1
16:15-16:30	0			6			0			2			8
16:30-16:45	0			0			1			0			1
16:45-17:00	0			0			0			0			0

	PHF	0.78	0	0.75	0.75	0.87	0.81	0.75	0.84	0.63	0.74	0	0.67	0.92
% Trucks(All)	3.6	0	0	0	9.4	0	2.6	18.4	4	5.7	0	0	8.6	
% Trucks(M+H)	0	0	0	0	4.4	0	0	14	0	0	0	0	4.7	
Stopped Buses	0	0	0	0	0	0	0	0	0	0	0	0	0	

Hourly Period	28	0	3	6	181	26	39	114	25	53	0	35	510
16:00-17:00	28	0	3	6	181	26	39	114	25	53	0	35	510
16:15-17:15	22	1	4	7	156	32	37	100	17	53	0	33	462
16:30-17:30	21	2	5	6	135	31	31	103	20	43	1	31	429
16:45-17:45	22	4	4	5	120	27	22	97	24	43	1	20	389
17:00-18:00	20	4	5	6	120	26	25	93	22	39	2	15	377
17:15-18:15	25	3	5	6	116	21	21	97	28	38	3	17	380
17:30-18:30	21	3	5	6	118	17	20	91	25	37	2	15	360
17:45-18:45	17	2	6	6	112	19	23	95	25	36	2	16	359
18:00-19:00	17	2	4	4	97	16	21	79	25	28	1	19	313

INTERSECTION TURN MOVEMENT SUMMARY REPORT

File: ERAZ



LOCATION:

10TH AVE AT BASELINE ST
CORNELIUS, OR

Date: **10/06/04** Day: **WED**
Time: **16:00 - 19:00**

Report Prepared for:
DKS ASSOCIATES

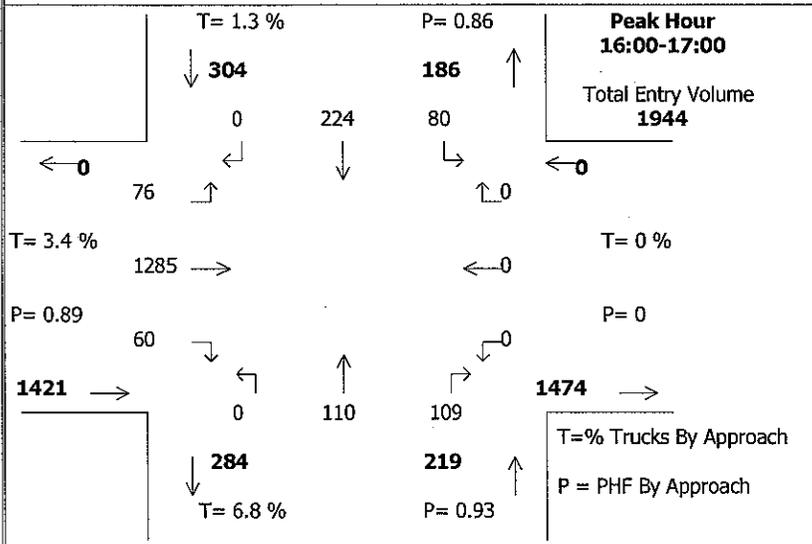
Surveyed By:
TRAFFIC SMITHY, INC
1225 NW Murray Blvd Suite 111
Portland, OR 97229
Phone: 503-641-6333 Fax: 503-643-8866

Report Reviewed by: JG

TIME PERIOD	EASTBOUND			SOUTHBOUND			NORTHBOUND			WESTBOUND			ALL
	↘	→	↗	↙	↓	↘	↖	↑	↗	↖	↗		
16:00-16:05	5	117	7	0	13	4	0	15	6	0	0	0	167
16:05-16:10	4	98	6	0	19	10	0	7	7	0	0	0	151
16:10-16:15	5	113	1	0	20	6	0	9	6	0	0	0	160
16:15-16:20	3	129	7	0	15	7	0	4	14	0	0	0	179
16:20-16:25	7	138	5	0	32	7	0	13	8	0	0	0	210
16:25-16:30	3	99	9	0	21	6	0	10	10	0	0	0	158
16:30-16:35	1	101	4	0	15	7	0	6	9	0	0	0	143
16:35-16:40	6	111	9	0	17	2	0	9	9	0	0	0	163
16:40-16:45	4	86	9	0	18	8	0	13	11	0	0	0	149
16:45-16:50	10	115	5	0	19	9	0	4	9	0	0	0	171
16:50-16:55	6	89	6	0	13	8	0	9	6	0	0	0	137
16:55-17:00	6	89	8	0	22	6	0	11	14	0	0	0	156
17:00-17:05	6	84	3	0	12	8	0	8	5	0	0	0	126
17:05-17:10	6	121	5	0	15	5	0	6	7	0	0	0	165
17:10-17:15	6	109	8	0	18	4	0	13	11	0	0	0	169
17:15-17:20	5	98	3	0	21	6	0	11	10	0	0	0	154
17:20-17:25	4	114	2	0	22	4	0	2	7	0	0	0	155
17:25-17:30	5	115	5	0	17	7	0	7	6	0	0	0	162
17:30-17:35	8	81	5	0	15	3	0	9	16	0	0	0	137
17:35-17:40	5	102	7	0	18	3	0	10	8	0	0	0	153
17:40-17:45	5	99	8	0	21	8	0	11	11	0	0	0	163
17:45-17:50	6	86	9	0	18	6	0	10	9	0	0	0	144
17:50-17:55	6	83	4	0	21	7	0	7	10	0	0	0	138
17:55-18:00	2	108	7	0	19	5	0	6	6	0	0	0	153
18:00-18:05	4	105	3	0	15	8	0	9	15	0	0	0	159
18:05-18:10	8	105	3	0	9	1	0	11	8	0	0	0	145
18:10-18:15	1	94	5	0	18	4	0	8	10	0	0	0	140
18:15-18:20	7	73	5	0	18	7	0	12	5	0	0	0	127
18:20-18:25	6	86	8	0	9	3	0	9	14	0	0	0	135
18:25-18:30	3	96	3	0	24	2	0	9	12	0	0	0	149
18:30-18:35	1	83	7	0	11	4	0	7	6	0	0	0	119
18:35-18:40	8	80	4	0	15	6	0	9	14	0	0	0	136
18:40-18:45	0	79	4	0	15	1	0	10	12	0	0	0	121
18:45-18:50	2	75	4	0	22	4	0	4	13	0	0	0	124
18:50-18:55	2	69	1	0	9	2	0	4	4	0	0	0	91
18:55-19:00	4	67	8	0	11	4	0	7	7	0	0	0	108
TOTALS	170	3497	197	0	617	192	0	309	335	0	0	0	5317
PHF	0.68	0.85	0.83	0	0.82	0.8	0	0.89	0.85	0	0	0	0.89
% Trucks	7.6	2.2	2	0	1.6	2.1	0	6.1	2.4	0	0	0	2.5
Stopped Buses	0	9	0	0	0	0	0	0	0	0	0	0	
Pedestrians		2			21			5					

INTERSECTION TURN MOVEMENT PEAK HOUR REPORT

File: ERAZ



LOCATION:

10TH AVE AT BASELINE ST
CORNELIUS, OR

Date: **10/06/04** Day: **WED**
Time: **16:00 - 19:00**

Report Prepared for:
DKS ASSOCIATES

Surveyed By:
TRAFFIC SMITHY, INC
1225 NW Murray Blvd Suite 111
Portland, OR 97229
Phone: 503-641-6333 Fax: 503-643-8866

Report Reviewed by: JG

TIME PERIOD	EASTBOUND			SOUTHBOUND			NORTHBOUND			WESTBOUND			ALL
	↘	→	↗	↙	↓	↘	↖	↑	↗	←	↖		

TIME PERIOD	↘	→	↗	↙	↓	↘	↖	↑	↗	←	↖	ALL	
ALL VEHICLES													
16:00-16:15	14	328	14	0	52	20	0	31	19	0	0	0	478
16:15-16:30	13	366	21	0	68	20	0	27	32	0	0	0	547
16:30-16:45	11	298	22	0	50	17	0	28	29	0	0	0	455
16:45-17:00	22	293	19	0	54	23	0	24	29	0	0	0	464

TIME PERIOD	↘	→	↗	↙	↓	↘	↖	↑	↗	←	↖	ALL	
LIGHT TRUCKS (SINGLE UNIT 2 AXLES)													
16:00-16:15	1	8	1	0	0	0	0	2	1	0	0	0	13
16:15-16:30	1	10	0	0	1	0	0	0	2	0	0	0	14
16:30-16:45	0	3	0	0	0	0	0	0	2	0	0	0	5
16:45-17:00	2	5	0	0	0	1	0	0	0	0	0	0	8

TIME PERIOD	↘	→	↗	↙	↓	↘	↖	↑	↗	←	↖	ALL	
MEDIUM TRUCKS (SINGLE UNIT >2 AXLES)													
16:00-16:15	0	2	0	0	0	0	0	0	0	0	0	0	2
16:15-16:30	0	4	0	0	0	0	0	0	0	0	0	0	4
16:30-16:45	0	3	0	0	0	0	0	0	0	0	0	0	3
16:45-17:00	1	2	0	0	0	0	0	0	0	0	0	0	3

TIME PERIOD	↘	→	↗	↙	↓	↘	↖	↑	↗	←	↖	ALL	
HEAVY TRUCKS (SEMI-TRACTOR TRAILER)													
16:00-16:15	1	0	0	0	1	0	0	4	0	0	0	0	6
16:15-16:30	1	2	0	0	1	0	0	2	0	0	0	0	6
16:30-16:45	0	0	1	0	0	0	0	2	0	0	0	0	3
16:45-17:00	1	0	0	0	0	0	0	0	0	0	0	0	1

TIME PERIOD	↘	→	↗	↙	↓	↘	↖	↑	↗	←	↖	ALL	
BICYCLES													
16:00-16:15	0	1	0	0	0	0	0	0	0	0	0	0	1
16:15-16:30	0	1	0	0	0	0	0	0	0	0	0	0	1
16:30-16:45	0	0	0	0	0	0	0	0	0	0	0	0	0
16:45-17:00	0	0	0	0	0	0	0	0	0	0	0	0	0

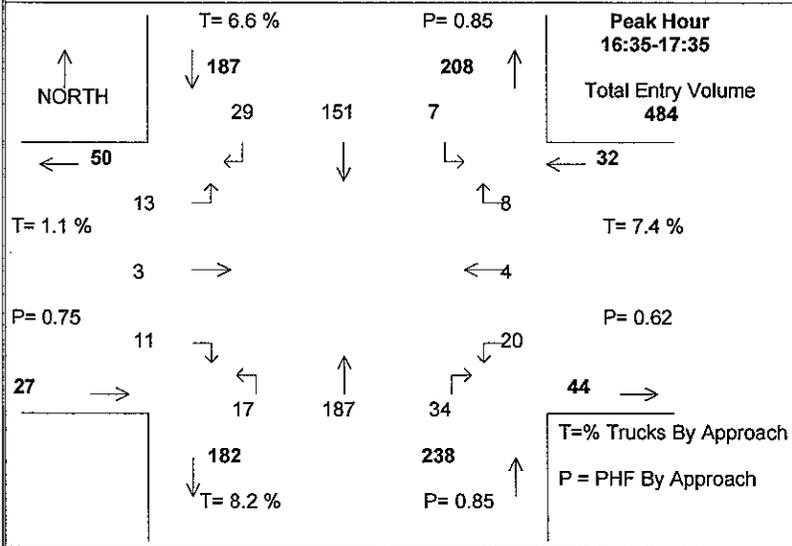
TIME PERIOD	SOUTH			WEST			EAST			NORTH			ALL
PEDESTRIANS													
Crosswalk													
16:00-16:15	0			3			0			0			3
16:15-16:30	0			2			1			0			3
16:30-16:45	0			1			0			0			1
16:45-17:00	0			1			1			0			2

PHF	0.68	0.88	0.86	0	0.82	0.87	0	0.89	0.85	0	0	0	0.89
Peak Hour By Movement													
% Trucks(All)	13.3	3	2.6	0	1.3	1.3	0	9.1	4.6	0	0	0	3.5
% Trucks(M+H)	6.7	1	1.3	0	0.9	0	0	7.3	0	0	0	0	1.4
Stopped Buses	0	5	0	0	0	0	0	0	0	0	0	0	5

Hourly Totals	60	1285	76	0	224	80	0	110	109	0	0	0	1944
16:00-17:00	60	1285	76	0	224	80	0	110	109	0	0	0	1944
16:15-17:15	64	1271	78	0	217	77	0	106	113	0	0	0	1926
16:30-17:30	65	1232	67	0	209	74	0	99	104	0	0	0	1850
16:45-17:45	72	1216	65	0	213	71	0	101	110	0	0	0	1848
17:00-18:00	64	1200	66	0	217	66	0	100	106	0	0	0	1819
17:15-18:15	59	1190	61	0	214	62	0	101	116	0	0	0	1803
17:30-18:30	61	1118	67	0	205	57	0	111	124	0	0	0	1743
17:45-18:45	52	1078	62	0	192	54	0	107	121	0	0	0	1666
18:00-19:00	46	1012	55	0	176	46	0	99	120	0	0	0	1554

INTERSECTION TURN MOVEMENT SUMMARY REPORT

File: W0HR28.TM1



LOCATION:
S 10TH AVENUE/LINDEN STREET/FLAX PLANT ROAD
CORNELIUS, OR

Date: **10/15/04** Day: **TUE**
Time: **16:00 - 19:00**

Report Prepared for:
DKS

Surveyed By:
TRAFFIC SMITHY, INC
1225 NW MURRAY BLVD
PORTLAND, OR 97209
Phone: 503-641-6333 Fax: 503-643-8866

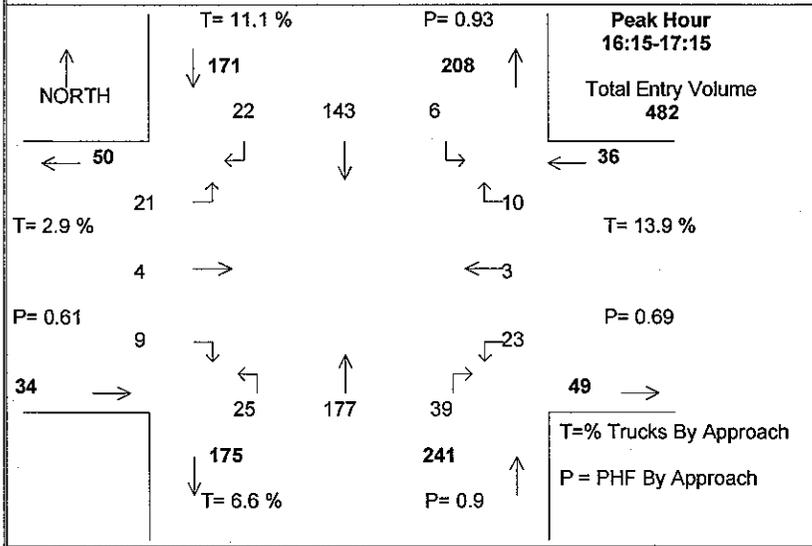
Report Reviewed by: *KH*

TIME PERIOD	EASTBOUND			SOUTHBOUND			NORTHBOUND			WESTBOUND			ALL
	↙	→	↗	↙	↓	↘	↙	↑	↘	←	↖		
16:00-16:05	0	0	2	2	10	0	1	15	2	5	0	0	37
16:05-16:10	0	0	5	1	12	0	2	12	2	0	0	0	34
16:10-16:15	0	0	0	4	11	0	3	14	5	0	1	0	38
16:15-16:20	0	0	3	5	12	1	5	21	4	4	1	0	56
16:20-16:25	3	1	1	0	10	0	4	12	5	2	0	1	39
16:25-16:30	0	0	6	3	14	0	0	11	1	2	0	1	38
16:30-16:35	1	0	1	1	10	1	1	8	7	1	0	2	33
16:35-16:40	0	0	0	2	12	2	2	18	5	2	0	0	43
16:40-16:45	1	0	2	2	15	1	1	23	2	1	1	0	49
16:45-16:50	1	0	3	0	12	0	0	18	1	0	0	1	36
16:50-16:55	0	1	1	1	14	1	3	13	7	3	0	1	45
16:55-17:00	1	0	1	2	11	0	2	12	2	0	0	0	31
17:00-17:05	0	2	0	3	10	0	3	18	1	1	0	2	40
17:05-17:10	1	0	2	2	7	0	2	9	3	5	0	1	32
17:10-17:15	1	0	1	1	16	0	2	14	1	2	1	1	40
17:15-17:20	3	0	0	4	17	0	1	16	2	2	1	0	46
17:20-17:25	2	0	0	1	14	0	0	13	4	1	1	0	36
17:25-17:30	0	0	2	3	14	2	1	21	2	2	0	1	48
17:30-17:35	1	0	1	8	9	1	0	12	4	1	0	1	38
17:35-17:40	0	0	2	5	8	0	2	16	2	1	0	0	36
17:40-17:45	1	0	2	3	10	0	0	18	2	4	0	1	41
17:45-17:50	0	0	2	3	15	0	0	22	2	3	0	0	47
17:50-17:55	0	0	0	12	12	1	1	9	2	1	0	2	40
17:55-18:00	0	0	0	4	5	1	5	11	1	0	0	2	29
18:00-18:05	2	0	2	5	17	0	1	11	3	3	0	0	44
18:05-18:10	0	1	1	4	8	0	0	16	2	0	1	0	33
18:10-18:15	0	0	3	3	11	0	2	15	0	2	0	1	37
18:15-18:20	1	1	1	1	12	1	4	13	2	0	0	1	37
18:20-18:25	0	1	1	4	12	0	1	10	4	0	1	0	34
18:25-18:30	0	1	1	2	10	0	0	11	1	1	0	0	27
18:30-18:35	0	1	1	3	8	0	0	15	4	2	1	0	35
18:35-18:40	0	0	2	5	7	0	0	7	1	0	3	0	25
18:40-18:45	1	0	1	2	9	1	0	6	0	2	1	1	24
18:45-18:50	0	1	5	1	6	0	3	7	0	2	1	0	26
18:50-18:55	0	0	1	1	10	0	0	9	1	0	0	1	23
18:55-19:00	0	1	7	3	5	0	0	4	2	3	1	0	26

TOTALS	20	11	63	106	395	13	52	480	89	58	15	21	1323
PHF	0.46	0.25	0.54	0.6	0.8	0.58	0.53	0.79	0.85	0.56	0.33	0.5	0.93
% Trucks	5	0	0	0.9	7.3	30.8	3.8	9.6	3.4	6.9	0	14.3	7
Stopped Buses	0	0	0	1	0	0	0	0	0	0	0	0	
Pedestrians		0			4			0			6		

INTERSECTION TURN MOVEMENT PEAK HOUR REPORT

File: W0HR28.TM1



LOCATION:
S 10TH AVENUE/LINDEN STREET/FLAX PLANT ROAD
CORNELIUS, OR

Date: 10/15/04 Day: TUE
Time: 16:00 - 19:00

Report Prepared for:
DKS

Surveyed By:
TRAFFIC SMITHY, INC
1225 NW MURRAY BLVD
PORTLAND, OR 97209
Phone: 503-641-6333 Fax: 503-643-8866

Report Reviewed by: KH

TIME PERIOD	EASTBOUND			SOUTHBOUND			NORTHBOUND			WESTBOUND			ALL
	↘	→	↗	↙	↓	↘	↖	↑	↗	↖	↗		
ALL VEHICLES													
16:15-16:30	3	1	10	8	36	1	9	44	10	8	1	2	133
16:30-16:45	2	0	3	5	37	4	4	49	14	4	1	2	125
16:45-17:00	2	1	5	3	37	1	5	43	10	3	0	2	112
17:00-17:15	2	2	3	6	33	0	7	41	5	8	1	4	112
LIGHT TRUCKS (SINGLE UNIT 2 AXLES)													
16:15-16:30	0	0	0	0	4	0	1	2	0	1	0	1	9
16:30-16:45	0	0	0	0	1	0	0	2	1	0	0	0	4
16:45-17:00	1	0	0	0	1	0	0	3	0	1	0	0	6
17:00-17:15	0	0	0	0	1	0	0	2	1	1	0	0	5
MEDIUM TRUCKS (SINGLE UNIT >2 AXLES)													
16:15-16:30	0	0	0	0	0	0	0	1	0	0	0	0	1
16:30-16:45	0	0	0	0	3	0	0	0	0	0	0	0	3
16:45-17:00	0	0	0	0	3	1	0	1	0	0	0	0	5
17:00-17:15	0	0	0	0	0	0	0	0	0	0	0	0	0
HEAVY TRUCKS (SEMI-TRACTOR TRAILER)													
16:15-16:30	0	0	0	0	1	0	0	1	0	0	0	0	2
16:30-16:45	0	0	0	0	2	1	0	1	0	0	0	0	4
16:45-17:00	0	0	0	0	1	0	0	0	0	0	0	1	2
17:00-17:15	0	0	0	0	0	0	0	0	0	0	0	0	0
BICYCLES													
16:15-16:30	0	0	0	0	0	0	0	0	0	0	0	0	0
16:30-16:45	0	0	0	0	0	0	0	0	0	1	0	0	1
16:45-17:00	0	0	0	0	0	0	0	0	0	0	0	0	0
17:00-17:15	0	0	0	0	0	0	0	0	0	0	0	0	0
PEDESTRIANS													
Crosswalk	SOUTH			WEST			EAST			NORTH			ALL
16:15-16:30	0	0	0	0	0	0	0	0	0	0	0	0	0
16:30-16:45	0	0	0	0	0	0	0	0	0	0	0	0	0
16:45-17:00	0	0	0	1	0	0	0	0	0	0	0	0	1
17:00-17:15	0	0	0	0	0	0	0	0	0	1	0	0	1

Peak Hour By Movement

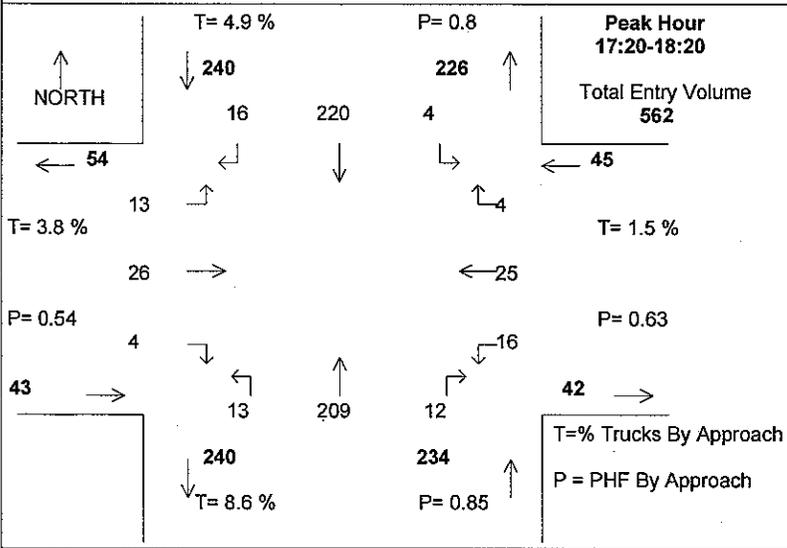
PHF	0.75	0.5	0.52	0.69	0.97	0.38	0.69	0.9	0.7	0.72	0.75	0.63	0.91
% Trucks(All)	11.1	0	0	0	11.9	33.3	4	7.3	5.1	13	0	20	8.5
% Trucks(M+H)	0	0	0	0	7	33.3	0	2.3	0	0	0	10	3.5
Stopped Buses	0	0	0	0	0	0	0	0	0	0	0	0	0

Hourly Totals

16:00-17:00	7	2	25	23	143	6	24	177	43	20	3	6	479
16:15-17:15	9	4	21	22	143	6	25	177	39	23	3	10	482
16:30-17:30	11	3	13	22	152	7	18	183	37	20	4	9	479
16:45-17:45	11	3	15	33	142	4	16	180	31	22	3	9	469
17:00-18:00	9	2	12	49	137	5	17	179	26	23	3	11	473
17:15-18:15	9	1	15	55	140	5	13	180	26	20	3	8	475
17:30-18:30	5	4	16	54	129	4	16	164	25	16	2	8	443
17:45-18:45	4	5	15	48	126	4	14	146	22	14	7	7	412
18:00-19:00	4	7	26	34	115	2	11	124	20	15	9	4	371

INTERSECTION TURN MOVEMENT SUMMARY REPORT

File: W0HP36.TM1



LOCATION:
S 10TH AVENUE/ DOGWOOD STREET
CORNELIUS, OR

Date: **10/05/04** Day: **TUE**
Time: **16:00 - 19:00**

Report Prepared for:
DKS

Surveyed By:
TRAFFIC SMITHY, INC
1225 NW MURRAY BLVD
PORTLAND, OR 97209
Phone: 503-641-6333 Fax: 503-643-8866

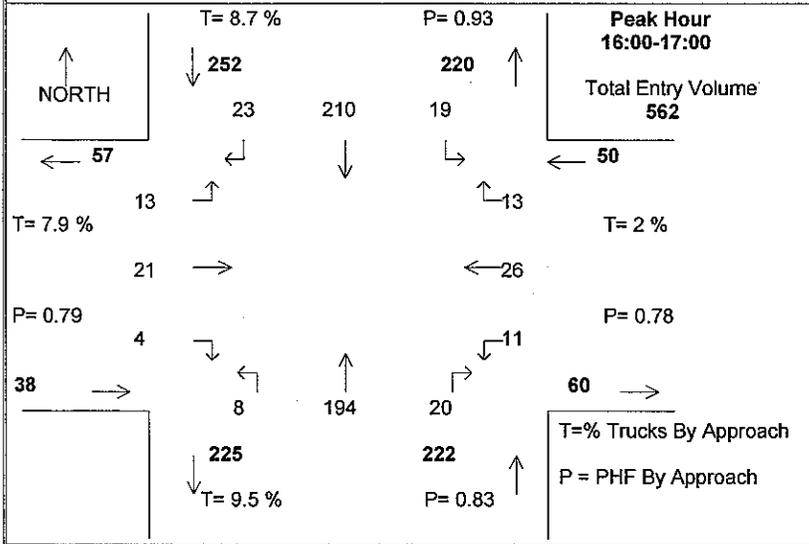
Report Reviewed by: *KH*

TIME PERIOD	EASTBOUND			SOUTHBOUND			NORTHBOUND			WESTBOUND			ALL
	↘	→	↗	↙	↓	↖	↖	↑	↗	↘	←	↖	
16:00-16:05	0	0	1	1	12	1	0	24	0	0	2	1	42
16:05-16:10	0	1	1	3	21	1	2	13	1	2	4	0	49
16:10-16:15	0	3	2	3	22	4	0	14	3	1	1	0	53
16:15-16:20	0	0	3	2	16	2	1	20	3	0	1	3	51
16:20-16:25	2	4	1	1	21	0	1	11	1	0	7	1	50
16:25-16:30	0	2	0	3	12	1	0	13	2	0	1	1	35
16:30-16:35	0	3	3	2	19	3	0	11	2	0	3	1	47
16:35-16:40	2	0	0	0	16	1	1	22	2	2	1	1	48
16:40-16:45	0	2	0	1	16	2	0	27	2	3	1	4	58
16:45-16:50	0	0	1	5	20	2	1	13	2	1	2	0	47
16:50-16:55	0	4	0	2	15	1	0	9	2	1	1	0	35
16:55-17:00	0	2	1	0	20	1	2	17	0	1	2	1	47
17:00-17:05	0	0	0	3	14	0	1	16	0	0	1	1	36
17:05-17:10	0	3	1	2	24	0	1	10	1	2	2	0	46
17:10-17:15	0	0	0	1	19	0	0	14	0	0	4	0	38
17:15-17:20	0	2	1	3	19	0	0	13	0	1	1	1	41
17:20-17:25	0	1	0	1	21	0	2	16	1	0	1	0	43
17:25-17:30	1	2	0	1	14	0	0	16	2	2	4	0	42
17:30-17:35	1	0	1	1	17	0	1	17	1	0	1	0	40
17:35-17:40	0	3	0	1	12	1	2	18	1	3	3	1	45
17:40-17:45	1	1	1	1	16	1	0	26	1	2	2	0	52
17:45-17:50	0	1	1	2	30	1	1	14	1	4	2	1	58
17:50-17:55	0	3	2	2	15	0	2	12	1	3	2	0	42
17:55-18:00	0	4	1	1	24	0	0	15	0	0	4	0	49
18:00-18:05	1	7	2	2	13	1	0	21	0	0	0	0	47
18:05-18:10	0	0	0	0	24	0	4	25	0	0	2	0	55
18:10-18:15	0	3	2	1	15	0	0	16	3	1	0	0	41
18:15-18:20	0	1	3	3	19	0	1	13	1	1	4	2	48
18:20-18:25	0	0	0	1	19	0	0	9	4	0	1	0	34
18:25-18:30	0	0	0	1	13	0	0	14	2	1	5	1	37
18:30-18:35	0	6	3	0	13	0	0	11	3	4	0	1	41
18:35-18:40	0	0	1	2	20	0	0	10	2	1	2	1	39
18:40-18:45	0	0	1	1	11	3	1	10	0	2	1	0	30
18:45-18:50	0	1	1	4	13	0	0	14	2	0	0	3	38
18:50-18:55	0	1	0	2	14	1	0	16	0	0	2	1	37
18:55-19:00	1	1	1	1	13	0	0	26	1	0	1	0	45

TOTALS	9	61	35	60	622	27	24	566	47	38	71	26	1586
PHF	0.5	0.46	0.65	0.8	0.8	0.33	0.65	0.84	0.75	0.44	0.78	0.5	0.91
% Trucks	11.1	1.6	5.7	3.3	5.1	3.7	8.3	9	4.3	0	0	7.7	6.1
Stopped Buses	0	0	0	0	1	0	0	0	0	0	0	0	
Pedestrians		1			10			12			4		

INTERSECTION TURN MOVEMENT PEAK HOUR REPORT

File: W0HP36.TM1



LOCATION:
S 10TH AVENUE/ DOGWOOD STREET
CORNELIUS, OR

Date: **10/05/04** Day: **TUE**
Time: **16:00 - 19:00**

Report Prepared for:
DKS

Surveyed By:
TRAFFIC SMITHY, INC
1225 NW MURRAY BLVD
PORTLAND, OR 97209
Phone: 503-641-6333 Fax: 503-643-8866

Report Reviewed by: *KH*

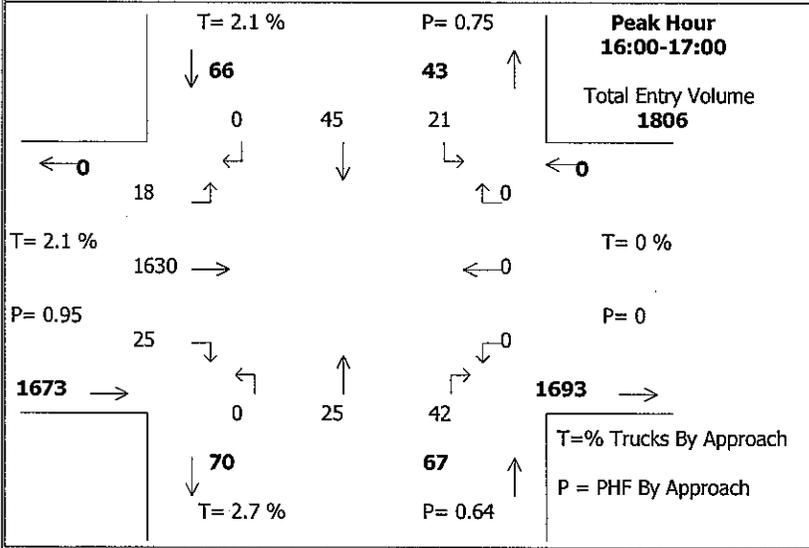
TIME PERIOD	EASTBOUND			SOUTHBOUND			NORTHBOUND			WESTBOUND			ALL
	↘	→	↗	↙	↓	↘	↖	↑	↗	↖	↗		
ALL VEHICLES													
16:00-16:15	0	4	4	7	55	6	2	51	4	3	7	1	144
16:15-16:30	2	6	4	6	49	3	2	44	6	0	9	5	136
16:30-16:45	2	5	3	3	51	6	1	60	6	5	5	6	153
16:45-17:00	0	6	2	7	55	4	3	39	4	3	5	1	129
LIGHT TRUCKS (SINGLE UNIT 2 AXLES)													
16:00-16:15	0	0	1	0	2	0	0	0	0	0	0	0	3
16:15-16:30	0	1	0	0	3	0	0	3	0	0	0	0	7
16:30-16:45	0	0	1	1	1	1	0	6	0	0	0	1	11
16:45-17:00	0	0	0	0	2	0	0	0	0	0	0	0	2
MEDIUM TRUCKS (SINGLE UNIT >2 AXLES)													
16:00-16:15	0	0	0	0	0	0	0	5	0	0	0	0	5
16:15-16:30	0	0	0	0	0	0	0	0	0	0	0	0	0
16:30-16:45	0	0	0	0	4	0	0	2	0	0	0	0	6
16:45-17:00	0	0	0	0	2	0	0	0	0	0	0	0	2
HEAVY TRUCKS (SEMI-TRACTOR TRAILER)													
16:00-16:15	0	0	0	0	0	0	0	4	0	0	0	0	4
16:15-16:30	0	0	0	0	2	0	0	0	0	0	0	0	2
16:30-16:45	0	0	0	0	3	0	0	1	0	0	0	0	4
16:45-17:00	0	0	0	0	1	0	0	0	0	0	0	0	1
BICYCLES													
16:00-16:15	0	0	0	0	0	0	0	2	0	0	0	0	2
16:15-16:30	0	0	0	0	1	0	0	2	0	0	2	0	5
16:30-16:45	0	1	0	0	2	0	0	0	0	0	0	0	3
16:45-17:00	0	1	0	0	0	0	0	2	0	0	0	0	3
PEDESTRIANS													
Crosswalk	SOUTH			WEST			EAST			NORTH			ALL
16:00-16:15	0	0	0	0	0	0	0	0	0	0	0	0	0
16:15-16:30	0	0	0	0	0	0	0	0	0	0	0	0	0
16:30-16:45	0	0	0	0	1	0	0	1	0	0	0	0	2
16:45-17:00	0	0	0	0	2	0	0	7	0	0	0	0	9

Peak Hour By Movement	PHF	0.5	0.88	0.81	0.82	0.95	0.79	0.67	0.81	0.83	0.55	0.72	0.54	0.92
% Trucks(All)	0	4.8	15.4	4.3	9.5	5.3	0	10.8	0	0	0	0	7.7	8.4
% Trucks(M+H)	0	0	0	0	5.7	0	0	6.2	0	0	0	0	0	4.3
Stopped Buses	0	0	0	0	1	0	0	0	0	0	0	0	0	1

Hourly Totals	16:00-17:00	16:15-17:15	16:30-17:30	16:45-17:45	17:00-18:00	17:15-18:15	17:30-18:30	17:45-18:45	18:00-19:00			
4	21	13	23	210	19	8	194	20	11	26	13	562
4	20	10	22	212	13	8	183	17	10	26	13	538
3	19	7	21	217	10	8	184	14	13	23	9	528
3	18	6	21	211	6	10	185	11	13	24	4	512
3	20	8	19	225	3	10	187	9	17	27	4	532
4	27	11	16	220	4	12	209	11	16	22	3	555
3	23	13	16	217	4	11	200	15	15	26	5	548
1	25	16	16	216	5	9	170	17	17	23	6	521
2	20	14	18	187	5	6	185	18	10	18	9	492

INTERSECTION TURN MOVEMENT SUMMARY REPORT

File: MADF00



LOCATION:

14TH AVE AT BASELINE
CORNELIUS, OR

Date: **10/05/04** Day: **TUE**
Time: **16:00 - 19:00**

Report Prepared for:
DKS ASSOCIATES

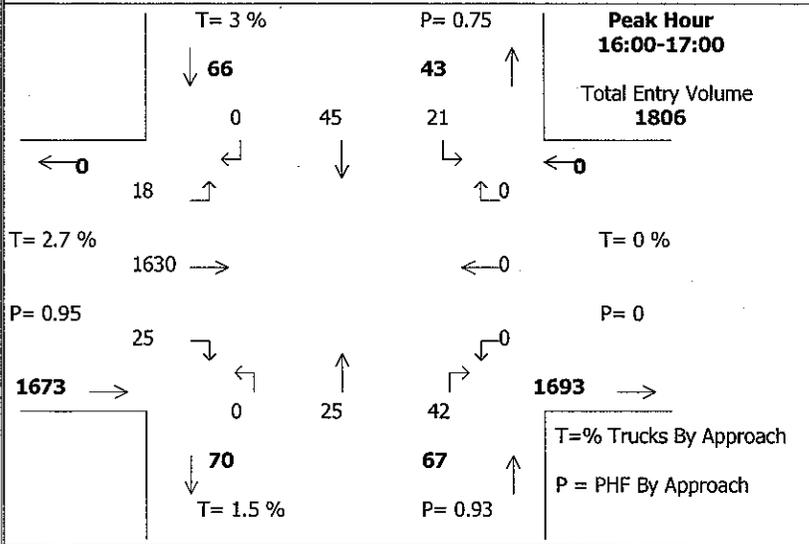
Surveyed By:
TRAFFIC SMITHY, INC
1225 NW Murray Blvd Suite 111
Portland, OR 97229
Phone: 503-641-6333 Fax: 503-643-8866

Report Reviewed by: JG

TIME PERIOD	EASTBOUND			SOUTHBOUND			NORTHBOUND			WESTBOUND			ALL
	↘	→	↗	↙	↓	↘	↖	↑	↗	↖	↗		
16:00-16:05	2	154	2	0	3	2	0	2	3	0	0	0	168
16:05-16:10	1	134	3	0	3	2	0	2	1	0	0	0	146
16:10-16:15	0	146	0	0	2	1	0	2	5	0	0	0	156
16:15-16:20	3	147	2	0	4	2	0	0	4	0	0	0	162
16:20-16:25	1	121	0	0	5	1	0	1	1	0	0	0	130
16:25-16:30	4	122	4	0	2	0	0	5	7	0	0	0	144
16:30-16:35	2	140	0	0	7	2	0	2	5	0	0	0	158
16:35-16:40	5	135	1	0	5	3	0	0	7	0	0	0	156
16:40-16:45	0	154	2	0	4	1	0	2	2	0	0	0	165
16:45-16:50	1	129	1	0	8	1	0	0	5	0	0	0	145
16:50-16:55	2	139	2	0	1	4	0	6	1	0	0	0	155
16:55-17:00	4	109	1	0	1	2	0	3	1	0	0	0	121
17:00-17:05	5	91	2	0	4	3	0	4	4	0	0	0	113
17:05-17:10	5	132	2	0	3	5	0	1	6	0	0	0	154
17:10-17:15	3	114	6	0	2	3	0	1	2	0	0	0	131
17:15-17:20	2	97	2	0	4	4	0	1	1	0	0	0	111
17:20-17:25	4	117	2	0	4	4	0	1	4	0	0	0	136
17:25-17:30	4	108	2	0	3	2	0	3	6	0	1	0	129
17:30-17:35	0	112	4	0	1	4	0	1	3	0	0	0	125
17:35-17:40	0	124	4	0	2	3	0	1	2	0	0	0	136
17:40-17:45	1	108	4	0	3	1	0	1	7	0	0	0	125
17:45-17:50	3	104	1	0	4	3	0	1	1	0	0	0	117
17:50-17:55	1	82	11	0	1	0	0	3	3	0	0	0	101
17:55-18:00	0	108	2	0	5	1	0	3	5	0	0	0	124
18:00-18:05	0	122	3	0	3	0	0	1	3	0	0	0	132
18:05-18:10	2	135	3	0	2	1	0	6	1	0	0	0	150
18:10-18:15	1	136	1	0	4	1	0	1	2	0	0	0	146
18:15-18:20	0	130	6	0	3	3	0	2	0	0	0	0	144
18:20-18:25	3	122	0	0	3	4	0	3	7	0	0	0	142
18:25-18:30	6	131	0	0	4	2	0	4	3	0	0	0	150
18:30-18:35	1	96	2	0	3	0	0	0	5	0	0	0	107
18:35-18:40	2	114	1	0	5	1	0	1	5	0	0	0	129
18:40-18:45	2	107	4	0	5	4	0	0	1	0	0	0	123
18:45-18:50	0	97	0	0	5	0	0	5	0	0	0	0	107
18:50-18:55	0	100	0	0	1	1	0	3	0	0	0	0	105
18:55-19:00	3	105	1	0	3	1	0	0	1	0	0	0	114
TOTALS	73	4322	81	0	122	72	0	72	114	0	1	0	4857
PHF	0.57	0.94	0.75	0	0.66	0.75	0	0.69	0.55	0	0	0	0.94
% Trucks	0	2.2	1.2	0	2.5	1.4	0	2.8	2.6	0	0	0	2.1
Stopped Buses	0	0	0	0	0	0	0	0	0	0	0	0	
Pedestrians		3			2			77			4		

INTERSECTION TURN MOVEMENT PEAK HOUR REPORT

File: MADF00



LOCATION:

14TH AVE AT BASELINE
CORNELIUS, OR

Date: **10/05/04** Day: **TUE**
Time: **16:00 - 19:00**

Report Prepared for:
DKS ASSOCIATES

Surveyed By:
TRAFFIC SMITHY, INC
1225 NW Murray Blvd Suite 111
Portland, OR 97229
Phone: 503-641-6333 Fax: 503-643-8866

Report Reviewed by: JG

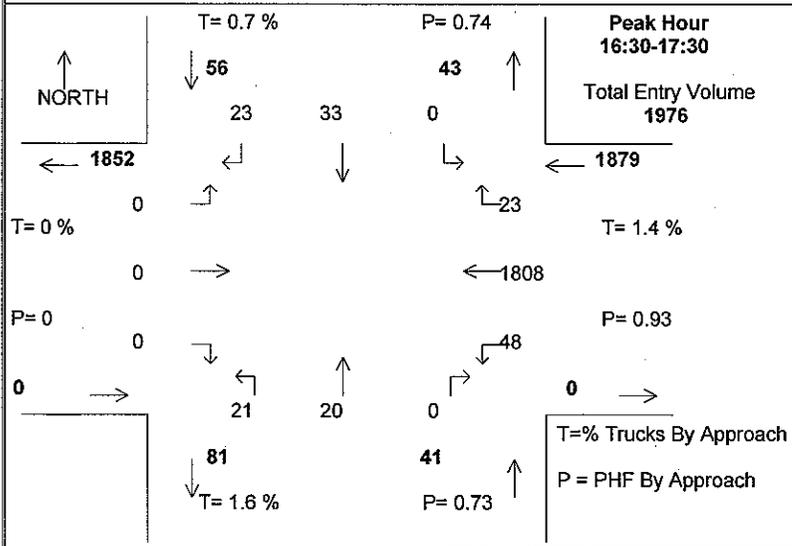
TIME PERIOD	EASTBOUND			SOUTHBOUND			NORTHBOUND			WESTBOUND			ALL
	↘	→	↗	↙	↓	↘	↖	↑	↗	↖	←	↗	
ALL VEHICLES													
16:00-16:15	3	434	5	0	8	5	0	6	9	0	0	0	470
16:15-16:30	8	390	6	0	11	3	0	6	12	0	0	0	436
16:30-16:45	7	429	3	0	16	6	0	4	14	0	0	0	479
16:45-17:00	7	377	4	0	10	7	0	9	7	0	0	0	421
LIGHT TRUCKS (SINGLE UNIT 2 AXLES)													
16:00-16:15	0	6	0	0	1	0	0	1	0	0	0	0	8
16:15-16:30	0	9	1	0	0	0	0	0	0	0	0	0	10
16:30-16:45	0	11	0	0	1	0	0	0	0	0	0	0	12
16:45-17:00	0	12	0	0	0	0	0	0	0	0	0	0	12
MEDIUM TRUCKS (SINGLE UNIT >2 AXLES)													
16:00-16:15	0	0	0	0	0	0	0	0	0	0	0	0	0
16:15-16:30	0	1	0	0	0	0	0	0	0	0	0	0	1
16:30-16:45	0	0	0	0	0	0	0	0	0	0	0	0	0
16:45-17:00	0	0	0	0	0	0	0	0	0	0	0	0	0
HEAVY TRUCKS (SEMI-TRACTOR TRAILER)													
16:00-16:15	0	1	0	0	0	0	0	0	0	0	0	0	1
16:15-16:30	0	1	0	0	0	0	0	0	0	0	0	0	1
16:30-16:45	0	2	0	0	0	0	0	0	0	0	0	0	2
16:45-17:00	0	1	0	0	0	0	0	0	0	0	0	0	1
BICYCLES													
16:00-16:15	0	2	0	0	1	0	0	1	0	0	0	0	4
16:15-16:30	0	1	0	0	0	0	0	0	0	0	0	0	1
16:30-16:45	0	0	0	0	2	0	0	1	0	0	0	0	3
16:45-17:00	0	0	0	0	0	0	0	1	0	0	0	0	1
PEDESTRIANS													
Crosswalk	SOUTH			WEST			EAST			NORTH			ALL
16:00-16:15	0			2			5			0			7
16:15-16:30	0			0			4			0			4
16:30-16:45	0			0			12			0			12
16:45-17:00	0			0			6			0			6

Peak Hour By Movement													
PHF	0.78	0.94	0.75	0	0.7	0.75	0	0.69	0.75	0	0	0	0.94
% Trucks(All)	0	2.7	5.6	0	4.4	0	0	4	0	0	0	0	2.7
% Trucks(M+H)	0	0.4	0	0	0	0	0	0	0	0	0	0	0.3
Stopped Buses	0	0	0	0	0	0	0	0	0	0	0	0	0

Hourly Totals													
16:00-17:00	25	1630	18	0	45	21	0	25	42	0	0	0	1806
16:15-17:15	35	1533	23	0	46	27	0	25	45	0	0	0	1734
16:30-17:30	37	1465	23	0	46	34	0	24	44	0	1	0	1674
16:45-17:45	31	1380	32	0	36	36	0	23	42	0	1	0	1581
17:00-18:00	28	1297	42	0	36	33	0	21	44	0	1	0	1502
17:15-18:15	18	1353	39	0	36	24	0	23	38	0	1	0	1532
17:30-18:30	17	1414	39	0	35	23	0	27	37	0	0	0	1592
17:45-18:45	21	1387	34	0	42	20	0	25	36	0	0	0	1565
18:00-19:00	20	1395	21	0	41	18	0	26	28	0	0	0	1549

INTERSECTION TURN MOVEMENT SUMMARY REPORT

File: WOHL13.mod



LOCATION:

14TH AVENUE/ ADAIR STREET
CORNELIUS, OR

Date: 10/05/04 Day: TUE
Time: 16:00 - 19:00

Report Prepared for:
DKS

Surveyed By:
TRAFFIC SMITHY, INC
1225 NW MURRAY BLVD
PORTLAND, OR 97209
Phone: 503-641-6333 Fax: 503-643-8866

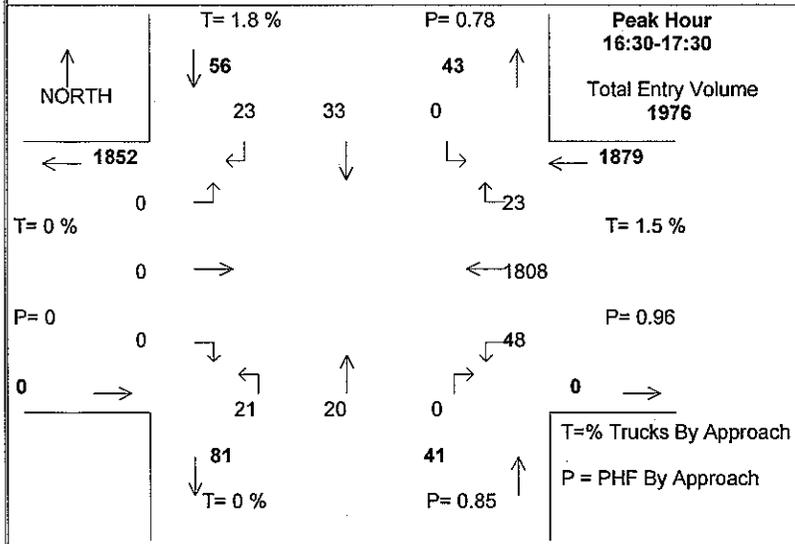
Report Reviewed by: KH

TIME PERIOD	EASTBOUND			SOUTHBOUND			NORTHBOUND			WESTBOUND			ALL
	↙	→	↗	↙	↓	↘	↙	↑	↘	↙	←	↗	
16:00-16:05	0	0	0	1	3	0	1	1	0	1	142	3	152
16:05-16:10	0	0	0	4	2	0	0	3	0	4	121	1	135
16:10-16:15	0	0	0	1	3	0	2	2	0	0	151	3	162
16:15-16:20	0	0	0	3	2	0	1	1	0	6	111	2	126
16:20-16:25	0	0	0	1	1	0	0	0	0	4	135	1	142
16:25-16:30	0	0	0	7	1	0	4	3	0	3	105	7	130
16:30-16:35	0	0	0	3	3	0	2	1	0	6	164	2	181
16:35-16:40	0	0	0	1	0	0	1	3	0	4	147	2	158
16:40-16:45	0	0	0	4	1	0	2	0	0	2	139	1	149
16:45-16:50	0	0	0	1	4	0	0	1	0	4	134	0	144
16:50-16:55	0	0	0	2	2	0	4	2	0	4	149	4	167
16:55-17:00	0	0	0	1	2	0	2	1	0	3	141	2	152
17:00-17:05	0	0	0	3	3	0	2	1	0	6	142	2	159
17:05-17:10	0	0	0	1	3	0	0	1	0	3	141	4	153
17:10-17:15	0	0	0	1	3	0	3	5	0	3	178	1	194
17:15-17:20	0	0	0	3	5	0	0	0	0	6	168	3	185
17:20-17:25	0	0	0	2	5	0	3	3	0	2	141	1	157
17:25-17:30	0	0	0	1	2	0	2	2	0	5	164	1	177
17:30-17:35	0	0	0	0	1	0	1	3	0	2	123	0	130
17:35-17:40	0	0	0	1	3	0	0	3	0	3	124	1	135
17:40-17:45	0	0	0	3	3	0	0	6	0	3	165	1	181
17:45-17:50	0	0	0	2	1	0	2	1	0	2	148	4	160
17:50-17:55	0	0	0	1	1	0	3	5	0	1	121	1	133
17:55-18:00	0	0	0	3	2	0	1	2	0	2	158	2	170
18:00-18:05	0	0	0	1	1	0	2	1	0	1	118	2	126
18:05-18:10	0	0	0	1	0	0	4	2	0	4	119	3	133
18:10-18:15	0	0	0	4	0	0	0	2	0	1	109	1	117
18:15-18:20	0	0	0	1	3	0	3	6	0	1	125	2	141
18:20-18:25	0	0	0	0	3	0	1	1	0	1	104	1	111
18:25-18:30	0	0	0	1	6	0	3	1	0	4	107	3	125
18:30-18:35	0	0	0	2	0	0	0	2	0	1	113	5	123
18:35-18:40	0	0	0	4	2	0	2	1	0	3	90	2	104
18:40-18:45	0	0	0	2	3	0	0	4	0	5	87	2	103
18:45-18:50	0	0	0	0	0	0	2	1	0	3	136	3	145
18:50-18:55	0	0	0	2	2	0	1	2	0	0	84	0	91
18:55-19:00	0	0	0	5	4	0	1	0	0	0	116	1	127

TOTALS	0	0	0	73	80	0	55	73	0	103	4720	74	5178
PHF	0	0	0	0.72	0.63	0	0.66	0.63	0	0.92	0.93	0.72	0.92
% Trucks	0	0	0	1.4	0	0	0	2.7	0	1.9	1.5	0	1.4
Stopped Buses	0	0	0	0	0	0	0	0	0	0	0	0	0
Pedestrians		10			0			95			8		

INTERSECTION TURN MOVEMENT PEAK HOUR REPORT

File: WOHL13.mod



LOCATION:

14TH AVENUE/ ADAIR STREET
CORNELIUS, OR

Date: 10/05/04 Day: TUE
Time: 16:00 - 19:00

Report Prepared for:
DKS

Surveyed By:
TRAFFIC SMITHY, INC
1225 NW MURRAY BLVD
PORTLAND, OR 97209
Phone: 503-641-6333 Fax: 503-643-8866

Report Reviewed by: KH

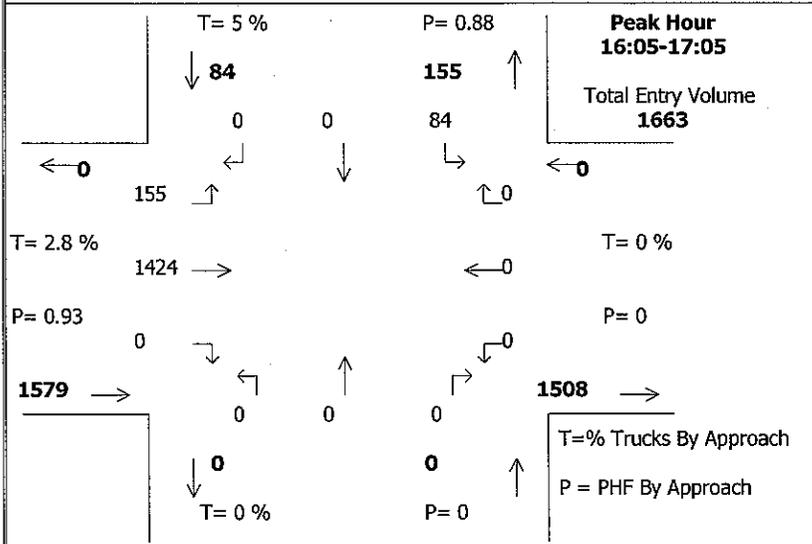
TIME PERIOD	EASTBOUND			SOUTHBOUND			NORTHBOUND			WESTBOUND			ALL
	↘	→	↗	↙	↓	↘	↖	↑	↗	←	↖		
ALL VEHICLES													
16:30-16:45	0	0	0	8	4	0	5	4	0	12	450	5	488
16:45-17:00	0	0	0	4	8	0	6	4	0	11	424	6	463
17:00-17:15	0	0	0	5	9	0	5	7	0	12	461	7	506
17:15-17:30	0	0	0	6	12	0	5	5	0	13	473	5	519
LIGHT TRUCKS (SINGLE UNIT 2 AXLES)													
16:30-16:45	0	0	0	0	0	0	0	0	0	0	4	0	4
16:45-17:00	0	0	0	1	0	0	0	0	0	0	9	0	10
17:00-17:15	0	0	0	0	0	0	0	0	0	0	4	0	4
17:15-17:30	0	0	0	0	0	0	0	0	0	0	3	0	3
MEDIUM TRUCKS (SINGLE UNIT >2 AXLES)													
16:30-16:45	0	0	0	0	0	0	0	0	0	0	2	0	2
16:45-17:00	0	0	0	0	0	0	0	0	0	0	2	0	2
17:00-17:15	0	0	0	0	0	0	0	0	0	0	0	0	0
17:15-17:30	0	0	0	0	0	0	0	0	0	0	1	0	1
HEAVY TRUCKS (SEMI-TRACTOR TRAILER)													
16:30-16:45	0	0	0	0	0	0	0	0	0	0	1	0	1
16:45-17:00	0	0	0	0	0	0	0	0	0	0	0	0	0
17:00-17:15	0	0	0	0	0	0	0	0	0	0	2	0	2
17:15-17:30	0	0	0	0	0	0	0	0	0	0	1	0	1
BICYCLES													
16:30-16:45	0	2	0	0	2	0	0	0	0	0	0	0	4
16:45-17:00	0	0	0	0	0	0	0	0	0	0	1	1	2
17:00-17:15	0	0	0	0	1	0	0	0	0	0	0	0	1
17:15-17:30	0	0	0	0	0	0	0	1	0	0	2	0	3
PEDESTRIANS													
Crosswalk	SOUTH			WEST			EAST			NORTH			ALL
16:30-16:45	0	0	0	0	0	0	12	0	0	2	0	0	14
16:45-17:00	2	0	0	0	0	0	14	0	0	1	0	0	17
17:00-17:15	0	0	0	0	0	0	10	0	0	2	0	0	12
17:15-17:30	0	0	0	0	0	0	8	0	0	2	0	0	10

Peak Hour By Movement													
PHF	0	0	0	0.72	0.69	0	0.88	0.71	0	0.92	0.96	0.82	0.95
% Trucks(All)	0	0	0	4.3	0	0	0	0	0	0	1.6	0	1.5
% Trucks(M+H)	0	0	0	0	0	0	0	0	0	0	0.5	0	0.5
Stopped Buses	0	0	0	0	0	0	0	0	0	0	0	0	0

Hourly Totals													
16:00-17:00	0	0	0	29	24	0	19	18	0	41	1639	28	1798
16:15-17:15	0	0	0	28	25	0	21	19	0	48	1686	28	1855
16:30-17:30	0	0	0	23	33	0	21	20	0	48	1808	23	1976
16:45-17:45	0	0	0	19	36	0	17	28	0	44	1770	20	1934
17:00-18:00	0	0	0	21	32	0	17	32	0	38	1773	21	1934
17:15-18:15	0	0	0	22	24	0	18	30	0	32	1658	20	1804
17:30-18:30	0	0	0	18	24	0	20	33	0	25	1521	21	1662
17:45-18:45	0	0	0	22	22	0	21	28	0	26	1399	28	1546
18:00-19:00	0	0	0	23	24	0	19	23	0	24	1308	25	1446

INTERSECTION TURN MOVEMENT SUMMARY REPORT

File: ERAY



LOCATION:

19TH AVE AT BASELINE ST
CORNELIUS, OR

Date: **10/05/04** Day: **TUE**
Time: **16:00 - 19:00**

Report Prepared for:
DKS ASSOCIATES

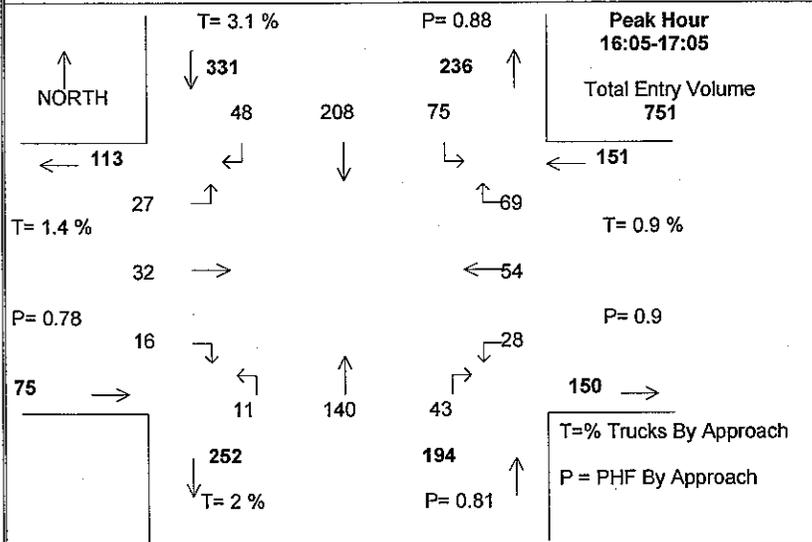
Surveyed By:
TRAFFIC SMITHY, INC
1225 NW Murray Blvd Suite 111
Portland, OR 97229
Phone: 503-641-6333 Fax: 503-643-8866

Report Reviewed by: JG

TIME PERIOD	EASTBOUND			SOUTHBOUND			NORTHBOUND			WESTBOUND			ALL
	↙	→	↗	↖	↓	↘	↖	↑	↗	↙	←	↖	
16:00-16:05	0	103	13	0	0	6	0	0	0	0	0	0	122
16:05-16:10	0	117	15	0	0	4	0	0	0	0	0	0	136
16:10-16:15	0	109	14	0	0	12	0	0	0	0	0	0	135
16:15-16:20	0	126	11	0	0	6	0	0	0	0	0	0	143
16:20-16:25	0	129	13	0	0	4	0	0	0	0	0	0	146
16:25-16:30	0	104	16	0	0	6	0	0	0	0	0	0	126
16:30-16:35	0	126	10	0	0	7	0	0	0	0	0	0	143
16:35-16:40	0	130	11	0	0	9	0	0	0	0	0	0	150
16:40-16:45	0	132	14	0	0	7	0	0	0	0	0	0	153
16:45-16:50	0	121	9	0	0	5	0	0	0	0	0	0	135
16:50-16:55	0	125	16	0	0	5	0	0	0	0	0	0	146
16:55-17:00	0	96	9	0	0	10	0	0	0	0	0	0	115
17:00-17:05	0	109	17	0	0	9	0	0	0	0	0	0	135
17:05-17:10	0	98	8	0	0	3	0	0	0	0	0	0	109
17:10-17:15	0	98	8	0	0	4	0	0	0	0	0	0	110
17:15-17:20	0	102	11	0	0	5	0	0	0	0	0	0	118
17:20-17:25	0	92	7	0	0	4	0	0	0	0	0	0	103
17:25-17:30	0	121	9	0	0	10	0	0	0	0	0	0	140
17:30-17:35	0	90	7	0	0	7	0	0	0	0	0	0	104
17:35-17:40	0	110	9	0	0	6	0	0	0	0	0	0	125
17:40-17:45	0	109	7	0	0	5	0	0	0	0	0	0	121
17:45-17:50	0	77	15	0	0	4	0	0	0	0	0	0	96
17:50-17:55	0	100	7	0	0	5	0	0	0	0	0	0	112
17:55-18:00	0	74	13	0	0	6	0	0	0	0	0	0	93
18:00-18:05	0	100	5	0	0	5	0	0	0	0	0	0	110
18:05-18:10	0	77	12	0	0	3	0	0	0	0	0	0	92
18:10-18:15	0	89	14	0	0	7	0	0	0	0	0	0	110
18:15-18:20	0	114	17	0	0	0	0	0	0	0	0	0	131
18:20-18:25	0	96	10	0	0	4	0	0	0	0	0	0	110
18:25-18:30	0	88	8	0	0	6	0	0	0	0	0	0	102
18:30-18:35	0	103	10	0	0	2	0	0	0	0	0	0	115
18:35-18:40	0	87	6	0	0	8	0	0	0	0	0	0	101
18:40-18:45	0	102	8	0	0	5	0	0	0	0	0	0	115
18:45-18:50	0	77	4	0	0	4	0	0	0	0	0	0	85
18:50-18:55	0	88	6	0	0	6	0	0	0	0	0	0	100
18:55-19:00	0	88	12	0	0	2	0	0	0	0	0	0	102
TOTALS	0	3707	381	0	0	201	0	0	0	0	0	0	4289
PHF	0	0.92	0.92	0	0	0.88	0	0	0	0	0	0	0.93
% Trucks	0	2.9	1.3	0	0	5	0	0	0	0	0	0	2.9
Stopped Buses	0	1	0	0	0	0	0	0	0	0	0	0	
Pedestrians		0			0			0			2		

INTERSECTION TURN MOVEMENT SUMMARY REPORT

File: W0HK59.TM1



LOCATION:

N 19TH AVENUE/ DAVIS STREET
 CORNELIUS, OR

Date: 10/05/04 Day: TUE
 Time: 16:00 - 19:00

Report Prepared for:
 DKS

Surveyed By:
TRAFFIC SMITHY, INC
 1225 NW MURRAY BLVD
 PORTLAND, OR 97209
 Phone: 503-641-6333 Fax: 503-643-8866

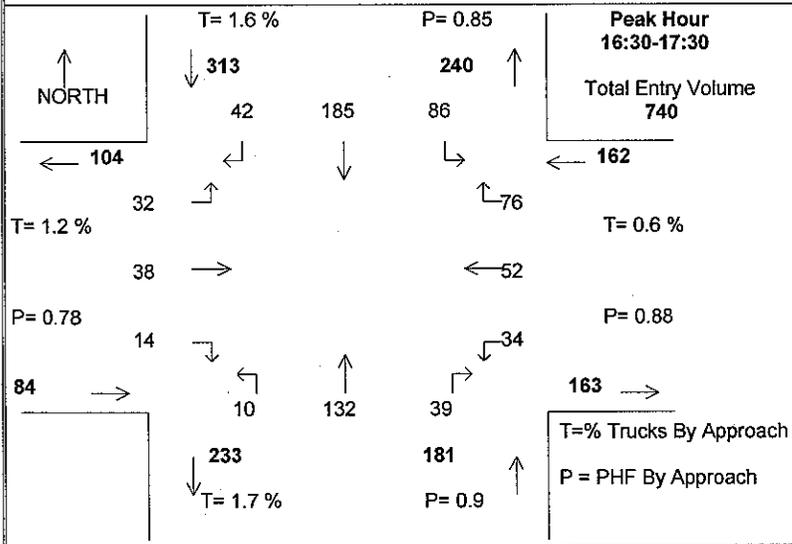
Report Reviewed by: KH

TIME PERIOD	EASTBOUND			SOUTHBOUND			NORTHBOUND			WESTBOUND			ALL
	↘	→	↗	↙	↓	↘	↖	↑	↗	↖	↗		
16:00-16:05	2	2	1	4	11	1	0	8	4	0	5	2	40
16:05-16:10	1	1	3	3	23	4	1	16	1	3	3	7	66
16:10-16:15	2	3	2	5	23	7	0	9	3	1	4	7	66
16:15-16:20	2	4	2	6	14	4	2	11	3	0	4	5	57
16:20-16:25	2	1	2	5	13	5	0	9	4	2	8	11	62
16:25-16:30	1	2	0	2	19	6	1	9	4	2	5	3	54
16:30-16:35	2	7	3	3	18	6	1	10	3	3	2	4	62
16:35-16:40	1	3	2	7	26	7	0	12	4	1	6	2	71
16:40-16:45	0	1	5	3	16	6	1	14	5	3	6	5	65
16:45-16:50	1	6	2	2	16	9	1	10	5	2	4	7	65
16:50-16:55	1	2	1	4	16	7	3	17	4	3	6	6	70
16:55-17:00	3	2	4	4	10	9	0	7	3	6	3	4	55
17:00-17:05	0	0	1	4	14	5	1	16	4	2	3	8	58
17:05-17:10	1	3	4	3	9	9	0	9	2	6	6	7	59
17:10-17:15	1	0	1	2	13	11	1	10	1	2	2	7	51
17:15-17:20	0	6	2	4	17	4	0	9	5	2	4	8	61
17:20-17:25	2	6	3	3	11	7	1	4	1	2	5	7	52
17:25-17:30	2	2	4	3	19	6	1	14	2	2	5	11	71
17:30-17:35	2	3	3	3	8	9	0	6	3	2	3	6	48
17:35-17:40	3	2	0	3	13	13	3	8	0	1	5	2	53
17:40-17:45	0	2	3	1	11	3	1	8	2	6	4	4	45
17:45-17:50	1	2	0	4	22	7	2	15	3	1	2	5	64
17:50-17:55	0	8	3	5	18	6	0	4	3	5	1	4	57
17:55-18:00	0	4	2	7	19	3	2	14	4	1	3	8	67
18:00-18:05	3	3	2	4	12	3	0	8	1	1	5	6	48
18:05-18:10	1	4	1	1	20	5	0	12	4	7	1	7	63
18:10-18:15	0	5	2	0	8	7	0	14	3	3	4	3	49
18:15-18:20	0	3	1	2	7	6	1	15	2	0	3	5	45
18:20-18:25	0	2	1	5	15	10	1	7	4	3	4	3	55
18:25-18:30	0	7	0	0	16	5	0	10	4	2	4	8	56
18:30-18:35	0	1	0	0	11	1	0	6	3	3	2	4	31
18:35-18:40	0	2	1	0	13	1	1	9	2	5	3	6	43
18:40-18:45	0	2	1	2	14	3	0	5	2	4	0	5	38
18:45-18:50	2	2	3	3	12	1	1	5	2	1	2	6	40
18:50-18:55	0	3	1	2	12	4	0	8	2	1	3	6	42
18:55-19:00	0	1	1	2	12	3	1	11	2	2	2	1	38

TOTALS	36	107	67	111	531	203	27	359	104	90	132	200	1967
PHF	0.67	0.67	0.68	0.75	0.83	0.75	0.55	0.85	0.77	0.64	0.79	0.75	0.93
% Trucks	8.3	0	0	0.9	4	2	3.7	2.5	0	1.1	0.8	1	2.2
Stopped Buses	0	0	0	0	0	0	0	0	0	0	0	0	
Pedestrians		18			1			8			2		

INTERSECTION TURN MOVEMENT PEAK HOUR REPORT

File: W0HK59.TM1



LOCATION:
N 19TH AVENUE/ DAVIS STREET
CORNELIUS, OR

Date: **10/05/04** Day: **TUE**
Time: **16:00 - 19:00**

Report Prepared for:
DKS

Surveyed By:
TRAFFIC SMITHY, INC
1225 NW MURRAY BLVD
PORTLAND, OR 97209
Phone: 503-641-6333 Fax: 503-643-8866

Report Reviewed by: **KH**

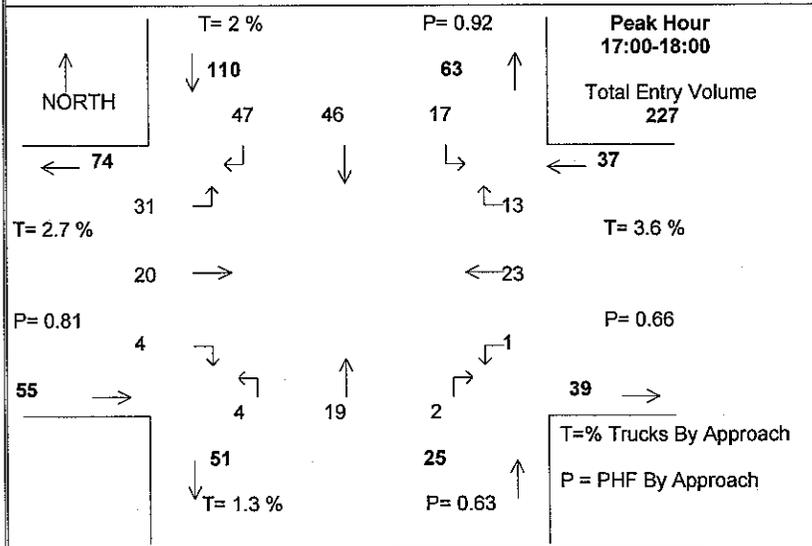
TIME PERIOD	EASTBOUND			SOUTHBOUND			NORTHBOUND			WESTBOUND			ALL
	↘	→	↗	↙	↓	↘	↖	↑	↗	↙	←	↖	
ALL VEHICLES													
16:30-16:45	3	11	10	13	60	19	2	36	12	7	14	11	198
16:45-17:00	5	10	7	10	42	25	4	34	12	11	13	17	190
17:00-17:15	2	3	6	9	36	25	2	35	7	10	11	22	168
17:15-17:30	4	14	9	10	47	17	2	27	8	6	14	26	184
LIGHT TRUCKS (SINGLE UNIT 2 AXLES)													
16:30-16:45	1	0	0	0	0	0	0	1	0	0	0	0	2
16:45-17:00	0	0	0	0	0	0	1	1	0	0	0	0	2
17:00-17:15	0	0	0	0	1	0	0	0	0	0	0	1	2
17:15-17:30	0	0	0	0	2	0	0	0	0	0	0	0	2
MEDIUM TRUCKS (SINGLE UNIT >2 AXLES)													
16:30-16:45	0	0	0	0	0	0	0	0	0	0	0	0	0
16:45-17:00	0	0	0	0	0	0	0	0	0	0	0	0	0
17:00-17:15	0	0	0	0	1	0	0	0	0	0	0	0	1
17:15-17:30	0	0	0	0	1	0	0	0	0	0	0	0	1
HEAVY TRUCKS (SEMI-TRACTOR TRAILER)													
16:30-16:45	0	0	0	0	0	0	0	0	0	0	0	0	0
16:45-17:00	0	0	0	0	0	0	0	0	0	0	0	0	0
17:00-17:15	0	0	0	0	0	0	0	0	0	0	0	0	0
17:15-17:30	0	0	0	0	0	0	0	0	0	0	0	0	0
BICYCLES													
16:30-16:45	0	0	1	1	0	0	0	0	0	0	3	0	5
16:45-17:00	0	1	0	0	0	0	0	0	0	0	0	0	1
17:00-17:15	0	0	0	0	0	0	0	0	0	0	0	0	0
17:15-17:30	0	0	1	0	0	0	0	0	0	0	1	0	2
PEDESTRIANS													
Crosswalk	SOUTH			WEST			EAST			NORTH			ALL
16:30-16:45	5			0			0			0			5
16:45-17:00	2			0			0			0			2
17:00-17:15	2			0			1			0			3
17:15-17:30	1			0			0			1			2

Peak Hour By Movement	PHF	0.7	0.68	0.8	0.81	0.77	0.86	0.63	0.92	0.81	0.77	0.93	0.73	0.93
% Trucks(All)	7.1	0	0	0	2.7	0	10	1.5	0	0	0	0	1.3	1.4
% Trucks(M+H)	0	0	0	0	1.1	0	0	0	0	0	0	0	0	0.3
Stopped Buses	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Hourly Totals	16:00-17:00	16:15-17:15	16:30-17:30	16:45-17:45	17:00-18:00	17:15-18:15	17:30-18:30	17:45-18:45	18:00-19:00				
16:00-17:00	18	34	27	48	205	71	10	132	43	26	56	63	733
16:15-17:15	15	31	27	45	184	84	11	134	42	32	55	69	729
16:30-17:30	14	38	32	42	185	86	10	132	39	34	52	76	740
16:45-17:45	16	34	28	36	157	92	12	118	32	36	50	77	688
17:00-18:00	12	38	26	42	174	83	12	117	30	32	43	77	686
17:15-18:15	14	47	25	38	178	73	10	116	31	33	42	71	678
17:30-18:30	10	45	18	35	169	77	10	121	33	32	39	61	650
17:45-18:45	5	43	14	30	175	57	7	119	35	35	32	64	616
18:00-19:00	6	35	14	21	152	49	5	110	31	32	33	60	548

INTERSECTION TURN MOVEMENT SUMMARY REPORT

File: W0HJ35.TM1



LOCATION:
 S 20TH AVENUE/ DOGWOOD STREET
 CORNELIUS, OR

Date: 10/05/04 Day: TUE
 Time: 16:00 - 19:00

Report Prepared for:
 DKS

Surveyed By:
TRAFFIC SMITHY, INC
 1225 NW MURRAY BLVD
 PORTLAND, OR 97209
 Phone: 503-641-6333 Fax: 503-643-8866

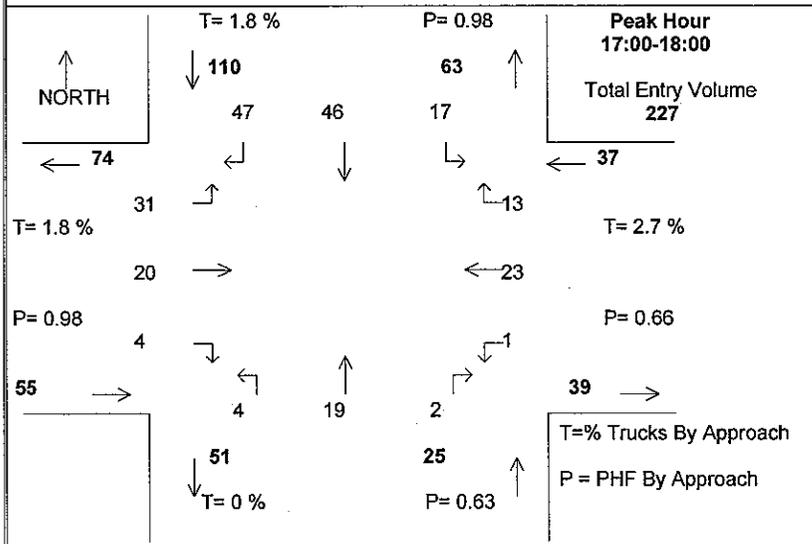
Report Reviewed by: KH

TIME PERIOD	EASTBOUND			SOUTHBOUND			NORTHBOUND			WESTBOUND			ALL
	↘	→	↗	↙	↓	↘	↖	↑	↗	↙	←	↖	
16:00-16:05	0	0	2	5	2	2	1	0	1	0	0	0	13
16:05-16:10	0	0	1	4	2	1	0	1	0	0	1	0	10
16:10-16:15	0	1	1	5	2	1	0	2	0	0	3	0	15
16:15-16:20	2	3	1	3	2	0	0	1	0	0	0	0	12
16:20-16:25	1	3	2	5	2	1	3	2	0	0	2	1	22
16:25-16:30	2	1	3	3	1	1	1	1	0	0	0	1	14
16:30-16:35	1	2	2	4	2	0	0	4	0	0	1	0	16
16:35-16:40	1	1	3	9	5	0	0	2	0	0	3	1	25
16:40-16:45	1	1	2	2	0	3	0	2	0	0	2	0	13
16:45-16:50	0	1	2	2	3	1	1	3	0	1	3	2	19
16:50-16:55	0	1	2	4	4	0	2	1	0	0	1	0	15
16:55-17:00	0	2	2	2	5	1	2	2	0	0	0	0	16
17:00-17:05	1	0	2	6	3	1	0	3	0	0	1	0	17
17:05-17:10	1	2	6	3	7	0	1	4	1	0	2	0	27
17:10-17:15	0	1	1	2	6	0	0	1	0	0	4	1	16
17:15-17:20	0	2	1	5	2	1	0	2	0	0	1	0	14
17:20-17:25	0	2	3	6	2	1	0	2	0	0	2	0	18
17:25-17:30	0	1	5	3	6	2	0	1	0	1	2	0	21
17:30-17:35	0	0	3	5	5	0	0	1	0	0	0	3	17
17:35-17:40	1	2	3	3	3	1	1	1	0	0	1	2	18
17:40-17:45	0	2	3	5	4	1	1	1	1	0	3	0	21
17:45-17:50	0	4	2	4	4	1	0	1	0	0	1	3	20
17:50-17:55	0	2	1	3	4	4	0	1	0	0	3	2	20
17:55-18:00	1	2	1	2	0	5	1	1	0	0	3	2	18
18:00-18:05	0	0	0	4	3	3	0	0	0	0	2	0	12
18:05-18:10	0	2	5	8	0	2	0	1	0	1	1	0	20
18:10-18:15	0	1	4	0	5	0	0	2	0	0	1	0	13
18:15-18:20	0	1	0	7	3	1	0	1	0	0	0	1	14
18:20-18:25	0	1	1	5	4	0	0	0	0	2	3	4	20
18:25-18:30	1	1	1	4	2	2	1	0	0	1	1	0	14
18:30-18:35	1	3	1	3	3	1	0	1	0	0	0	2	15
18:35-18:40	1	2	2	2	4	1	1	0	0	0	0	0	13
18:40-18:45	0	1	3	5	4	1	0	2	0	1	0	0	17
18:45-18:50	0	2	4	4	0	0	1	2	0	0	0	2	15
18:50-18:55	1	4	1	4	1	2	0	4	0	0	2	1	20
18:55-19:00	0	1	2	4	4	1	0	2	0	0	0	0	14

TOTALS	16	55	78	145	109	42	17	55	3	7	49	28	604
PHF	0.5	0.63	0.7	0.84	0.72	0.43	0.5	0.59	0.5	0.25	0.82	0.46	0.93
% Trucks	0	1.8	3.8	2.1	1.8	2.4	0	1.8	0	14.3	4.1	0	2.3
Stopped Buses	0	0	0	0	0	0	0	0	0	0	0	0	0
Pedestrians		6			22			7			1		

INTERSECTION TURN MOVEMENT PEAK HOUR REPORT

File: W0HJ35.TM1



LOCATION:
 S 20TH AVENUE/ DOGWOOD STREET
 CORNELIUS, OR

Date: 10/05/04 **Day: TUE**
Time: 16:00 - 19:00

Report Prepared for:
 DKS

Surveyed By:
TRAFFIC SMITHY, INC
 1225 NW MURRAY BLVD
 PORTLAND, OR 97209
 Phone: 503-641-6333 Fax: 503-643-8866

Report Reviewed by: KH

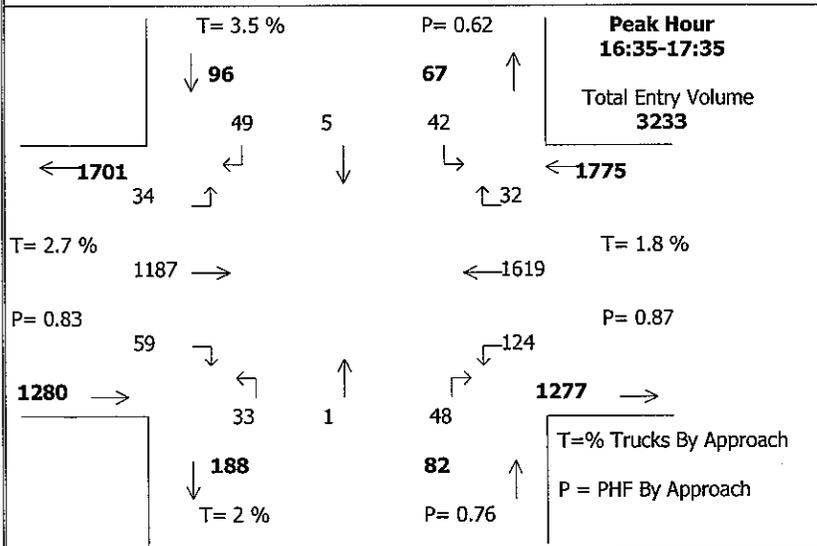
TIME PERIOD	EASTBOUND			SOUTHBOUND			NORTHBOUND			WESTBOUND			ALL
	↘	→	↗	↙	↓	↘	↖	↑	↗	↖	↗		
ALL VEHICLES													
17:00-17:15	2	3	9	11	16	1	1	8	1	0	7	1	60
17:15-17:30	0	5	9	14	10	4	0	5	0	1	5	0	53
17:30-17:45	1	4	9	13	12	2	2	3	1	0	4	5	56
17:45-18:00	1	8	4	9	8	10	1	3	0	0	7	7	58
LIGHT TRUCKS (SINGLE UNIT 2 AXLES)													
17:00-17:15	0	0	1	1	0	0	0	0	0	0	0	0	2
17:15-17:30	0	0	0	0	0	0	0	0	0	0	0	0	0
17:30-17:45	0	0	0	0	0	0	0	0	0	0	0	0	0
17:45-18:00	0	0	0	0	0	0	0	0	0	0	1	0	1
MEDIUM TRUCKS (SINGLE UNIT >2 AXLES)													
17:00-17:15	0	0	0	0	0	0	0	0	0	0	0	0	0
17:15-17:30	0	0	0	0	0	1	0	0	0	0	0	0	1
17:30-17:45	0	0	0	0	0	0	0	0	0	0	0	0	0
17:45-18:00	0	0	0	0	0	0	0	0	0	0	0	0	0
HEAVY TRUCKS (SEMI-TRACTOR TRAILER)													
17:00-17:15	0	0	0	0	0	0	0	0	0	0	0	0	0
17:15-17:30	0	0	0	0	0	0	0	0	0	0	0	0	0
17:30-17:45	0	0	0	0	0	0	0	0	0	0	0	0	0
17:45-18:00	0	0	0	0	0	0	0	0	0	0	0	0	0
BICYCLES													
17:00-17:15	0	1	2	0	0	0	0	0	0	0	0	0	3
17:15-17:30	0	0	0	0	1	0	1	0	0	0	0	0	2
17:30-17:45	0	0	0	0	0	0	0	0	0	0	3	0	3
17:45-18:00	0	0	0	0	0	0	0	0	0	0	0	2	2
PEDESTRIANS													
Crosswalk	SOUTH			WEST			EAST			NORTH			ALL
17:00-17:15	1			0			1			0			2
17:15-17:30	0			0			0			0			0
17:30-17:45	0			2			1			0			3
17:45-18:00	0			2			5			0			7

	0.5	0.63	0.86	0.84	0.72	0.43	0.5	0.59	0.5	0.25	0.82	0.46	0.95
PHF	0.5	0.63	0.86	0.84	0.72	0.43	0.5	0.59	0.5	0.25	0.82	0.46	0.95
% Trucks(All)	0	0	3.2	2.1	0	5.9	0	0	0	0	4.3	0	1.8
% Trucks(M+H)	0	0	0	0	0	5.9	0	0	0	0	0	0	0.4
Stopped Buses	0	0	0	0	0	0	0	0	0	0	0	0	0

Hourly Period	8	16	23	48	30	11	10	21	1	1	16	5	190
16:00-17:00	8	16	23	48	30	11	10	21	1	1	16	5	190
16:15-17:15	10	18	28	45	40	8	10	26	1	1	19	6	212
16:30-17:30	5	16	31	48	45	10	6	27	1	2	22	4	217
16:45-17:45	3	16	33	46	50	9	8	22	2	2	20	8	219
17:00-18:00	4	20	31	47	46	17	4	19	2	1	23	13	227
17:15-18:15	2	20	31	48	38	21	3	14	1	2	20	12	212
17:30-18:30	3	18	24	50	37	20	4	10	1	4	19	17	207
17:45-18:45	4	20	21	47	36	21	3	10	0	5	15	14	196
18:00-19:00	4	19	24	50	33	14	3	15	0	5	10	10	187

INTERSECTION TURN MOVEMENT SUMMARY REPORT

File: DGFF



LOCATION:

26TH AVE AT BASELINE ST
CORNELIUS, OR

Date: **10/05/04** Day: **TUE**
Time: **16:00 - 19:00**

Report Prepared for:
DKS ASSOCIATES

Surveyed By:
TRAFFIC SMITHY, INC
1225 NW Murray Blvd Suite 111
Portland, OR 97229
Phone: 503-641-6333 Fax: 503-643-8866

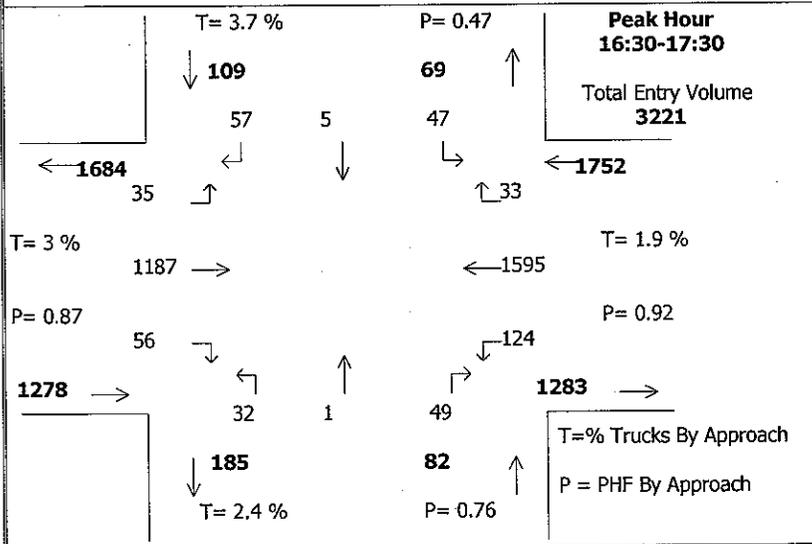
Report Reviewed by: JG

TIME PERIOD	EASTBOUND			SOUTHBOUND			NORTHBOUND			WESTBOUND			ALL
	↙	→	↗	↙	↓	↘	↙	↑	↘	↙	←	↗	
16:00-16:05	1	98	4	4	0	2	2	0	5	4	113	2	235
16:05-16:10	1	89	3	2	0	2	2	1	3	6	102	2	213
16:10-16:15	5	122	4	7	0	2	2	0	2	4	139	4	291
16:15-16:20	0	106	8	0	1	1	2	1	4	7	103	4	237
16:20-16:25	2	124	3	4	1	0	1	0	4	3	139	3	284
16:25-16:30	2	90	1	7	1	4	2	0	4	1	119	3	234
16:30-16:35	3	99	3	12	0	11	2	0	3	4	102	2	241
16:35-16:40	8	129	3	11	4	10	3	1	3	9	119	3	303
16:40-16:45	10	113	0	4	1	5	0	0	4	10	142	4	293
16:45-16:50	5	111	5	1	0	3	4	0	3	10	141	2	285
16:50-16:55	2	96	2	1	0	1	0	0	2	9	127	5	245
16:55-17:00	3	89	1	3	0	3	7	0	2	9	115	1	233
17:00-17:05	3	87	5	4	0	1	3	0	2	8	141	2	256
17:05-17:10	3	74	6	7	0	2	2	0	5	9	111	3	222
17:10-17:15	7	116	0	5	0	3	5	0	4	15	174	1	330
17:15-17:20	5	88	7	3	0	2	1	0	9	15	153	5	288
17:20-17:25	4	82	1	3	0	3	0	0	4	10	135	3	245
17:25-17:30	3	103	2	3	0	3	5	0	8	16	135	2	280
17:30-17:35	6	99	2	4	0	6	3	0	2	4	126	1	253
17:35-17:40	2	84	6	8	0	3	3	0	5	11	111	3	236
17:40-17:45	5	107	2	2	0	0	2	0	7	6	155	6	292
17:45-17:50	8	71	1	5	1	1	4	0	3	6	112	2	214
17:50-17:55	3	90	1	0	0	6	1	0	9	6	132	0	248
17:55-18:00	4	74	2	2	0	2	0	0	2	6	135	2	229
18:00-18:05	1	85	1	2	0	1	1	0	3	4	94	2	194
18:05-18:10	3	77	4	2	0	0	3	0	4	11	108	2	214
18:10-18:15	5	84	2	1	0	3	5	0	4	7	100	1	212
18:15-18:20	4	100	2	2	0	0	2	0	8	1	104	1	224
18:20-18:25	3	75	1	1	0	2	4	0	6	5	72	2	171
18:25-18:30	5	76	1	4	0	0	2	0	4	5	80	3	180
18:30-18:35	2	114	1	1	0	0	2	1	5	11	111	0	248
18:35-18:40	2	77	0	5	0	5	1	1	4	3	89	2	189
18:40-18:45	2	92	2	2	1	1	2	0	7	5	94	1	209
18:45-18:50	3	68	1	5	0	0	1	0	6	6	76	0	166
18:50-18:55	5	96	1	0	0	2	3	0	6	3	79	0	195
18:55-19:00	3	86	2	1	0	0	4	0	4	9	99	1	209

TOTALS	133	3371	90	128	10	90	86	5	160	258	4187	80	8598
PHF	0.64	0.84	0.65	0.77	0.25	0.58	0.69	0.25	0.57	0.76	0.88	0.73	0.92
% Trucks	2.3	2.6	7.8	4.7	0	2.2	1.2	0	2.5	0.4	1.9	5	2.2
Stopped Buses	0	0	0	0	0	0	0	0	0	0	0	0	
Pedestrians		1			34			5			15		

INTERSECTION TURN MOVEMENT PEAK HOUR REPORT

File: DGFF



LOCATION:

26TH AVE AT BASELINE ST
CORNELIUS, OR

Date: **10/05/04** Day: **TUE**
Time: **16:00 - 19:00**

Report Prepared for:
DKS ASSOCIATES

Surveyed By:
TRAFFIC SMITHY, INC
1225 NW Murray Blvd Suite 111
Portland, OR 97229
Phone: 503-641-6333 Fax: 503-643-8866

Report Reviewed by: JG

TIME PERIOD	EASTBOUND			SOUTHBOUND			NORTHBOUND			WESTBOUND			ALL
	↘	→	↗	↙	↓	↘	←	↑	↗	↖	↗		

ALL VEHICLES	↘	→	↗	↙	↓	↘	←	↑	↗	↖	↗		
16:30-16:45	21	341	6	27	5	26	5	1	10	23	363	9	837
16:45-17:00	10	296	8	5	0	7	11	0	7	28	383	8	763
17:00-17:15	13	277	11	16	0	6	10	0	11	32	426	6	808
17:15-17:30	12	273	10	9	0	8	6	0	21	41	423	10	813

LIGHT TRUCKS (SINGLE UNIT 2 AXLES)	↘	→	↗	↙	↓	↘	←	↑	↗	↖	↗		
16:30-16:45	0	12	0	0	0	0	0	0	1	1	5	0	19
16:45-17:00	0	9	1	0	0	0	0	0	1	0	4	0	15
17:00-17:15	0	7	0	0	0	0	0	0	0	0	7	0	14
17:15-17:30	1	2	0	0	0	0	0	0	0	0	6	0	9

MEDIUM TRUCKS (SINGLE UNIT >2 AXLES)	↘	→	↗	↙	↓	↘	←	↑	↗	↖	↗		
16:30-16:45	0	1	0	0	0	0	0	0	0	0	3	0	4
16:45-17:00	0	0	1	0	0	0	0	0	0	0	4	0	5
17:00-17:15	0	0	0	0	0	0	0	0	0	0	0	0	0
17:15-17:30	0	1	0	0	0	0	0	0	0	0	1	0	2

HEAVY TRUCKS (SEMI-TRACTOR TRAILER)	↘	→	↗	↙	↓	↘	←	↑	↗	↖	↗		
16:30-16:45	0	0	1	1	0	0	0	0	0	0	0	0	2
16:45-17:00	0	1	0	0	0	1	0	0	0	0	0	0	2
17:00-17:15	0	1	0	2	0	0	0	0	0	0	1	0	4
17:15-17:30	0	0	0	0	0	0	0	0	0	0	1	0	1

BICYCLES	↘	→	↗	↙	↓	↘	←	↑	↗	↖	↗		
16:30-16:45	0	0	0	0	0	0	0	0	0	0	0	0	0
16:45-17:00	0	1	0	0	0	0	0	0	0	0	1	0	2
17:00-17:15	0	2	0	0	0	0	0	0	0	0	0	0	2
17:15-17:30	1	0	0	0	0	0	0	0	0	0	0	0	1

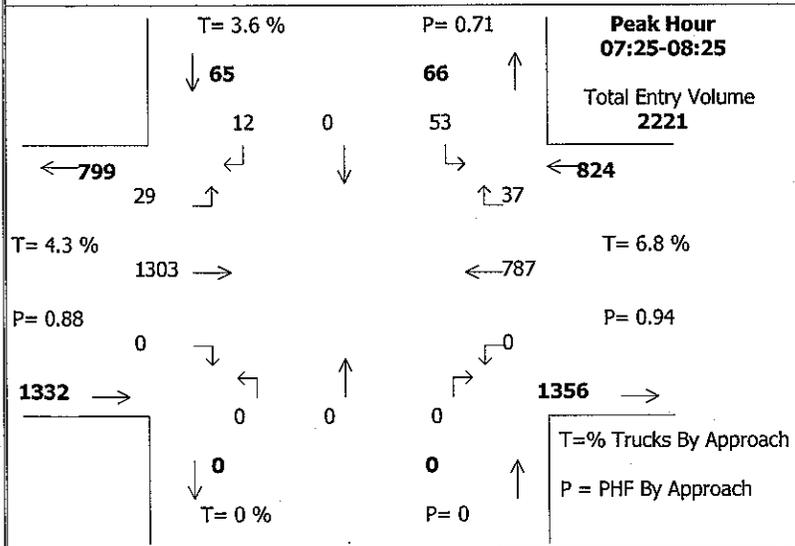
PEDESTRIANS	SOUTH			WEST			EAST			NORTH			ALL
Crosswalk													
16:30-16:45	0			4			0			4			8
16:45-17:00	0			1			0			0			1
17:00-17:15	0			4			0			0			4
17:15-17:30	0			4			0			3			7

Peak Hour By Movement	PHF	↘	→	↗	↙	↓	↘	←	↑	↗	↖	↗	
PHF	0.67	0.87	0.8	0.53	0.25	0.45	0.73	0.25	0.58	0.76	0.94	0.82	0.96
% Trucks(All)	1.8	2.9	8.6	5.3	0	2.1	0	0	4.1	0.8	2	0	2.4
% Trucks(M+H)	0	0.3	5.7	5.3	0	2.1	0	0	0	0	0.6	0	0.6
Stopped Buses	0	0	0	0	0	0	0	0	0	0	0	0	0

Hourly Totals	↘	→	↗	↙	↓	↘	←	↑	↗	↖	↗		
16:00-17:00	42	1266	37	56	8	44	27	3	39	76	1461	35	3094
16:15-17:15	48	1234	37	59	8	44	31	2	40	94	1533	33	3163
16:30-17:30	56	1187	35	57	5	47	32	1	49	124	1595	33	3221
16:45-17:45	48	1136	39	44	0	30	35	0	53	122	1624	34	3165
17:00-18:00	53	1075	35	46	1	32	29	0	60	112	1620	30	3093
17:15-18:15	49	1044	31	35	1	30	28	0	60	102	1496	29	2905
17:30-18:30	49	1022	25	33	1	24	30	0	57	72	1329	25	2667
17:45-18:45	42	1015	18	27	2	21	27	2	59	70	1231	18	2532
18:00-19:00	38	1030	18	26	1	14	30	2	61	70	1106	15	2411

INTERSECTION TURN MOVEMENT SUMMARY REPORT

File: Woej59.tm1



LOCATION:

29TH AVENUE AT TV HIGHWAY
CORNELIUS

Date: **09/23/04** Day: **THU**
Time: **06:00 - 09:00**

Report Prepared for:
DKS ASSOCIATES

Surveyed By:
TRAFFIC SMITHY, INC
626- 120th Avenue NE
Bellevue, WA
Ph. 425-688-7888 Fax. 425-688-7784

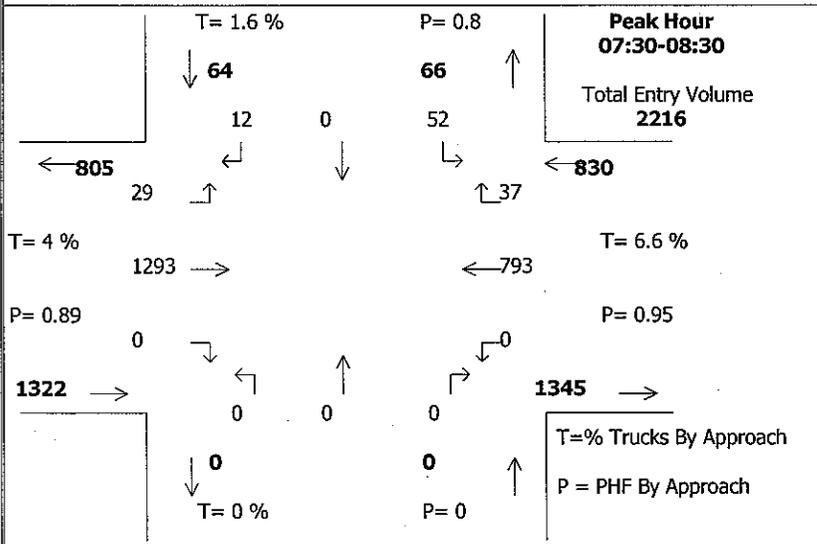
Report Reviewed by: GC

TIME PERIOD	EASTBOUND			SOUTHBOUND			NORTHBOUND			WESTBOUND			ALL
	↘	→	↗	↙	↓	↘	↖	↑	↗	←	↖		
06:00-06:05	0	62	2	2	0	0	0	0	0	0	24	2	92
06:05-06:10	0	77	2	0	0	2	0	0	0	0	36	0	117
06:10-06:15	0	81	3	1	0	4	0	0	0	0	25	3	117
06:15-06:20	0	82	5	1	0	9	0	0	0	0	42	3	142
06:20-06:25	0	93	2	1	0	5	0	0	0	0	41	1	143
06:25-06:30	0	102	2	1	0	3	0	0	0	0	54	1	163
06:30-06:35	0	126	2	1	0	4	0	0	0	0	36	4	173
06:35-06:40	0	122	2	1	0	4	0	0	0	0	66	3	198
06:40-06:45	0	105	3	1	0	5	0	0	0	0	58	3	175
06:45-06:50	0	99	3	3	0	4	0	0	0	0	16	2	127
06:50-06:55	0	93	8	1	0	8	0	0	0	0	111	1	222
06:55-07:00	0	88	2	2	0	8	0	0	1	0	68	3	172
07:00-07:05	0	87	3	4	0	2	0	0	0	0	45	4	145
07:05-07:10	0	91	3	2	0	3	0	0	0	0	60	4	163
07:10-07:15	0	93	5	1	0	5	0	0	0	0	53	3	160
07:15-07:20	0	76	3	0	0	7	0	0	0	0	55	1	142
07:20-07:25	0	102	6	0	0	5	0	0	0	0	55	5	173
07:25-07:30	0	100	2	0	0	4	0	0	0	0	63	4	173
07:30-07:35	0	121	1	0	0	3	0	0	0	0	61	3	189
07:35-07:40	0	116	3	2	0	11	0	0	0	0	76	2	210
07:40-07:45	0	122	3	1	0	3	0	0	0	0	66	4	199
07:45-07:50	0	124	2	2	0	4	0	0	0	0	70	2	204
07:50-07:55	0	126	1	2	0	7	0	0	0	0	64	0	200
07:55-08:00	0	118	2	1	0	3	0	0	0	0	77	5	206
08:00-08:05	0	104	6	1	0	2	0	0	0	0	66	4	183
08:05-08:10	0	84	2	2	0	5	0	0	0	0	62	1	156
08:10-08:15	0	95	4	0	0	5	0	0	0	0	47	4	155
08:15-08:20	0	100	1	1	0	5	0	0	0	0	62	4	173
08:20-08:25	0	93	2	0	0	1	0	0	0	0	73	4	173
08:25-08:30	0	90	2	0	0	3	0	0	0	0	69	4	168
08:30-08:35	0	87	3	2	0	3	0	0	0	0	65	4	164
08:35-08:40	0	89	4	1	0	1	0	0	1	0	71	4	171
08:40-08:45	0	90	2	1	0	4	0	0	1	0	63	7	168
08:45-08:50	0	82	0	1	0	5	0	0	0	0	72	3	163
08:50-08:55	0	89	1	0	0	5	0	0	0	0	54	4	153
08:55-09:00	0	60	2	3	0	1	0	0	0	0	62	9	137

TOTALS	0	3469	99	42	0	153	0	0	3	0	2088	115	5969
PHF	0	0.88	0.6	0.6	0	0.74	0	0	0	0	0.93	0.77	0.91
% Trucks	0	4.3	5.1	0	0	4.6	0	0	0	0	6.9	5.2	5.2
Stopped Buses	0	0	0	0	0	0	0	0	0	0	0	0	
Pedestrians		0			1			1			0		

INTERSECTION TURN MOVEMENT PEAK HOUR REPORT

File: Woej59.tm1



LOCATION:
29TH AVENUE AT TV HIGHWAY
CORNELIUS

Date: **09/23/04** Day: **THU**
Time: **06:00 - 09:00**

Report Prepared for:
DKS ASSOCIATES

Surveyed By:
TRAFFIC SMITHY, INC
626- 120th Avenue NE
Bellevue, WA
Ph. 425-688-7888 Fax. 425-688-7784

Report Reviewed by: GC

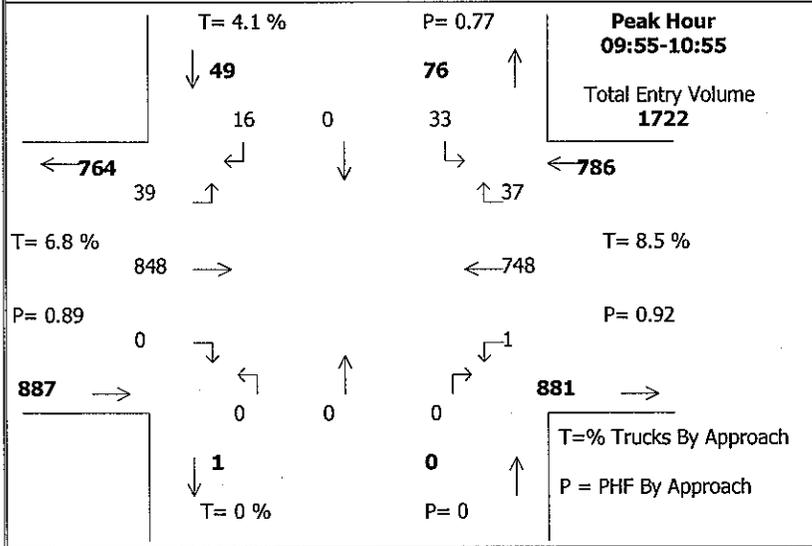
TIME PERIOD	EASTBOUND			SOUTHBOUND			NORTHBOUND			WESTBOUND			ALL
	↘	→	↗	↙	↓	↘	↖	↑	↗	←	↖		
ALL VEHICLES													
07:30-07:45	0	359	7	3	0	17	0	0	0	0	203	9	598
07:45-08:00	0	368	5	5	0	14	0	0	0	0	211	7	610
08:00-08:15	0	283	12	3	0	12	0	0	0	0	175	9	494
08:15-08:30	0	283	5	1	0	9	0	0	0	0	204	12	514
LIGHT TRUCKS (SINGLE UNIT 2 AXLES)													
07:30-07:45	0	6	0	0	0	1	0	0	0	0	8	1	16
07:45-08:00	0	7	0	0	0	0	0	0	0	0	7	0	14
08:00-08:15	0	12	1	0	0	0	0	0	0	0	14	0	27
08:15-08:30	0	11	0	0	0	0	0	0	0	0	10	0	21
MEDIUM TRUCKS (SINGLE UNIT >2 AXLES)													
07:30-07:45	0	3	0	0	0	0	0	0	0	0	2	0	5
07:45-08:00	0	1	0	0	0	0	0	0	0	0	1	0	2
08:00-08:15	0	1	0	0	0	0	0	0	0	0	0	0	1
08:15-08:30	0	1	0	0	0	0	0	0	0	0	2	0	3
HEAVY TRUCKS (SEMI-TRACTOR TRAILER)													
07:30-07:45	0	2	0	0	0	0	0	0	0	0	3	0	5
07:45-08:00	0	3	0	0	0	0	0	0	0	0	1	0	4
08:00-08:15	0	4	1	0	0	0	0	0	0	0	6	0	11
08:15-08:30	0	0	0	0	0	0	0	0	0	0	0	0	0
BICYCLES													
07:30-07:45	0	0	0	0	0	0	0	0	0	0	0	0	0
07:45-08:00	0	0	0	0	0	0	0	0	0	0	0	0	0
08:00-08:15	0	0	0	0	0	0	0	0	0	0	0	0	0
08:15-08:30	0	0	0	0	0	0	0	0	0	0	0	0	0
PEDESTRIANS													
Crosswalk	SOUTH			WEST			EAST			NORTH			ALL
07:30-07:45	0			0			1			0			1
07:45-08:00	0			0			0			0			0
08:00-08:15	0			0			0			0			0
08:15-08:30	0			0			0			0			0

Peak Hour By Movement													
PHF	0	0.88	0.6	0.6	0	0.76	0	0	0	0	0.94	0.77	0.91
% Trucks(All)	0	3.9	6.9	0	0	1.9	0	0	0	0	6.8	2.7	4.9
% Trucks(M+H)	0	1.2	3.4	0	0	0	0	0	0	0	1.9	0	1.4
Stopped Buses	0	0	0	0	0	0	0	0	0	0	0	0	0

Hourly Totals													
06:00-07:00	0	1130	36	15	0	56	0	0	1	0	577	26	1841
06:15-07:15	0	1181	40	19	0	60	0	0	1	0	650	32	1983
06:30-07:30	0	1182	42	16	0	59	0	0	1	0	686	37	2023
06:45-07:45	0	1188	42	16	0	63	0	0	1	0	729	36	2075
07:00-08:00	0	1276	34	15	0	57	0	0	0	0	745	37	2164
07:15-08:15	0	1288	35	11	0	59	0	0	0	0	762	35	2190
07:30-08:30	0	1293	29	12	0	52	0	0	0	0	793	37	2216
07:45-08:45	0	1200	31	13	0	43	0	0	2	0	789	43	2121
08:00-09:00	0	1063	29	12	0	40	0	0	2	0	766	52	1964

INTERSECTION TURN MOVEMENT SUMMARY REPORT

File: Woek46.tm1



LOCATION:

29TH AVENUE AT TV HIGHWAY
CORNELIUS

Date: **09/23/04** Day: **THU**
Time: **09:00 - 11:00**

Report Prepared for:
DKS ASSOCIATES

Surveyed By:
TRAFFIC SMITHY, INC
626- 120th Avenue NE
Bellevue, WA
Ph. 425-688-7888 Fax. 425-688-7784

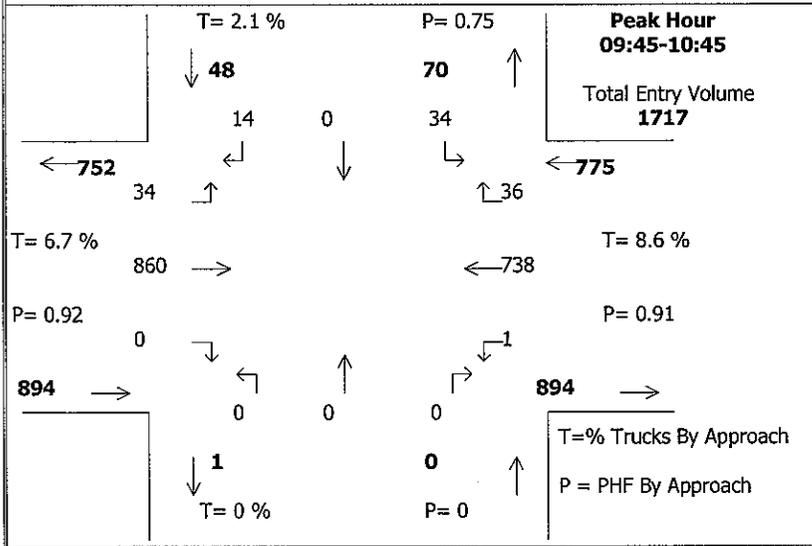
Report Reviewed by: *GC*

TIME PERIOD	EASTBOUND			SOUTHBOUND			NORTHBOUND			WESTBOUND			ALL
	↙	→	↗	↙	↓	↘	↙	↑	↘	↙	←	↗	
09:00-09:05	0	68	4	1	0	3	0	0	0	0	73	4	153
09:05-09:10	0	71	1	0	0	6	0	0	0	0	49	2	129
09:10-09:15	0	82	5	0	0	2	0	0	0	0	59	3	151
09:15-09:20	0	75	2	1	0	8	0	0	0	0	50	2	138
09:20-09:25	0	73	3	1	0	3	0	0	0	0	44	6	130
09:25-09:30	0	60	1	1	0	1	0	0	0	0	59	6	128
09:30-09:35	0	67	0	1	0	1	0	0	0	0	59	4	132
09:35-09:40	0	71	3	3	0	2	0	0	0	0	72	2	153
09:40-09:45	0	71	1	1	0	4	0	0	0	0	53	1	131
09:45-09:50	0	76	1	1	0	6	0	0	0	0	61	1	146
09:50-09:55	0	70	2	1	0	1	0	0	0	0	57	3	134
09:55-10:00	0	74	2	1	0	2	0	0	0	0	56	6	141
10:00-10:05	0	71	3	1	0	0	0	0	0	0	47	2	124
10:05-10:10	0	67	2	1	0	2	0	0	0	0	58	1	131
10:10-10:15	0	67	2	0	0	1	0	0	0	0	59	1	130
10:15-10:20	0	74	3	3	0	6	0	0	0	0	75	4	165
10:20-10:25	0	52	5	0	0	0	0	0	0	0	68	5	130
10:25-10:30	0	74	6	2	0	4	0	0	0	1	60	1	148
10:30-10:35	0	86	3	3	0	3	0	0	0	0	68	3	166
10:35-10:40	0	76	3	1	0	3	0	0	0	0	62	4	149
10:40-10:45	0	73	2	0	0	6	0	0	0	0	67	5	153
10:45-10:50	0	63	5	2	0	2	0	0	0	0	62	3	137
10:50-10:55	0	71	3	2	0	4	0	0	0	0	66	2	148
10:55-11:00	0	59	4	0	0	1	0	0	0	0	61	3	128

TOTALS	0	1691	66	27	0	71	0	0	0	1	1445	74	3375
PHF	0	0.9	0.7	0.67	0	0.69	0	0	0	0.25	0.92	0.77	0.92
% Trucks	0	6.9	4.5	11.1	0	1.4	0	0	0	0	8.7	5.4	7.5
Stopped Buses	0	0	0	0	0	0	0	0	0	0	0	0	
Pedestrians		0			0						1		

INTERSECTION TURN MOVEMENT PEAK HOUR REPORT

File: Woek46.tm1



LOCATION:
 29TH AVENUE AT TV HIGHWAY
 CORNELIUS

Date: **09/23/04** Day: **THU**
 Time: **09:00 - 11:00**

Report Prepared for:
 DKS ASSOCIATES

Surveyed By:
TRAFFIC SMITHY, INC
 626- 120th Avenue NE
 Bellevue, WA
 Ph. 425-688-7888 Fax. 425-688-7784

Report Reviewed by: GC

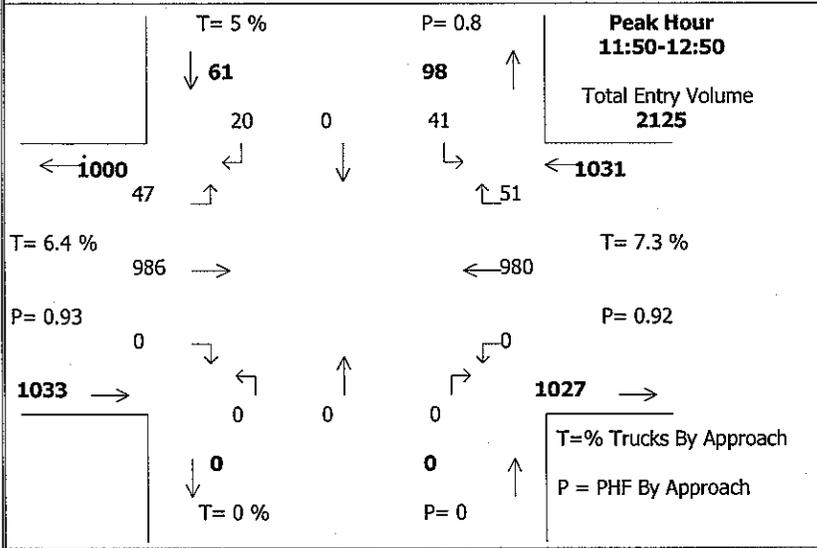
TIME PERIOD	EASTBOUND			SOUTHBOUND			NORTHBOUND			WESTBOUND			ALL
	↘	→	↗	↙	↓	↘	↖	↑	↗	↖	←	↗	
ALL VEHICLES													
09:45-10:00	0	220	5	3	0	9	0	0	0	0	174	10	421
10:00-10:15	0	205	7	2	0	3	0	0	0	0	164	4	385
10:15-10:30	0	200	14	5	0	10	0	0	0	1	203	10	443
10:30-10:45	0	235	8	4	0	12	0	0	0	0	197	12	468
LIGHT TRUCKS (SINGLE UNIT 2 AXLES)													
09:45-10:00	0	11	0	0	0	0	0	0	0	0	11	0	22
10:00-10:15	0	10	0	0	0	0	0	0	0	0	6	0	16
10:15-10:30	0	11	0	0	0	0	0	0	0	0	13	2	26
10:30-10:45	0	10	0	0	0	0	0	0	0	0	7	0	17
MEDIUM TRUCKS (SINGLE UNIT >2 AXLES)													
09:45-10:00	0	1	0	0	0	0	0	0	0	0	5	0	6
10:00-10:15	0	4	1	0	0	0	0	0	0	0	4	0	9
10:15-10:30	0	2	1	0	0	0	0	0	0	0	3	0	6
10:30-10:45	0	6	0	0	0	0	0	0	0	0	3	0	9
HEAVY TRUCKS (SEMI-TRACTOR TRAILER)													
09:45-10:00	0	1	0	1	0	0	0	0	0	0	4	0	6
10:00-10:15	0	1	0	0	0	0	0	0	0	0	3	0	4
10:15-10:30	0	0	0	0	0	0	0	0	0	0	1	0	1
10:30-10:45	0	1	0	0	0	0	0	0	0	0	5	0	6
BICYCLES													
09:45-10:00	0	0	0	0	0	0	0	0	0	0	0	0	0
10:00-10:15	0	0	0	0	0	0	0	0	0	0	0	0	0
10:15-10:30	0	0	0	0	0	0	0	0	0	0	0	0	0
10:30-10:45	0	0	0	0	0	0	0	0	0	0	0	0	0
PEDESTRIANS													
Crosswalk	SOUTH			WEST			EAST			NORTH			ALL
09:45-10:00	0	0	0	0	0	0	0	0	0	0	0	0	0
10:00-10:15	0	0	0	0	0	0	0	0	0	0	0	0	0
10:15-10:30	0	0	0	0	0	0	0	0	0	0	0	0	0
10:30-10:45	0	0	0	0	0	0	0	0	0	0	0	0	0

Peak Hour By Movement													
PHF	0	0.91	0.61	0.7	0	0.71	0	0	0	0.25	0.91	0.75	0.92
% Trucks(All)	0	6.7	5.9	7.1	0	0	0	0	0	0	8.8	5.6	7.5
% Trucks(M+H)	0	1.9	5.9	7.1	0	0	0	0	0	0	3.8	0	2.7
Stopped Buses	0	0	0	0	0	0	0	0	0	0	0	0	0

Hourly Totals													
09:00-10:00	0	858	25	12	0	39	0	0	0	0	692	40	1666
09:15-10:15	0	842	22	13	0	31	0	0	0	0	675	35	1618
09:30-10:30	0	834	30	15	0	29	0	0	0	1	725	31	1665
09:45-10:45	0	860	34	14	0	34	0	0	0	1	738	36	1717
10:00-11:00	0	833	41	15	0	32	0	0	0	1	753	34	1709

INTERSECTION TURN MOVEMENT SUMMARY REPORT

File: Woej30.tn1



LOCATION:

29TH AVENUE AT TV HIGHWAY
CORNELIUS

Date: **09/23/04** Day: **THU**
Time: **11:00 - 13:00**

Report Prepared for:
DKS ASSOCIATES

Surveyed By:
TRAFFIC SMITHY, INC
626- 120th Avenue NE
Bellevue, WA
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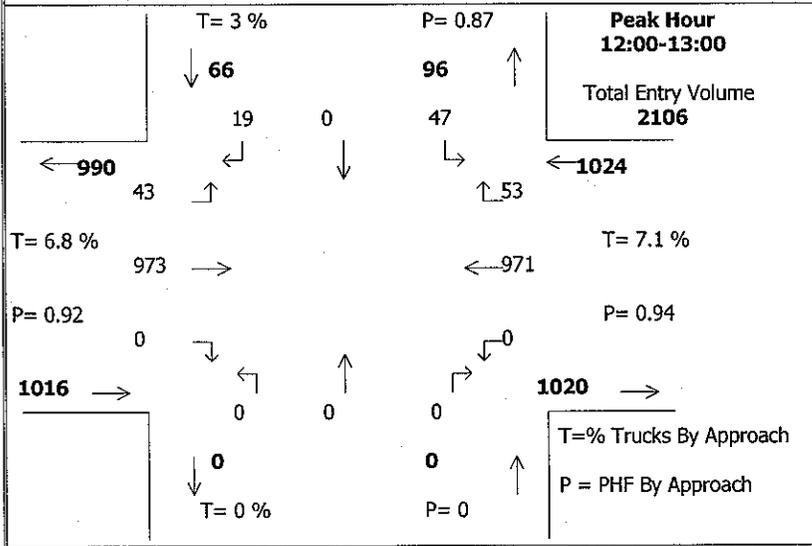
Report Reviewed by: GC

TIME PERIOD	EASTBOUND			SOUTHBOUND			NORTHBOUND			WESTBOUND			ALL
	↙	→	↗	↙	↓	↘	↙	↑	↘	←	↖		
11:00-11:05	0	69	4	0	0	3	0	0	0	0	69	1	146
11:05-11:10	0	71	4	0	0	5	0	0	0	0	82	6	168
11:10-11:15	0	72	1	3	0	3	0	0	0	0	60	6	145
11:15-11:20	0	60	3	0	0	3	0	0	0	0	81	5	152
11:20-11:25	0	79	1	3	0	5	0	0	0	0	99	6	193
11:25-11:30	0	64	6	3	0	0	0	0	0	0	75	6	154
11:30-11:35	1	67	2	1	0	3	0	0	0	0	98	4	176
11:35-11:40	0	68	3	1	0	1	0	0	0	0	67	4	144
11:40-11:45	0	86	4	0	0	4	0	0	0	0	69	6	169
11:45-11:50	0	63	3	1	0	6	0	0	0	0	49	5	127
11:50-11:55	0	90	4	2	0	3	0	0	0	0	90	5	194
11:55-12:00	0	86	5	2	0	2	0	0	0	0	81	2	178
12:00-12:05	0	81	3	2	0	2	0	0	0	0	82	8	178
12:05-12:10	0	85	1	2	0	4	0	0	0	0	74	9	175
12:10-12:15	0	70	9	1	0	4	0	0	0	0	66	3	153
12:15-12:20	0	77	8	3	0	2	0	0	0	0	87	2	179
12:20-12:25	0	75	4	1	0	5	0	0	0	0	82	5	172
12:25-12:30	0	85	2	1	0	5	0	0	0	0	77	3	173
12:30-12:35	0	76	4	3	0	4	0	0	0	0	72	4	163
12:35-12:40	0	81	2	0	0	2	0	0	0	0	73	0	158
12:40-12:45	0	109	5	0	0	6	0	0	0	0	99	5	224
12:45-12:50	0	71	0	3	0	2	0	0	0	0	97	5	178
12:50-12:55	0	73	3	2	0	6	0	0	0	0	90	4	178
12:55-13:00	0	90	2	1	0	5	0	0	0	0	72	5	175

TOTALS	1	1848	83	35	0	85	0	0	0	0	1891	109	4052
PHF	0	0.93	0.56	0.83	0	0.73	0	0	0	0	0.91	0.64	0.95
% Trucks	0	6.4	6	2.9	0	5.9	0	0	0	0	7.4	4.6	6.8
Stopped Buses	0	0	0	0	0	0	0	0	0	0	0	0	0
Pedestrians	1			0	0		0	0	0	0	1		

INTERSECTION TURN MOVEMENT PEAK HOUR REPORT

File: Woej30.tm1



LOCATION:

29TH AVENUE AT TV HIGHWAY
CORNELIUS

Date: **09/23/04** Day: **THU**
Time: **11:00 - 13:00**

Report Prepared for:
DKS ASSOCIATES

Surveyed By:
TRAFFIC SMITHY, INC
626- 120th Avenue NE
Bellevue, WA
Ph. 425-688-7888 Fax. 425-688-7784

Report Reviewed by: GC

TIME PERIOD	EASTBOUND			SOUTHBOUND			NORTHBOUND			WESTBOUND			ALL
	↘	→	↗	↙	↓	↘	↖	↑	↗	↖	↗		
ALL VEHICLES													
12:00-12:15	0	236	13	5	0	10	0	0	0	0	222	20	506
12:15-12:30	0	237	14	5	0	12	0	0	0	0	246	10	524
12:30-12:45	0	266	11	3	0	12	0	0	0	0	244	9	545
12:45-13:00	0	234	5	6	0	13	0	0	0	0	259	14	531
LIGHT TRUCKS (SINGLE UNIT 2 AXLES)													
12:00-12:15	0	9	1	1	0	1	0	0	0	0	5	2	19
12:15-12:30	0	8	0	0	0	0	0	0	0	0	10	0	18
12:30-12:45	0	17	0	0	0	0	0	0	0	0	12	0	29
12:45-13:00	0	14	0	0	0	0	0	0	0	0	20	1	35
MEDIUM TRUCKS (SINGLE UNIT >2 AXLES)													
12:00-12:15	0	3	0	0	0	0	0	0	0	0	3	0	6
12:15-12:30	0	2	0	0	0	0	0	0	0	0	2	0	4
12:30-12:45	0	2	0	0	0	0	0	0	0	0	2	0	4
12:45-13:00	0	5	0	0	0	0	0	0	0	0	1	0	6
HEAVY TRUCKS (SEMI-TRACTOR TRAILER)													
12:00-12:15	0	2	0	0	0	0	0	0	0	0	3	0	5
12:15-12:30	0	1	0	0	0	0	0	0	0	0	5	0	6
12:30-12:45	0	2	1	0	0	0	0	0	0	0	4	0	7
12:45-13:00	0	2	0	0	0	0	0	0	0	0	3	0	5
BICYCLES													
12:00-12:15	0	0	0	0	0	0	0	0	0	0	0	0	0
12:15-12:30	0	0	0	0	0	0	0	0	0	0	0	0	0
12:30-12:45	0	0	0	0	0	0	0	0	0	0	0	0	0
12:45-13:00	0	0	0	0	0	0	0	0	0	0	0	0	0
PEDESTRIANS													
Crosswalk	SOUTH			WEST			EAST			NORTH			ALL
12:00-12:15	0	0	0	0	0	0	0	0	0	0	0	0	0
12:15-12:30	0	0	0	0	0	0	0	0	0	0	0	0	0
12:30-12:45	0	0	0	0	0	0	0	0	0	0	0	0	0
12:45-13:00	0	0	0	0	0	0	0	0	0	0	0	0	0

Peak Hour By Movement

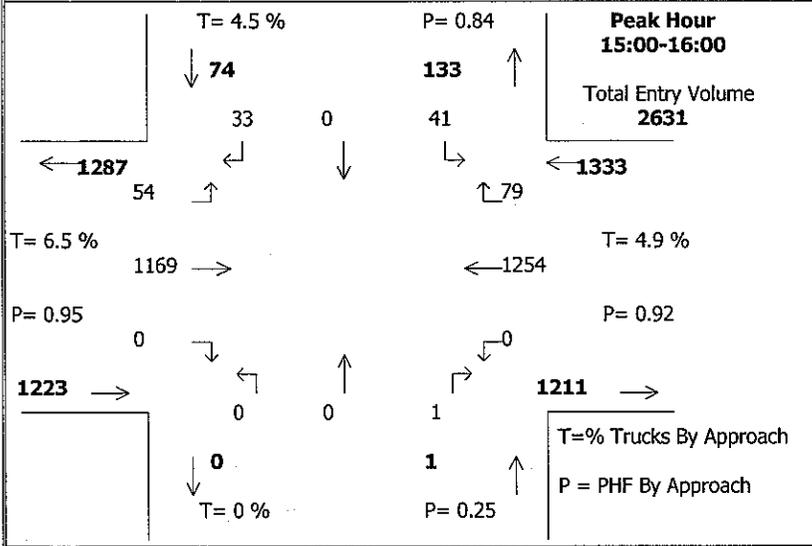
PHF	0	0.91	0.77	0.79	0	0.9	0	0	0	0	0.94	0.66	0.97
% Trucks(All)	0	6.9	4.7	5.3	0	2.1	0	0	0	0	7.2	5.7	6.8
% Trucks(M+H)	0	2	2.3	0	0	0	0	0	0	0	2.4	0	2
Stopped Buses	0	0	0	0	0	0	0	0	0	0	0	0	0

Hourly Totals

11:00-12:00	1	875	40	16	0	38	0	0	0	0	920	56	1946
11:15-12:15	1	899	44	18	0	37	0	0	0	0	931	63	1993
11:30-12:30	1	933	48	17	0	41	0	0	0	0	922	56	2018
11:45-12:45	0	978	50	18	0	45	0	0	0	0	932	51	2074
12:00-13:00	0	973	43	19	0	47	0	0	0	0	971	53	2106

INTERSECTION TURN MOVEMENT SUMMARY REPORT

File: Woem48.tm1



LOCATION:

29TH AVENUE AT TV HIGHWAY
CORNELIUS

Date: **09/23/04** Day: **THU**
Time: **13:00 - 16:00**

Report Prepared for:
DKS ASSOCIATES

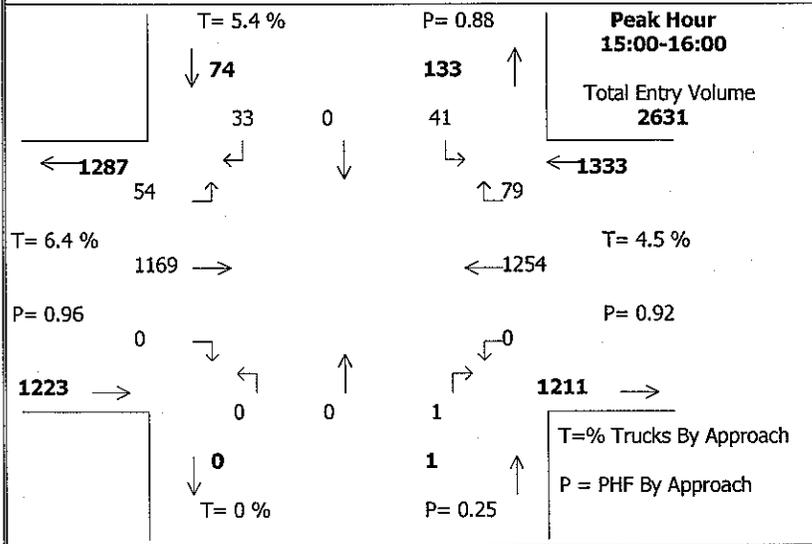
Surveyed By:
TRAFFIC SMITHY, INC
626- 120th Avenue NE
Bellevue, WA
Ph. 425-688-7888 Fax. 425-688-7784

Report Reviewed by: GC

TIME PERIOD	EASTBOUND			SOUTHBOUND			NORTHBOUND			WESTBOUND			ALL
	↙	→	↗	↙	↓	↘	↙	↑	↘	↙	←	↗	
13:00-13:05	0	76	6	6	0	5	0	0	0	0	91	7	191
13:05-13:10	0	91	4	2	0	4	0	0	0	0	82	7	190
13:10-13:15	0	75	3	0	0	6	0	0	0	0	96	4	184
13:15-13:20	0	87	4	1	0	5	0	0	0	0	85	9	191
13:20-13:25	0	76	2	0	0	5	0	0	0	0	80	3	166
13:25-13:30	0	97	3	0	0	4	0	0	0	0	79	3	186
13:30-13:35	0	96	1	2	0	7	0	0	0	1	85	5	197
13:35-13:40	0	70	4	3	0	3	0	0	0	0	76	4	160
13:40-13:45	0	90	6	1	0	3	0	0	0	0	86	4	190
13:45-13:50	0	88	0	1	0	1	0	0	0	0	90	5	185
13:50-13:55	0	111	3	0	0	7	0	0	0	0	77	4	202
13:55-14:00	0	65	3	0	0	5	0	0	0	0	81	5	159
14:00-14:05	0	85	5	3	0	4	0	0	0	0	81	6	184
14:05-14:10	0	80	1	3	0	4	0	0	0	0	92	8	188
14:10-14:15	0	95	3	0	0	6	0	0	0	0	94	9	207
14:15-14:20	0	88	5	1	0	4	0	0	0	0	103	8	209
14:20-14:25	0	63	2	2	0	1	0	0	0	0	118	6	192
14:25-14:30	0	110	5	1	0	5	0	0	0	0	89	5	215
14:30-14:35	0	57	2	0	0	8	0	0	0	0	87	4	158
14:35-14:40	0	94	6	1	0	0	0	0	0	0	101	8	210
14:40-14:45	0	85	3	4	0	2	0	0	0	0	89	11	194
14:45-14:50	0	97	4	5	0	6	0	0	0	0	123	8	243
14:50-14:55	0	73	2	2	0	9	0	0	0	0	117	7	210
14:55-15:00	0	96	4	4	0	3	0	0	0	0	102	4	213
15:00-15:05	0	78	3	4	0	2	0	0	0	0	98	5	190
15:05-15:10	0	108	5	2	0	5	0	0	0	0	97	6	223
15:10-15:15	0	89	2	2	0	4	0	0	0	0	98	5	200
15:15-15:20	0	96	5	4	0	5	0	0	1	0	112	4	227
15:20-15:25	0	99	8	1	0	1	0	0	0	0	103	8	220
15:25-15:30	0	98	4	4	0	6	0	0	0	0	88	7	207
15:30-15:35	0	94	3	1	0	3	0	0	0	0	107	8	216
15:35-15:40	0	87	9	2	0	3	0	0	0	0	102	3	206
15:40-15:45	0	111	5	3	0	5	0	0	0	0	110	10	244
15:45-15:50	0	104	2	1	0	3	0	0	0	0	119	9	238
15:50-15:55	0	98	3	3	0	3	0	0	0	0	95	3	205
15:55-16:00	0	107	5	6	0	1	0	0	0	0	125	11	255
TOTALS	0	3214	135	75	0	148	0	0	1	1	3458	223	7255
PHF	0	0.93	0.79	0.82	0	0.73	0	0	0.25	0	0.92	0.86	0.94
% Trucks	0	6.7	3	6.7	0	3.4	0	0	0	0	5	2.7	5.6
Stopped Buses	0	0	0	0	0	0	0	0	0	0	0	0	0
Pedestrians	0	0	0	0	1	0	0	1	0	0	3	0	0

INTERSECTION TURN MOVEMENT PEAK HOUR REPORT

File: Woem48.tm1



LOCATION:

29TH AVENUE AT TV HIGHWAY
CORNELIUS

Date: **09/23/04** Day: **THU**
Time: **13:00 - 16:00**

Report Prepared for:
DKS ASSOCIATES

Surveyed By:
TRAFFIC SMITHY, INC
626- 120th Avenue NE
Bellevue, WA
Ph. 425-688-7888 Fax. 425-688-7784

Report Reviewed by: *GC*

TIME PERIOD	EASTBOUND			SOUTHBOUND			NORTHBOUND			WESTBOUND			ALL
	↙	→	↗	↙	↓	↘	↙	↑	↘	↙	←	↗	

TIME PERIOD	↙	→	↗	↙	↓	↘	↙	↑	↘	↙	←	↗	ALL
ALL VEHICLES													
15:00-15:15	0	275	10	8	0	11	0	0	0	0	293	16	613
15:15-15:30	0	293	17	9	0	12	0	0	1	0	303	19	654
15:30-15:45	0	292	17	6	0	11	0	0	0	0	319	21	666
15:45-16:00	0	309	10	10	0	7	0	0	0	0	339	23	698

TIME PERIOD	↙	→	↗	↙	↓	↘	↙	↑	↘	↙	←	↗	ALL
LIGHT TRUCKS (SINGLE UNIT 2 AXLES)													
15:00-15:15	0	15	0	1	0	1	0	0	0	0	8	1	26
15:15-15:30	0	15	2	1	0	0	0	0	0	0	16	0	34
15:30-15:45	0	9	0	0	0	0	0	0	0	0	10	1	20
15:45-16:00	0	18	0	0	0	1	0	0	0	0	10	1	30

TIME PERIOD	↙	→	↗	↙	↓	↘	↙	↑	↘	↙	←	↗	ALL
MEDIUM TRUCKS (SINGLE UNIT >2 AXLES)													
15:00-15:15	0	3	0	0	0	0	0	0	0	0	1	0	4
15:15-15:30	0	2	0	0	0	0	0	0	0	0	4	0	6
15:30-15:45	0	2	0	0	0	0	0	0	0	0	3	0	5
15:45-16:00	0	6	0	0	0	0	0	0	0	0	2	0	8

TIME PERIOD	↙	→	↗	↙	↓	↘	↙	↑	↘	↙	←	↗	ALL
HEAVY TRUCKS (SEMI-TRACTOR TRAILER)													
15:00-15:15	0	0	0	0	0	0	0	0	0	0	1	0	1
15:15-15:30	0	1	0	0	0	0	0	0	0	0	1	0	2
15:30-15:45	0	2	0	0	0	0	0	0	0	0	1	0	3
15:45-16:00	0	3	0	0	0	0	0	0	0	0	0	0	3

TIME PERIOD	↙	→	↗	↙	↓	↘	↙	↑	↘	↙	←	↗	ALL
BICYCLES													
15:00-15:15	0	0	0	0	0	0	0	0	0	0	0	0	0
15:15-15:30	0	0	0	0	0	0	0	0	0	0	0	0	0
15:30-15:45	0	0	0	0	0	0	0	0	0	0	0	0	0
15:45-16:00	0	0	0	0	0	0	0	0	0	0	0	1	1

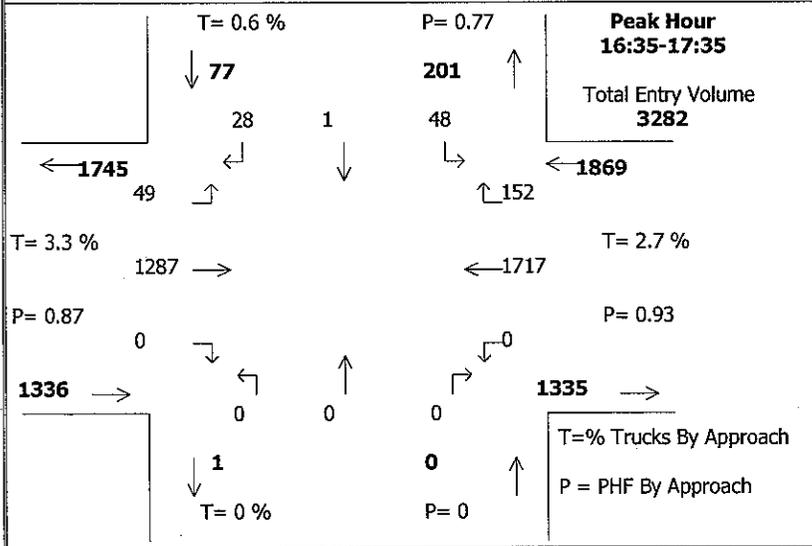
Crosswalk	SOUTH			WEST			EAST			NORTH			ALL
	↙	→	↗	↙	↓	↘	↙	↑	↘	↙	←	↗	
15:00-15:15	0			0			1			0			1
15:15-15:30	0			0			0			0			0
15:30-15:45	0			0			0			0			0
15:45-16:00	0			0			0			2			2

Peak Hour By Movement													
PHF	0	0.95	0.79	0.82	0	0.85	0	0	0.25	0	0.92	0.86	0.94
% Trucks(All)	0	6.5	3.7	6.1	0	4.9	0	0	0	0	4.5	3.8	5.4
% Trucks(M+H)	0	1.6	0	0	0	0	0	0	0	0	1	0	1.2
Stopped Buses	0	0	0	0	0	0	0	0	0	0	0	0	0

Hourly Totals													
13:00-14:00	0	1022	39	16	0	55	0	0	0	1	1008	60	2201
13:15-14:15	0	1040	35	14	0	54	0	0	0	1	1006	65	2215
13:30-14:30	0	1041	38	17	0	50	0	0	0	1	1072	69	2288
13:45-14:45	0	1021	38	16	0	47	0	0	0	0	1102	79	2303
14:00-15:00	0	1023	42	26	0	52	0	0	0	0	1196	84	2423
14:15-15:15	0	1038	43	28	0	49	0	0	0	0	1222	77	2457
14:30-15:30	0	1070	48	33	0	51	0	0	1	0	1215	77	2495
14:45-15:45	0	1126	54	34	0	52	0	0	1	0	1257	75	2599
15:00-16:00	0	1169	54	33	0	41	0	0	1	0	1254	79	2631

INTERSECTION TURN MOVEMENT SUMMARY REPORT

File: Woen14.tm1



LOCATION:

29TH AVENUE AT TV HIGHWAY
CORNELIUS

Date: **09/23/04** Day: **THU**
Time: **16:00 - 18:00**

Report Prepared for:
DKS ASSOCIATES

Surveyed By:
TRAFFIC SMITHY, INC
626- 120th Avenue NE
Bellevue, WA
Ph. 425-688-7888 Fax. 425-688-7784

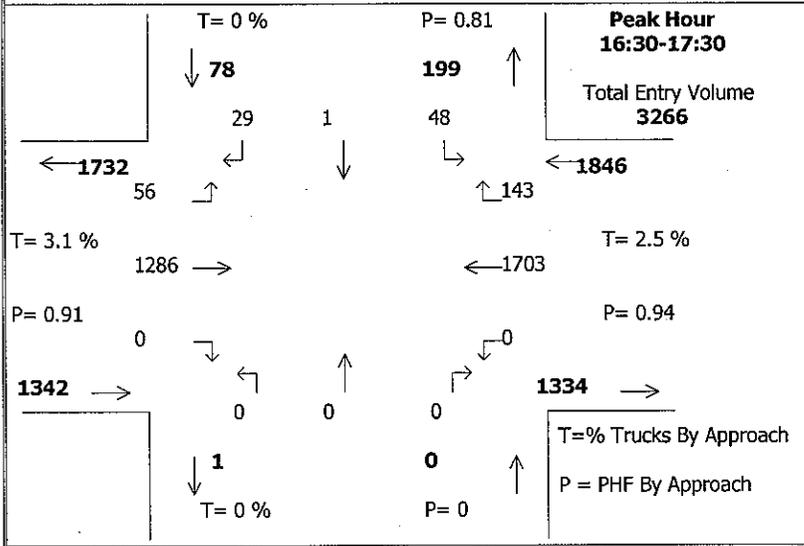
Report Reviewed by: GC

TIME PERIOD	EASTBOUND			SOUTHBOUND			NORTHBOUND			WESTBOUND			ALL
	↙	→	↗	↙	↓	↘	↙	↑	↘	↙	←	↗	
16:00-16:05	0	89	8	4	0	5	0	0	0	0	110	12	228
16:05-16:10	0	131	4	2	0	8	0	0	0	0	117	9	271
16:10-16:15	0	80	4	4	0	3	0	0	0	0	109	5	205
16:15-16:20	0	114	3	5	0	4	0	0	0	0	145	10	281
16:20-16:25	0	133	4	3	0	5	0	0	0	0	120	4	269
16:25-16:30	0	100	10	4	0	1	0	0	0	0	102	9	226
16:30-16:35	0	104	11	2	0	5	0	0	0	0	138	9	269
16:35-16:40	0	120	5	8	0	6	0	0	0	0	127	22	288
16:40-16:45	0	102	3	1	1	1	0	0	0	0	151	13	272
16:45-16:50	0	149	6	3	0	4	0	0	0	0	132	9	303
16:50-16:55	0	104	4	1	0	2	0	0	0	0	131	10	252
16:55-17:00	0	103	2	2	0	5	0	0	0	0	126	10	248
17:00-17:05	0	100	2	1	0	3	0	0	0	0	141	9	256
17:05-17:10	0	88	8	1	0	2	0	0	0	0	164	11	274
17:10-17:15	0	121	2	3	0	9	0	0	0	0	157	11	303
17:15-17:20	0	96	4	2	0	6	0	0	0	0	149	13	270
17:20-17:25	0	106	6	1	0	4	0	0	0	0	152	15	284
17:25-17:30	0	93	3	4	0	1	0	0	0	0	135	11	247
17:30-17:35	0	105	4	1	0	5	0	0	0	0	152	18	285
17:35-17:40	0	90	2	1	0	6	0	0	0	0	146	10	255
17:40-17:45	0	84	5	1	0	3	0	0	0	0	135	18	246
17:45-17:50	0	96	4	1	0	5	0	0	0	0	127	7	240
17:50-17:55	0	91	3	2	0	6	0	0	0	0	119	7	228
17:55-18:00	0	96	8	5	0	1	0	0	0	0	126	10	246

TOTALS	0	2495	115	62	1	100	0	0	0	0	3211	262	6246
PHF	0	0.87	0.88	0.58	0.25	0.63	0	0	0	0	0.91	0.86	0.95
% Trucks	0	3.4	0.9	0	0	1	0	0	0	0	2.8	1.5	2.9
Stopped Buses	0	0	0	0	0	0	0	0	0	0	0	0	
Pedestrians		3			0		0		0		1		

INTERSECTION TURN MOVEMENT PEAK HOUR REPORT

File: Woen14.tn1



LOCATION:

29TH AVENUE AT TV HIGHWAY
CORNELIUS

Date: **09/23/04**

Day: **THU**

Time: **16:00 - 18:00**

Report Prepared for:
DKS ASSOCIATES

Surveyed By:
TRAFFIC SMITHY, INC
626- 120th Avenue NE
Bellevue, WA
Ph. 425-688-7888 Fax. 425-688-7784

Report Reviewed by: GC

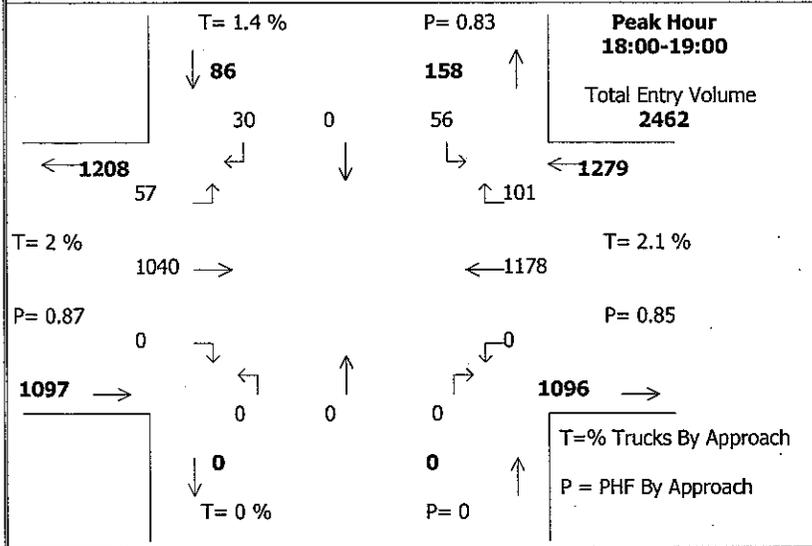
TIME PERIOD	EASTBOUND			SOUTHBOUND			NORTHBOUND			WESTBOUND			ALL
	↘	→	↗	↙	↓	↘	↖	↑	↗	↖	↗		
ALL VEHICLES													
16:30-16:45	0	326	19	11	1	12	0	0	0	0	416	44	829
16:45-17:00	0	356	12	6	0	11	0	0	0	0	389	29	803
17:00-17:15	0	309	12	5	0	14	0	0	0	0	462	31	833
17:15-17:30	0	295	13	7	0	11	0	0	0	0	436	39	801
LIGHT TRUCKS (SINGLE UNIT 2 AXLES)													
16:30-16:45	0	12	0	0	0	0	0	0	0	0	13	1	26
16:45-17:00	0	9	0	0	0	0	0	0	0	0	8	0	17
17:00-17:15	0	9	0	0	0	0	0	0	0	0	4	0	13
17:15-17:30	0	5	0	0	0	0	0	0	0	0	10	1	16
MEDIUM TRUCKS (SINGLE UNIT >2 AXLES)													
16:30-16:45	0	1	0	0	0	0	0	0	0	0	1	0	2
16:45-17:00	0	0	0	0	0	0	0	0	0	0	1	0	1
17:00-17:15	0	2	0	0	0	0	0	0	0	0	0	0	2
17:15-17:30	0	0	0	0	0	0	0	0	0	0	1	0	1
HEAVY TRUCKS (SEMI-TRACTOR TRAILER)													
16:30-16:45	0	1	0	0	0	0	0	0	0	0	1	0	2
16:45-17:00	0	0	0	0	0	0	0	0	0	0	0	0	0
17:00-17:15	0	0	0	0	0	0	0	0	0	0	3	0	3
17:15-17:30	0	2	0	0	0	0	0	0	0	0	2	0	4
BICYCLES													
16:30-16:45	0	0	0	0	0	0	0	0	0	0	1	0	1
16:45-17:00	0	0	0	0	0	0	0	0	0	0	0	0	0
17:00-17:15	0	0	0	0	0	0	0	0	0	0	0	0	0
17:15-17:30	0	0	0	0	0	0	0	0	0	0	0	0	0
PEDESTRIANS													
Crosswalk	SOUTH			WEST			EAST			NORTH			ALL
16:30-16:45	0	0	0	0	0	0	0	0	0	0	0	0	0
16:45-17:00	0	0	0	0	0	0	0	0	0	0	0	0	0
17:00-17:15	0	0	0	0	0	0	0	0	0	1	0	0	1
17:15-17:30	0	0	0	0	0	0	0	0	0	0	0	0	0

Peak Hour By Movement													
PHF	0	0.9	0.74	0.66	0.25	0.86	0	0	0	0	0.92	0.81	0.98
% Trucks(All)	0	3.2	0	0	0	0	0	0	0	0	2.6	1.4	2.7
% Trucks(M+H)	0	0.5	0	0	0	0	0	0	0	0	0.5	0	0.5
Stopped Buses	0	0	0	0	0	0	0	0	0	0	0	0	0

Hourly Totals													
16:00-17:00	0	1329	64	39	1	49	0	0	0	0	1508	122	3112
16:15-17:15	0	1338	60	34	1	47	0	0	0	0	1634	127	3241
16:30-17:30	0	1286	56	29	1	48	0	0	0	0	1703	143	3266
16:45-17:45	0	1239	48	21	0	50	0	0	0	0	1720	145	3223
17:00-18:00	0	1166	51	23	0	51	0	0	0	0	1703	140	3134

INTERSECTION TURN MOVEMENT SUMMARY REPORT

File: Woeo37.tml



LOCATION:

29TH AVENUE AT TV HIGHWAY
CORNELIUS

Date: **09/23/04** Day: **THU**
Time: **18:00 - 19:45**

Report Prepared for:
DKS ASSOCIATES

Surveyed By:
TRAFFIC SMITHY, INC
626- 120th Avenue NE
Bellevue, WA
Ph. 425-688-7888 Fax. 425-688-7784

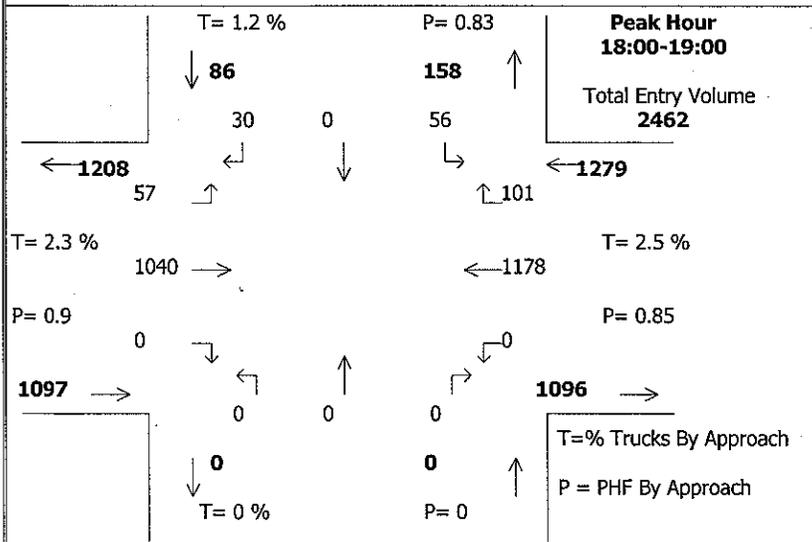
Report Reviewed by: GC

TIME PERIOD	EASTBOUND			SOUTHBOUND			NORTHBOUND			WESTBOUND			ALL
	↓	→	↗	↖	↓	↘	↖	↑	↗	↖	←	↗	
18:00-18:05	0	68	10	1	0	2	0	0	0	0	113	17	211
18:05-18:10	0	91	4	0	0	14	0	0	0	0	109	11	229
18:10-18:15	0	100	6	0	0	2	0	0	0	0	117	7	232
18:15-18:20	0	83	6	4	0	4	0	0	0	0	81	9	187
18:20-18:25	0	94	5	5	0	5	0	0	0	0	116	9	234
18:25-18:30	0	93	1	5	0	3	0	0	0	0	101	8	211
18:30-18:35	0	115	9	1	0	5	0	0	0	0	90	6	226
18:35-18:40	0	87	5	2	0	4	0	0	0	0	93	8	199
18:40-18:45	0	83	6	4	0	5	0	0	0	0	110	9	217
18:45-18:50	0	88	1	3	0	6	0	0	0	0	85	9	192
18:50-18:55	0	70	1	3	0	4	0	0	0	0	73	6	157
18:55-19:00	0	68	3	2	0	2	0	0	0	0	90	2	167
19:00-19:05	0	93	5	2	0	4	0	0	0	0	72	8	184
19:05-19:10	0	55	4	6	0	6	0	0	0	0	78	10	159
19:10-19:15	0	65	7	0	0	6	0	0	0	0	62	7	147
19:15-19:20	0	61	4	4	0	8	0	0	0	0	84	7	168
19:20-19:25	0	68	2	3	0	2	0	0	0	0	92	11	178
19:25-19:30	0	57	4	1	0	2	0	0	0	0	107	4	175
19:30-19:35	0	64	6	2	0	2	0	0	0	0	86	5	165
19:35-19:40	0	64	7	0	0	3	0	0	0	0	54	10	138
19:40-19:45	0	57	5	3	0	2	0	0	0	0	76	7	150

TOTALS	0	1624	101	51	0	91	0	0	0	0	1889	170	3926
PHF	0	0.86	0.71	0.54	0	0.7	0	0	0	0	0.87	0.72	0.92
% Trucks	0	2	1	0	0	2.2	0	0	0	0	2.2	1.2	2
Stopped Buses	0	0	0	0	0	0	0	0	0	0	0	0	0
Pedestrians		0		0	0		0	0	0	0	5		

INTERSECTION TURN MOVEMENT PEAK HOUR REPORT

File: Woeo37.tml



LOCATION:

29TH AVENUE AT TV HIGHWAY
CORNELIUS

Date: **09/23/04** Day: **THU**
Time: **18:00 - 19:45**

Report Prepared for:
DKS ASSOCIATES

Surveyed By:
TRAFFIC SMITHY, INC
626- 120th Avenue NE
Bellevue, WA
Ph. 425-688-7888 Fax. 425-688-7784

Report Reviewed by: GC

TIME PERIOD	EASTBOUND			SOUTHBOUND			NORTHBOUND			WESTBOUND			ALL
	↘	→	↗	↙	↓	↘	↖	↑	↗	↖	←	↗	
ALL VEHICLES													
18:00-18:15	0	259	20	1	0	18	0	0	0	0	339	35	672
18:15-18:30	0	270	12	14	0	12	0	0	0	0	298	26	632
18:30-18:45	0	285	20	7	0	14	0	0	0	0	293	23	642
18:45-19:00	0	226	5	8	0	12	0	0	0	0	248	17	516
LIGHT TRUCKS (SINGLE UNIT 2 AXLES)													
18:00-18:15	0	4	0	0	0	1	0	0	0	0	5	1	11
18:15-18:30	0	9	0	0	0	0	0	0	0	0	9	0	18
18:30-18:45	0	6	0	0	0	0	0	0	0	0	7	0	13
18:45-19:00	0	2	0	0	0	0	0	0	0	0	5	0	7
MEDIUM TRUCKS (SINGLE UNIT >2 AXLES)													
18:00-18:15	0	0	0	0	0	0	0	0	0	0	1	0	1
18:15-18:30	0	2	0	0	0	0	0	0	0	0	0	0	2
18:30-18:45	0	0	0	0	0	0	0	0	0	0	0	0	0
18:45-19:00	0	1	0	0	0	0	0	0	0	0	2	0	3
HEAVY TRUCKS (SEMI-TRACTOR TRAILER)													
18:00-18:15	0	0	0	0	0	0	0	0	0	0	1	0	1
18:15-18:30	0	0	0	0	0	0	0	0	0	0	0	0	0
18:30-18:45	0	1	0	0	0	0	0	0	0	0	0	0	1
18:45-19:00	0	0	0	0	0	0	0	0	0	0	1	0	1
BICYCLES													
18:00-18:15	0	1	0	0	0	0	0	0	0	0	0	0	1
18:15-18:30	0	0	0	0	0	0	0	0	0	0	0	0	0
18:30-18:45	0	0	0	0	0	0	0	0	0	0	0	0	0
18:45-19:00	0	0	0	0	0	0	0	0	0	0	0	0	0
PEDESTRIANS													
Crosswalk	SOUTH			WEST			EAST			NORTH			ALL
18:00-18:15	0	0	0	0	0	0	0	0	0	0	0	0	0
18:15-18:30	0	0	0	0	0	0	0	0	0	2	0	0	2
18:30-18:45	0	0	0	0	0	0	0	0	0	0	0	0	0
18:45-19:00	0	0	0	0	0	0	0	0	0	1	0	0	1

Peak Hour By Movement

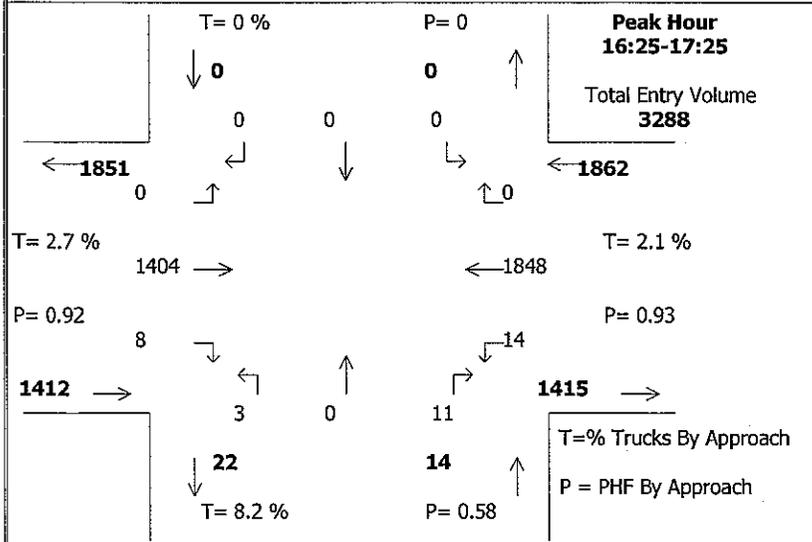
PHF	0	0.91	0.71	0.54	0	0.78	0	0	0	0	0.87	0.72	0.92
% Trucks(All)	0	2.4	0	0	0	1.8	0	0	0	0	2.6	1	2.4
% Trucks(M+H)	0	0.4	0	0	0	0	0	0	0	0	0.4	0	0.4
Stopped Buses	0	0	0	0	0	0	0	0	0	0	0	0	0

Hourly Totals

18:00-19:00	0	1040	57	30	0	56	0	0	0	0	1178	101	2462
18:15-19:15	0	994	53	37	0	54	0	0	0	0	1051	91	2280
18:30-19:30	0	910	51	31	0	54	0	0	0	0	1036	87	2169
18:45-19:45	0	810	49	29	0	47	0	0	0	0	959	86	1980

INTERSECTION TURN MOVEMENT SUMMARY REPORT

File: ERAW.mod



LOCATION:

SW 331ST AVE AT T.V. HWY (HWY 8)
CORNELIUS, OR

Date: **09/30/04** Day: **THU**
Time: **16:00 - 19:00**

Report Prepared for:
DKS ASSOCIATES

Surveyed By:
TRAFFIC SMITHY, INC
1225 NW Murray Blvd Suite 111
Portland, OR 97229
Phone: 503-641-6333 Fax: 503-643-8866

Report Reviewed by: *JG*

TIME PERIOD	EASTBOUND			SOUTHBOUND			NORTHBOUND			WESTBOUND			ALL
	↘	→	↗	↙	↓	↘	↖	↑	↗	↖	↗		
16:00-16:05	1	102	0	0	0	0	0	0	0	1	137	0	241
16:05-16:10	0	107	0	0	0	0	0	0	0	1	117	0	225
16:10-16:15	0	117	0	0	0	0	1	0	4	1	134	0	257
16:15-16:20	0	99	0	0	0	0	0	0	1	0	137	0	237
16:20-16:25	0	115	0	0	0	0	0	0	2	1	128	0	246
16:25-16:30	0	136	0	0	0	0	0	0	0	0	153	0	289
16:30-16:35	2	119	0	0	0	0	0	0	1	0	143	0	265
16:35-16:40	1	125	0	0	0	0	0	0	0	1	142	0	269
16:40-16:45	0	132	0	0	0	0	0	0	4	2	157	0	295
16:45-16:50	0	111	0	0	0	0	1	0	1	1	152	0	266
16:50-16:55	0	124	0	0	0	0	0	0	0	1	144	0	269
16:55-17:00	0	102	0	0	0	0	0	0	0	0	153	0	255
17:00-17:05	2	97	0	0	0	0	1	0	2	3	158	0	263
17:05-17:10	1	109	0	0	0	0	1	0	0	3	154	0	268
17:10-17:15	1	121	0	0	0	0	0	0	1	2	179	0	304
17:15-17:20	0	105	0	0	0	0	0	0	1	1	160	0	267
17:20-17:25	1	123	0	0	0	0	0	0	1	0	153	0	278
17:25-17:30	0	119	0	0	0	0	1	0	2	0	145	0	267
17:30-17:35	0	80	0	0	0	0	0	0	1	3	159	0	243
17:35-17:40	2	87	0	0	0	0	0	0	1	0	160	0	250
17:40-17:45	0	87	0	0	0	0	0	0	4	2	155	0	248
17:45-17:50	0	102	0	0	0	0	0	0	3	0	149	0	254
17:50-17:55	0	94	0	0	0	0	0	0	0	0	128	0	222
17:55-18:00	0	92	0	0	0	0	0	0	3	3	114	0	212
18:00-18:05	0	74	0	0	0	0	0	0	1	1	136	0	212
18:05-18:10	0	113	0	0	0	0	1	0	0	1	105	0	220
18:10-18:15	0	82	0	0	0	0	0	0	2	2	135	0	221
18:15-18:20	0	97	0	0	0	0	0	0	1	2	97	0	197
18:20-18:25	1	95	0	0	0	0	1	0	0	3	122	0	222
18:25-18:30	0	93	0	0	0	0	0	0	0	1	113	0	207
18:30-18:35	1	85	0	0	0	0	1	0	1	1	116	0	205
18:35-18:40	0	109	0	0	0	0	0	0	0	1	82	0	192
18:40-18:45	0	94	0	0	0	0	0	0	1	3	98	0	196
18:45-18:50	0	72	0	0	0	0	0	0	2	1	114	0	189
18:50-18:55	1	74	0	0	0	0	0	0	0	0	85	0	160
18:55-19:00	1	82	0	0	0	0	0	0	1	1	121	0	206

TOTALS	15	3675	0	0	0	0	8	0	41	43	4835	0	8617
PHF	0.5	0.92	0	0	0	0	0.38	0	0.55	0.44	0.94	0	0.97
% Trucks	6.7	2.7	0	0	0	0	0	0	9.8	2.3	2.1	0	2.4
Stopped Buses	0	0	0	0	0	0	0	0	0	0	3	0	0
Pedestrians		1									0		

PERFORMANCE CALCULATIONS

Cornelius TSP

Scenario Report

Existing PM

Command: Existing PM
 Volume: Existing PM
 Geometry: Existing PM
 Impact Fee: Default Impact Fee
 Trip Generation: Default Trip Generation
 Trip Distribution: Default Trip Distribution
 Paths: Default Paths
 Routes: Default Routes
 Configuration: Default Configuration

Cornelius TSP

Impact Analysis Report
 Level Of Service

Intersection	Base Del./ LOS Veh A	V/ C A	Future Del./ LOS Veh A	Change in C A
# 1 4th Ave/Adair St	7.8	0.659	7.8	0.000 D/V
# 2 4th Ave/Baseline St	8.0	0.613	8.0	0.000 D/V
# 3 4th Ave/Dogwood St	9.5	0.000	9.5	0.000 D/V
# 4 4th Ave/Heather St	7.8	0.169	7.8	0.000 V/C
# 5 10th Ave/Dogwood St	13.8	0.000	13.8	0.000 D/V
# 6 10th Ave/Lindent St/Flax Plant	11.9	0.000	11.9	0.000 D/V
# 7 10th Ave/Baseline St	12.0	0.707	12.0	0.000 D/V
# 8 10th Ave/Adair St	12.3	0.696	12.3	0.000 D/V
# 9 10th Ave/Davis St	13.2	0.000	13.2	0.000 D/V
# 10 10th Ave/Holladay St	10.8	0.000	10.8	0.000 D/V
# 11 14th Ave/Baseline St	112.1	0.000	112.1	0.000 D/V
# 12 14th Ave/Adair St	122.8	0.000	122.8	0.000 D/V
# 13 19th Ave/Baseline St	37.0	0.000	37.0	0.000 D/V
# 14 19th Ave/Davis St	17.3	0.000	17.3	0.000 D/V
# 15 20th Ave/Dogwood St	10.0	0.000	10.0	0.000 D/V
# 16 26th Ave/Baseline St	10.4	0.706	10.4	0.000 D/V
# 17 29th Ave/TV Hwy	828.5	0.000	828.5	0.000 D/V
# 18 331st Ave/TV Hwy	49.8	0.000	49.8	0.000 D/V

Cornelius TSP

Level Of Service Computation Report

2000 HCM Unsignalized Method (Base Volume Alternative)

Intersection #5 10th Ave/Dogwood St

Average Delay (sec/veh): 2.4 Worst Case Level Of Service: B [13.8]

Street Name: 10th Ave Dogwood St

Approach: North Bound South Bound East Bound West Bound

Table with columns for L, T, R, L, T, R, L, T, R and rows for Control, Rights, Lanes.

Volume Module:

Table with columns for Base Vol, Growth Adj, Initial Bse, User Adj, PHF Adj, PHF Volume, Reduct Vol, Final Vol.

Critical Gap Module:

Table with columns for Critical Gap, FollowUpTim.

Capacity Module:

Table with columns for Conflict Vol, Potent Cap, Move Cap, Volume/Cap.

Level Of Service Module:

Table with columns for Queue, Stopped Del, LOS By Move, Movement, Shared Cap, Shared Queue, Shrd StpDel, Shared LOS, ApproachDel, ApproachLOS.

Cornelius TSP

Level Of Service Computation Report

2000 HCM Unsignalized Method (Base Volume Alternative)

Intersection #6 10th Ave/Lindent St/Flax Plant Rd

Average Delay (sec/veh): 1.8 Worst Case Level Of Service: B [11.9]

Street Name: 10th Ave Lindent St/Flax Plant Rd

Approach: North Bound South Bound East Bound West Bound

Table with columns for L, T, R, L, T, R, L, T, R and rows for Control, Rights, Lanes.

Volume Module:

Table with columns for Base Vol, Growth Adj, Initial Bse, User Adj, PHF Adj, PHF Volume, Reduct Vol, Final Vol.

Critical Gap Module:

Table with columns for Critical Gap, FollowUpTim.

Capacity Module:

Table with columns for Conflict Vol, Potent Cap, Move Cap, Volume/Cap.

Level Of Service Module:

Table with columns for Queue, Stopped Del, LOS By Move, Movement, Shared Cap, Shared Queue, Shrd StpDel, Shared LOS, ApproachDel, ApproachLOS.

Cornelius TSP

Level Of Service Computation Report

2000 HCM Unsignalized Method (Base Volume Alternative)

Intersection #11 14th Ave/Baseline St

Average Delay (sec/veh): 5.9 Worst Case Level Of Service: F[112.1]

Street Name: 14th Ave Baseline St
Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Control: Stop Sign Uncontrolled Uncontrolled
Rights: Include Include Include
Lanes: 0 0 0 1 0 0 1 0 0 0 1 0 0 0 0 0

Volume Module:
Base Vol: 0 25 42 21 45 0 18 1630 25 0 0 0
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 0 25 42 21 45 0 18 1630 25 0 0 0
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 0.94 0.94 0.94 0.94 0.94 0.94 0.94 0.94 0.94 0.94 0.94 0.94
PHF Volume: 0 27 45 22 48 0 19 1734 27 0 0 0
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Final Vol.: 0 27 45 22 48 0 19 1734 27 0 0 0

Critical Gap Module:
Critical Gap: 6.5 6.2 7.1 6.5 xxxxx 4.1 xxxx xxxxx xxxxx xxxx xxxx
FollowUpTrim: 4.0 3.3 3.5 4.0 xxxxx 2.2 xxxx xxxxx xxxxx xxxx xxxx

Capacity Module:
Conflict Vol: 880 919 1799 xxxxx 0 xxxxx xxxxx xxxxx xxxxx xxxxx
Potential Cap.: 82 349 254 81 xxxxx 900 xxxxx xxxxx xxxxx xxxxx xxxxx
Move Cap.: 81 349 162 79 xxxxx 900 xxxxx xxxxx xxxxx xxxxx xxxxx
Volume/Cap: 0.33 0.13 0.14 0.61 xxxxx 0.02 xxxxx xxxxx xxxxx xxxxx xxxxx

Level Of Service Module:
Queue: xxxxx xxxxx xxxxx xxxxx xxxxx 0.1 xxxxx xxxxx xxxxx xxxxx xxxxx
Stopped Del: xxxxx xxxxx xxxxx xxxxx xxxxx 9.1 xxxxx xxxxx xxxxx xxxxx xxxxx
LOS by Move: * * * * * A * * * * *
Movement: LT - LTR - RT LT - LTR - RT LT - LTR - RT LT - LTR - RT
Shared Cap.: xxxxx xxxxx 156 94 xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx
Shared Queue: xxxxx xxxxx 2.1 3.8 xxxxx xxxxx 0.1 xxxxx xxxxx xxxxx xxxxx xxxxx
Shrd StpDel: xxxxx xxxxx 46.3 112.1 xxxxx xxxxx 9.1 xxxxx xxxxx xxxxx xxxxx xxxxx
Shared LOS: * * * * * E F * * * * * A * * * * *
ApproachDel: 46.3 112.1
ApproachLOS: E F

Cornelius TSP

Level Of Service Computation Report

2000 HCM Unsignalized Method (Base Volume Alternative)

Intersection #12 14th Ave/Adair St

Average Delay (sec/veh): 6.0 Worst Case Level Of Service: F[122.8]

Street Name: 14th Ave Adair St
Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Control: Stop Sign Uncontrolled Uncontrolled
Rights: Include Include Include
Lanes: 0 1 0 0 0 0 0 0 1 0 0 0 0 0 1 0 0

Volume Module:
Base Vol: 21 20 0 0 33 23 0 0 0
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 21 20 0 0 33 23 0 0 0
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 0.95 0.95 0.95 0.95 0.95 0.95 0.95 0.95 0.95 0.95 0.95 0.95 0.95
PHF Volume: 22 21 0 0 35 24 0 0 0
Reduct Vol: 0 0 0 0 0 0 0 0 0
Final Vol.: 22 21 0 0 35 24 0 0 0

Critical Gap Module:
Critical Gap: 7.1 6.5 xxxxx xxxxx 6.5 6.2 xxxxx xxxxx xxxxx 4.1 xxxx xxxxx
FollowUpTrim: 3.5 4.0 xxxxx xxxxx 4.0 3.3 xxxxx xxxxx xxxxx 2.2 xxxx xxxxx

Capacity Module:
Conflict Vol: 1070 2028 xxxxx xxxxx 2016 964 xxxxx xxxxx xxxxx 0 xxxxx xxxxx
Potential Cap.: 201 58 xxxxx xxxxx 59 312 xxxxx xxxxx xxxxx 900 xxxxx xxxxx
Move Cap.: 89 55 xxxxx xxxxx 56 312 xxxxx xxxxx xxxxx 900 xxxxx xxxxx
Volume/Cap: 0.25 0.38 xxxxx xxxxx 0.62 0.08 xxxxx xxxxx xxxxx 0.06 xxxxx xxxxx

Level Of Service Module:
Queue: xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx 0.2 xxxxx xxxxx
Stopped Del: xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx 9.2 xxxxx xxxxx
LOS by Move: * * * * * * * * * * * A * * * * *
Movement: LT - LTR - RT LT - LTR - RT LT - LTR - RT LT - LTR - RT
Shared Cap.: 68 xxxxx xxxxx xxxxx xxxxx 84 xxxxx xxxxx xxxxx xxxxx xxxxx
Shared Queue: 2.7 xxxxx xxxxx xxxxx xxxxx 3.4 xxxxx xxxxx xxxxx xxxxx xxxxx
Shrd StpDel: 122.8 xxxxx xxxxx xxxxx xxxxx 114.7 xxxxx xxxxx xxxxx xxxxx xxxxx
Shared LOS: F * * * * * F * * * * * A * * * * *
ApproachDel: 122.8 114.7
ApproachLOS: F F

Cornelius TSP

Level Of Service Computation Report
2000 HCM Unsignalized Method (Base Volume Alternative)

Intersection #13 19th Ave/Baseline St
Average Delay (sec/veh): 2.8 Worst Case Level Of Service: E [37.0]

Street Name: 19th Ave South Bound East Bound West Bound
Approach: North Bound South Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Control: Stop Sign Stop Sign Uncontrolled Uncontrolled
Rights: Include Include Include Include
Lanes: 0 0 0 0 1 0 0 0 0 1 1 0 0 0 0 0 0 0

Volume Module:
Base Vol: 0 0 84 0 0 155 1424 0 0 0 0
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 0 0 84 0 0 155 1424 0 0 0 0
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.93
PHF Volume: 0 0 90 0 0 167 1531 0 0 0 0
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0
Final Vol.: 0 0 90 0 0 167 1531 0 0 0 0

Critical Gap Module:
Critical Gp:xxxxx 6.4 xxxx xxxxx 4.1 xxxx xxxxxx xxxxx xxxx xxxxx
FollowUpTim:xxxxx 3.5 xxxx xxxxxx 2.2 xxxx xxxxxx xxxxx xxxx xxxxx

Capacity Module:
Conflict Vol: xxxx xxxx xxxxx 1099 xxxx xxxxxx 0 xxxx xxxxxx xxxxx xxxx xxxxx
Potent Cap.: xxxx xxxx xxxxx 237 xxxx xxxxxx 900 xxxx xxxxxx xxxxx xxxx xxxxx
Move Cap.: xxxx xxxx xxxxx 200 xxxx xxxxxx 900 xxxx xxxxxx xxxxx xxxx xxxxx
Volume/Cap: xxxx xxxx xxxxx 0.45 xxxx xxxxxx 0.19 xxxx xxxxxx xxxxx xxxx xxxxx

Level Of Service Module:
Queue: xxxxx xxxx xxxxx 2.1 xxxx xxxxxx 0.7 xxxx xxxxxx xxxxx xxxx xxxxx
Stopped Del:xxxxx xxxx xxxxx 37.0 xxxx xxxxxx 9.9 xxxx xxxxxx xxxxx xxxx xxxxx
LOS by Move: * * * * * E * * * * * A * * * * *
Movement: * * * * * LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxx xxxx xxxx xxxxxx xxxxx xxxx xxxxxx xxxxx xxxx xxxxx
SharedQueue:xxxxx xxxx xxxx xxxxx xxxxx xxxxx 0.7 xxxx xxxxxx xxxxx xxxx xxxxx
Shrd StpDel:xxxxx xxxx xxxx xxxxx xxxxx xxxxx 9.9 xxxx xxxxxx xxxxx xxxx xxxxx
Shared LOS: * * * * * * * * * * A * * * * *
ApproachDel: xxxxxx * 37.0 xxxxxx * xxxxxx *
ApproachLOS: * * * * * E

Cornelius TSP

Level Of Service Computation Report
2000 HCM Unsignalized Method (Base Volume Alternative)

Intersection #14 19th Ave/Davis St
Average Delay (sec/veh): 5.8 Worst Case Level Of Service: C [17.3]

Street Name: 19th Ave North Bound East Bound West Bound
Approach: North Bound South Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Control: Uncontrolled Uncontrolled Uncontrolled Uncontrolled
Rights: Include Include Include Include
Lanes: 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0

Volume Module:
Base Vol: 11 140 43 75 208 48 27 32 16 28 54 69
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 11 140 43 75 208 48 27 32 16 28 54 69
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.93
PHF Volume: 12 151 46 81 224 52 29 34 17 30 58 74
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Final Vol.: 12 151 46 81 224 52 29 34 17 30 58 74

Critical Gap Module:
Critical Gp: 4.1 xxxx xxxxxx 4.1 xxxx xxxxxx 7.1 6.5 6.2 7.1 6.5 6.2
FollowUpTim: 2.2 xxxx xxxxxx 2.2 xxxx xxxxxx 3.5 4.0 3.3 3.5 4.0 3.3

Capacity Module:
Conflict Vol: 275 xxxxx xxxxxx 197 xxxxx xxxxxx 674 631 249 634 634 174
Potent Cap.: 1299 xxxxx xxxxxx 1388 xxxxx xxxxxx 371 401 794 395 399 875
Move Cap.: 1299 xxxxx xxxxxx 1388 xxxxx xxxxxx 283 373 794 340 371 875
Volume/Cap: 0.01 xxxxx xxxxx 0.06 xxxxx xxxxx 0.10 0.09 0.02 0.09 0.16 0.08

Level Of Service Module:
Queue: 0.0 xxxxx xxxxxx 0.2 xxxxx xxxxxx xxxxx xxxxx xxxxx xxxxx xxxxx
Stopped Del: 7.8 xxxxx xxxxxx 7.8 xxxxx xxxxxx xxxxx xxxxx xxxxx xxxxx
LOS by Move: A * * * * * A * * * * *
Movement: LT - LTR - RT
Shared Cap.: xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx
SharedQueue:xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx 0.8 xxxxx xxxxx 1.4 xxxxx
Shrd StpDel:xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx 17.3 xxxxx xxxxx 15.9 xxxxx
Shared LOS: * * * * * * * * * * C * * * * *
ApproachDel: xxxxxx * 17.3 xxxxxx * 15.9
ApproachLOS: * * * * * C

Cornelius TSP

Level Of Service Computation Report
2000 HCM Unsignalized Method (Base Volume Alternative)
Intersection #17 29th Ave/TV Hwy
Average Delay (sec/veh): 19.8 Worst Case Level Of Service: F[828.5]

Street Name: 29th Ave TV Hwy
Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R
Control: Stop Sign Uncontrolled Uncontrolled
Rights: Include Include Include
Lanes: 0 0 0 0 0 1 0 1 0 1 0 2 0 0 1 0 2 0 1

Volume Module:
Base Vol: 0 0 0 48 1 28 49 1287 0 0 1717 152
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 0 0 48 1 28 49 1287 0 0 1717 152
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 0.95 0.95 0.95 0.95 0.95 0.95 0.95 0.95 0.95 0.95 0.95 0.95
PHF Volume: 0 0 51 1 29 52 1355 0 0 1807 160
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Final Vol: 0 0 51 1 29 52 1355 0 0 1807 160

Critical Gap Module:
Critical Gap: xxxxxx xxxxx xxxxx 6.8 6.5 6.9 4.1 xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx
FollowUpTim: xxxxx xxxxx xxxxx 3.5 4.0 3.3 2.2 xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx

Capacity Module:
Conflict Vol: xxxxx xxxxx xxxxx 2588 3265 904 1967 xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx
Potential Cap.: xxxxx xxxxx xxxxx 21 9 284 299 xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx
Move Cap.: xxxxx xxxxx xxxxx 18 8 284 299 xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx
Volume/Cap: xxxxx xxxxx xxxxx 2.75 0.14 0.10 0.17 xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx

Level Of Service Module:
Queue: xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx 0.6 xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx
Stopped Del: xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx 19.5 xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx
LOS by Move: * * * * * C * * * * *
Movement: LT - LTR - RT LT - LTR - RT LT - LTR - RT LT - LTR - RT
Shared Cap.: xxxxx xxxxx xxxxx 18 xxxxx 126 xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx
SharedQueue: xxxxx xxxxx xxxxx 7.0 xxxxx 0.9 xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx
Shrd StpDel: xxxxx xxxxx xxxxx 1294 xxxxx 42.3 xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx
Shared LOS: * * * * * F * * * * * E * * * * *
ApproachDel: xxxxxx * 828.5 xxxxxx * xxxxxx *
ApproachLOS: * * * * * F * * * * * E * * * * *

Cornelius TSP

Level Of Service Computation Report
2000 HCM Unsignalized Method (Base Volume Alternative)
Intersection #18 331st Ave/TV Hwy
Average Delay (sec/veh): 0.3 Worst Case Level Of Service: E[49.8]

Street Name: 331st Ave TV Hwy
Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R
Control: Stop Sign Uncontrolled Uncontrolled
Rights: Include Include Include
Lanes: 0 0 1 0 0 0 0 0 0 0 1 0 1 0 1 0 2 0 0

Volume Module:
Base Vol: 4 0 13 0 0 0 0 0 1387 8 14 1840 0
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 4 0 13 0 0 0 0 0 1387 8 14 1840 0
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 0.98 0.98 0.98 0.98 0.98 0.98 0.98 0.98 0.98 0.98 0.98 0.98
PHF Volume: 4 0 13 0 0 0 0 0 1415 8 14 1878 0
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0 0
Final Vol: 4 0 13 0 0 0 0 0 1415 8 14 1878 0

Critical Gap Module:
Critical Gap: 6.8 xxxxx 6.9 xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx 4.1 xxxxx xxxxx
FollowUpTim: 3.5 xxxxx 3.3 xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx 2.2 xxxxx xxxxx

Capacity Module:
Conflict Vol: 2387 xxxxx 712 xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx 1423 xxxxx xxxxx
Potential Cap.: 29 xxxxx 380 xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx 484 xxxxx xxxxx
Move Cap.: 29 xxxxx 380 xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx 484 xxxxx xxxxx
Volume/Cap: 0.14 xxxxx 0.03 xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx 0.03 xxxxx xxxxx

Level Of Service Module:
Queue: xxxxx 0.1 xxxxx xxxxx
Stopped Del: xxxxx 12.7 xxxxx xxxxx
LOS by Move: * * * * * * * * * * * E * * * * *
Movement: LT - LTR - RT LT - LTR - RT LT - LTR - RT LT - LTR - RT
Shared Cap.: xxxxx 97 xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx
SharedQueue: xxxxx 0.6 xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx
Shrd StpDel: xxxxx 49.8 xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx
Shared LOS: * * * * * E * * * * * * * * * * *
ApproachDel: xxxxxx * 49.8 xxxxxx * xxxxxx *
ApproachLOS: * * * * * E * * * * *

Cornelius TSP
2025 Financially Constrained Model
PM Peak Hour

Scenario Report

2025 PM

Command: Existing PM
Volume: Existing PM
Geometry: Existing PM
Impact Fee: Default Impact Fee
Trip Generation: Default Trip Generation
Trip Distribution: Default Trip Distribution
Paths: Default Paths
Routes: Default Routes
Configuration: Default Configuration

Cornelius TSP
2025 Financially Constrained Model
PM Peak Hour

Impact Analysis Report
Level Of Service

Intersection	Base Del/ LOS A	V/ Veh C	Future Del/ LOS A	V/ Veh C	Change in
# 1 4th Ave/Adair St	8.1	0.711	8.1	0.711	+ 0.000 D/V
# 2 4th Ave/Baseline St	7.8	0.641	7.8	0.641	+ 0.000 D/V
# 3 4th Ave/Dogwood St	9.2	0.000	9.2	0.000	+ 0.000 D/V
# 4 4th Ave/Heather St	7.8	0.156	7.8	0.156	+ 0.000 V/C
# 5 10th Ave/Dogwood St	13.2	0.000	13.2	0.000	+ 0.000 D/V
# 6 10th Ave/Lindent St/Flax Plant	11.8	0.000	11.8	0.000	+ 0.000 D/V
# 7 10th Ave/Baseline St	11.8	0.686	11.8	0.686	+ 0.000 D/V
# 8 10th Ave/Adair St	14.8	0.840	14.8	0.840	+ 0.000 D/V
# 9 10th Ave/Davis St	21.0	0.000	21.0	0.000	+ 0.000 D/V
# 10 10th Ave/Holladay St	19.4	0.000	19.4	0.000	+ 0.000 D/V
# 11 14th Ave/Baseline St	7.0	0.681	7.0	0.681	+ 0.000 D/V
# 12 14th Ave/Adair St	11.1	0.831	11.1	0.831	+ 0.000 D/V
# 13 20th Ave/Baseline St	23.8	0.911	23.8	0.911	+ 0.000 D/V
# 14 19th Ave/Davis St	21.9	0.000	21.9	0.000	+ 0.000 D/V
# 15 20th Ave/Dogwood St	10.0	0.000	10.0	0.000	+ 0.000 D/V
# 16 26th Ave/Baseline St	8.9	0.655	8.9	0.655	+ 0.000 D/V
# 17 29th Ave/TV Hwy	596.6	0.000	596.6	0.000	+ 0.000 D/V
# 18 331st Ave/TV Hwy	19.8	0.000	19.8	0.000	+ 0.000 D/V

Cornelius TSP
 2025 Financially Constrained Model
 PM Peak Hour

Level Of Service Computation Report
 2000 HCM Unsignalized Method (Future Volume Alternative)

 Intersection #3 4th Ave/Dogwood St

Average Delay (sec/veh): 1.8 Worst Case Level Of Service: A I 9.2

Street Name: 4th Ave Dogwood St
 Approach: North Bound South Bound East Bound West Bound
 Movement: L - T - R L - T - R L - T - R L - T - R

Control: Uncontrolled Uncontrolled Stop Sign Stop Sign
 Rights: Include Include Include Include
 Lanes: 0 0 0 1 0 0 0 0 0 0 0 0 0 0 1 0 0

Volume Module:
 Base Vol: 0 80 10 20 130 0 0 0 0 0 10 0 30
 Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

Initial Bse: 0 0 0 0 0 0 0 0 0 0 0 0 0
 Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0 0
 PasserByVol: 0 0 0 0 0 0 0 0 0 0 0 0 0

User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
 PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

PHF Volume: 0 80 10 20 130 0 0 0 0 0 10 0 30
 Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0 0
 Final Vol: 0 80 10 20 130 0 0 0 0 0 10 0 30

Critical Gap Module:
 Critical Gp: xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx 6.4 xxxxx
 FollowUpLim: xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx 3.5 xxxxx 3.3

Capacity Module:
 Conflict Vol: xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx 255 xxxxx 85
 Potent Cap.: xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx 738 xxxxx 980

Move Cap.: xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx 731 xxxxx 980
 Volume/Cap: xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx 0.01 xxxxx 0.03

Level Of Service Module:
 Queue: xxxxx xxxxx xxxxx 0.0 xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx
 Stopped Del: xxxxx xxxxx xxxxx 7.4 xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx

LOS by Move: * * * * *
 Movement: LT - LTR - RT LT - LTR - RT LT - LTR - RT
 Shared Cap.: xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx 903 xxxxx

Shared Queue: xxxxx xxxxx xxxxx 0.0 xxxxx xxxxx xxxxx xxxxx xxxxx 0.1 xxxxx
 Shrd StpDel: xxxxx xxxxx xxxxx 7.4 xxxxx xxxxx xxxxx xxxxx xxxxx 9.2 xxxxx

Shared LOS: * * * * *
 ApproachDel: xxxxxx * xxxxxx * 9.2
 ApproachLOS: * * * * *

Cornelius TSP
 2025 Financially Constrained Model
 PM Peak Hour

Level Of Service Computation Report
 2000 HCM 4-Way Stop Method (Future Volume Alternative)

 Intersection #4 4th Ave/Heather St

Cycle (sec): 100 Critical Vol./Cap. (X): 0.156
 Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 7.8
 Optimal Cycle: 0 Level Of Service: A

Street Name: 4th Ave Heather St
 Approach: North Bound South Bound East Bound West Bound
 Movement: L - T - R L - T - R L - T - R L - T - R

Control: Stop Sign Stop Sign Stop Sign Stop Sign
 Rights: Include Include Include Include
 Lanes: 0 0 1 0 0 0 0 1 0 0 0 0 1 0 0 0 0 1 0 0

Volume Module:
 Base Vol: 20 30 10 30 70 30 20 30 20 30 20 10 50 20
 Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

Initial Bse: 20 30 10 30 70 30 20 30 20 30 20 10 50 20
 Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 PasserByVol: 0 0 0 0 0 0 0 0 0 0 0 0 0 0

User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
 PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

PHF Volume: 20 30 10 30 70 30 20 30 20 30 20 10 50 20
 Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 Final Vol: 20 30 10 30 70 30 20 30 20 30 20 10 50 20

Capacity Analysis Module:
 Saturation Flow Module:
 Saturation Flow: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

Adjustment: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
 Lanes: 0.33 0.50 0.17 0.23 0.54 0.23 0.28 0.43 0.29 0.12 0.63 0.25

Final Sat.: 268 402 134 192 448 192 231 346 231 102 508 203
 Vol/Sat: 0.07 0.07 0.07 0.16 0.16 0.16 0.09 0.09 0.09 0.10 0.10 0.10 0.10

Capacity Analysis Module:
 Crit Moves: * * * * *
 Delay/Veh: 7.7 7.7 7.7 7.9 7.9 7.9 7.7 7.7 7.7 7.7 7.7 7.7 7.7

Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
 AdjDel/Veh: 7.7 7.7 7.7 7.9 7.9 7.9 7.7 7.7 7.7 7.7 7.7 7.7 7.7

LOS by Move: A A A A A A A A A A A A A A
 ApproachDel: 7.7 7.7 7.9 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7

ApproachLOS: * * * * *
 Delay Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
 ApprAdjDel: 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7

Cornelius TSP
2025 Financially Constrained Model
PM Peak Hour

Level Of Service Computation Report

2000 HCM Operations Method (Future Volume Alternative)

Intersection #7 10th Ave/Baseline St

Cycle (sec): 60 Critical Vol./Cap. (X): 0.686
Loss Time (sec): 8 (Y+R = 4 sec) Average Delay (sec/veh): 11.8
Optimal Cycle: 42 Level Of Service: B

Street Name: 10th Ave Baseline St

Approach: North Bound South Bound East Bound West Bound

Movement: L - T - R L - T - R L - T - R L - T - R

Control: Permitted Permitted Permitted Permitted

Rights: Include Include Include Include

Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

Lanes: 0 0 1 0 1 1 0 1 0 0 0 1 0 1 0 0 0 0 0 0

Volume Module:

Table with 16 columns: Base Vol, Growth Adj, Initial Bse, Added Vol, PasserByVol, Initial Fut, User Adj, PHF Adj, PHF Volume, Reduct Vol, Reduced Vol, PCE Adj, MLF Adj, Final Vol, Sat/Lane, Adjustment, Lanes, Final Sat. Values range from 0 to 1800.

Saturation Flow Module:

Table with 16 columns: Sat/Lane, Adjustment, Lanes, Final Sat. Values range from 1800 to 133.

Capacity Analysis Module:

Table with 16 columns: Vol/Sat, Crit Moves, Green/Cycle, Volume/Cap, Delay/Veh, User DelAdj, AdjDel/Veh, HCM2kAvg. Values range from 0.07 to 5.4.

Cornelius TSP
2025 Financially Constrained Model
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Level Of Service Computation Report

2000 HCM Operations Method (Future Volume Alternative)

Intersection #8 10th Ave/Adair St

Cycle (sec): 90 Critical Vol./Cap. (X): 0.840
Loss Time (sec): 8 (Y+R = 4 sec) Average Delay (sec/veh): 14.8
Optimal Cycle: 73 Level Of Service: B

Street Name: 10th Ave Adair St

Approach: North Bound South Bound East Bound West Bound

Movement: L - T - R L - T - R L - T - R L - T - R

Control: Permitted Permitted Permitted Permitted

Rights: Include Include Include Include

Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

Lanes: 1 0 1 0 0 0 0 1 0 1 0 0 0 0 0 0 0 1 0 1 0

Volume Module:

Table with 16 columns: Base Vol, Growth Adj, Initial Bse, Added Vol, PasserByVol, Initial Fut, User Adj, PHF Adj, PHF Volume, Reduct Vol, Reduced Vol, PCE Adj, MLF Adj, Final Vol, Sat/Lane, Adjustment, Lanes, Final Sat. Values range from 60 to 1800.

Saturation Flow Module:

Table with 16 columns: Sat/Lane, Adjustment, Lanes, Final Sat. Values range from 1800 to 1530.

Capacity Analysis Module:

Table with 16 columns: Vol/Sat, Crit Moves, Green/Cycle, Volume/Cap, Delay/Veh, User DelAdj, AdjDel/Veh, HCM2kAvg. Values range from 0.07 to 5.4.

Cornelius TSP
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PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Future Volume Alternative)

Intersection #11 14th Ave/Baseline St

Cycle (sec): 60 Critical Vol./Cap. (X): 0.681
Loss Time (sec): 8 (Y+R = 4 sec) Average Delay (sec/veh): 7.0
Optimal Cycle: 42 Level Of Service: A

Street Name: 14th Ave Baseline St
Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R
Control: Permitted Permitted Permitted Permitted
Rights: Include Include Include Include
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Lanes: 0 0 1 0 0 0 1 0 0 0 1 0 0 0 0 0

Volume Module:
Base Vol: 0 80 40 20 50 0 30 1710 30 0 0 0
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 0 80 40 20 50 0 30 1710 30 0 0 0
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0
PasserByVol: 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 0 80 40 20 50 0 30 1710 30 0 0 0
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 0 80 40 20 50 0 30 1710 30 0 0 0
Reduced Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 0 80 40 20 50 0 30 1710 30 0 0 0
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol.: 0 80 40 20 50 0 30 1710 30 0 0 0

Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 1.00 0.96 0.96 0.94 0.94 1.00 0.94 0.94 0.94 1.00 1.00 1.00
Lanes: 0.00 0.67 0.33 0.29 0.71 0.00 0.03 1.94 0.03 0.00 0.00 0.00
Final Sat.: 0 1146 573 482 1206 0 58 3284 58 0 0 0

Capacity Analysis Module:
Vol/Sat: 0.00 0.07 0.07 0.04 0.04 0.00 0.52 0.52 0.52 0.00 0.00 0.00
Crit Moves: *****
Green/Cycle: 0.00 0.10 0.10 0.10 0.10 0.00 0.76 0.76 0.76 0.00 0.00 0.00
Volume/Cap: 0.00 0.68 0.68 0.40 0.40 0.00 0.68 0.68 0.68 0.00 0.00 0.00
Delay/Veh: 0.0 36.4 36.4 26.8 26.8 0.0 4.2 4.2 4.2 0.0 0.0 0.0
User DelAdj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 0.0 36.4 36.4 26.8 26.8 0.0 4.2 4.2 4.2 0.0 0.0 0.0
HCM2kAVG: 0 4 2 2 0 9 9 9 9 0 0 0

Cornelius TSP
2025 Financially Constrained Model
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Future Volume Alternative)

Intersection #12 14th Ave/Adair St

Cycle (sec): 90 Critical Vol./Cap. (X): 0.831
Loss Time (sec): 8 (Y+R = 4 sec) Average Delay (sec/veh): 11.1
Optimal Cycle: 71 Level Of Service: B

Street Name: 14th Ave Adair St
Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R
Control: Permitted Permitted Permitted Permitted
Rights: Include Include Include Include
Min. Green: 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Lanes: 0 1 0 0 0 0 0 0 1 0 0 0 0 0 0 0

Volume Module:
Base Vol: 80 40 0 0 40 30 0 0 0
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 80 40 0 0 40 30 0 0 0
Added Vol: 0 0 0 0 0 0 0 0 0
PasserByVol: 0 0 0 0 0 0 0 0 0
Initial Fut: 80 40 0 0 40 30 0 0 0
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 80 40 0 0 40 30 0 0 0
Reduced Vol: 0 0 0 0 0 0 0 0 0
Reduced Vol: 80 40 0 0 40 30 0 0 0
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol.: 80 40 0 0 40 30 0 0 0

Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 0.83 0.83 1.00 1.00 0.94 0.94 1.00 1.00 1.00
Lanes: 0.67 0.33 0.00 0.00 0.57 0.43 0.00 0.00 0.00
Final Sat.: 995 497 0 0 969 727 0 0 0

Capacity Analysis Module:
Vol/Sat: 0.08 0.08 0.00 0.00 0.04 0.04 0.00 0.00 0.00
Crit Moves: *****
Green/Cycle: 0.10 0.10 0.00 0.00 0.10 0.10 0.00 0.00 0.00
Volume/Cap: 0.83 0.83 0.00 0.00 0.43 0.43 0.00 0.00 0.00
Delay/Veh: 71.5 71.5 0.0 0.0 40.1 40.1 0.0 0.0 0.0
User DelAdj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 71.5 71.5 0.0 0.0 40.1 40.1 0.0 0.0 0.0
HCM2kAVG: 6 6 0 0 2 2 0 0 0

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Level Of Service Computation Report
 2000 HCM Unsignalized Method (Future Volume Alternative)

 Intersection #15 20th Ave/Dogwood St

 Average Delay (sec/veh): 4.7 Worst Case Level Of Service: B{ 10.0}

 Street Name: 20th Ave Dogwood St
 Approach: North Bound South Bound East Bound West Bound
 Movement: L - T - R L - T - R L - T - R L - T - R
 Control: Uncontrolled Uncontrolled Stop Sign Stop Sign
 Rights: Include Include Include Include
 Lanes: 0 0 1 0 0 0 0 1 0 0 0 0 1 0 0 0
 Volume Module:
 Base Vol: 10 20 5 20 50 50 30 20 10 5 20 10
 Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
 Initial Bse: 10 20 5 20 50 50 30 20 10 5 20 10
 Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0
 PasserByVol: 0 0 0 0 0 0 0 0 0 0 0 0
 Initial Fut: 10 20 5 20 50 50 30 20 10 5 20 10
 User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
 PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
 PHF Volume: 10 20 5 20 50 50 30 20 10 5 20 10
 Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
 Final Vol: 10 20 5 20 50 50 30 20 10 5 20 10
 Critical Gap Module:
 Critical Cp: 4.1 xxxxx xxxxxx 7.1 6.5 6.2 7.1 6.5 6.2
 FollowUpTim: 2.2 xxxxx xxxxxx 3.5 4.0 3.3 3.5 4.0 3.3
 Capacity Module:
 Conflict Vol: 100 xxxxx xxxxxx 25 xxxxx xxxxxx 173 160 75 173 183 23
 Potent Cap.: 1505 xxxxx xxxxxx 1603 xxxxx xxxxxx 795 736 992 795 715 1060
 Move Cap.: 1505 xxxxx xxxxxx 1603 xxxxx xxxxxx 759 722 992 759 701 1060
 Volume/Cap: 0.01 xxxxx xxxxx 0.01 xxxxx xxxxx 0.04 0.03 0.01 0.01 0.03 0.01
 Level Of Service Module:
 Queue: 0.0 xxxxx xxxxxx 0.0 xxxxx xxxxxx xxxxxx xxxxx xxxxx xxxxx xxxxx xxxxx
 Stopped Del: 7.4 xxxxx xxxxx 7.3 xxxxx xxxxxx xxxxxx xxxxx xxxxx xxxxx xxxxx xxxxx
 LOS by Move: A * * * * * A * * * * * A * * * * *
 Movement: LT - LTR - RT
 Shared Cap.: xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx 776 xxxxx xxxxx 786 xxxxx
 Shared Queue: xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx 0.3 xxxxx xxxxx 0.1 xxxxx
 Shrd StpDel: xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx 10.0 xxxxx xxxxx 9.8 xxxxx
 Shared LOS: *
 ApproachDel: xxxxxx
 ApproachLOS: B 10.0 A 9.8

 Intersection #16 26th Ave/Baseline St

 Cycle (sec): 60 Critical Vol./Cap. (X): 0.655
 Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 8.9
 Optimal Cycle: 48 Level Of Service: A

 Street Name: 26th Ave Baseline St
 Approach: North Bound South Bound East Bound West Bound
 Movement: L - T - R L - T - R L - T - R L - T - R
 Control: Permitted Permitted Protected Protected
 Rights: Include Ovl Include
 Min. Green: 0 1 0 0 1 0 1 0 0 1 1 0 1 0 1 0 2 0 1 0
 Lanes: 0 1 0 0 1 0 1 0 0 1 1 0 1 0 1 0 2 0 1 0
 Volume Module:
 Base Vol: 30 10 50 40 10 50 30 1190 60 120 1620 30
 Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
 Initial Bse: 30 10 50 40 10 50 30 1190 60 120 1620 30
 Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0
 PasserByVol: 0 0 0 0 0 0 0 0 0 0 0 0
 Initial Fut: 30 10 50 40 10 50 30 1190 60 120 1620 30
 User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
 PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
 PHF Volume: 30 10 50 40 10 50 30 1190 60 120 1620 30
 Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
 Reduced Vol: 30 10 50 40 10 50 30 1190 60 120 1620 30
 PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
 MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
 Final Vol: 30 10 50 40 10 50 30 1190 60 120 1620 30
 Saturation Flow Module:
 Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
 Adjustment: 1.00 1.00 0.85 1.00 1.00 0.85 1.00 0.94 0.94 0.95 0.95 0.85
 Lanes: 0.75 0.25 1.00 0.80 0.20 1.00 1.00 1.90 0.10 1.00 2.00 1.00
 Final Sat: 1350 450 1530 1440 360 1530 1710 3233 163 1710 3420 1530
 Capacity Analysis Module:
 Vol/Sat: 0.02 0.02 0.03 0.03 0.03 0.03 0.02 0.37 0.37 0.07 0.47 0.02
 Crit Moves: ****
 Green/Cycle: 0.05 0.05 0.05 0.05 0.05 0.05 0.63 0.63 0.63 0.12 0.72 0.72
 Volume/Cap: 0.45 0.45 0.65 0.56 0.56 0.43 0.65 0.58 0.58 0.58 0.65 0.03
 Delay/Veh: 31.2 31.2 46.7 35.4 35.4 28.9 58.3 6.9 6.9 29.3 5.0 2.4
 User DelAdj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
 AdjDel/Veh: 31.2 31.2 46.7 35.4 35.4 28.9 58.3 6.9 6.9 29.3 5.0 2.4
 HCM2kAVG: 1 1 2 2 2 2 1 2 7 3 9 0

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Level Of Service Computation Report
 2000 HCM Operations Method (Future Volume Alternative)

 Intersection #16 26th Ave/Baseline St

 Cycle (sec): 60 Critical Vol./Cap. (X): 0.655
 Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 8.9
 Optimal Cycle: 48 Level Of Service: A

 Street Name: 26th Ave Baseline St
 Approach: North Bound South Bound East Bound West Bound
 Movement: L - T - R L - T - R L - T - R L - T - R
 Control: Permitted Permitted Protected Protected
 Rights: Include Ovl Include
 Min. Green: 0 1 0 0 1 0 1 0 0 1 1 0 1 0 1 0 2 0 1 0
 Lanes: 0 1 0 0 1 0 1 0 0 1 1 0 1 0 1 0 2 0 1 0
 Volume Module:
 Base Vol: 30 10 50 40 10 50 30 1190 60 120 1620 30
 Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
 Initial Bse: 30 10 50 40 10 50 30 1190 60 120 1620 30
 Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0
 PasserByVol: 0 0 0 0 0 0 0 0 0 0 0 0
 Initial Fut: 30 10 50 40 10 50 30 1190 60 120 1620 30
 User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
 PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
 PHF Volume: 30 10 50 40 10 50 30 1190 60 120 1620 30
 Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
 Reduced Vol: 30 10 50 40 10 50 30 1190 60 120 1620 30
 PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
 MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
 Final Vol: 30 10 50 40 10 50 30 1190 60 120 1620 30
 Saturation Flow Module:
 Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
 Adjustment: 1.00 1.00 0.85 1.00 1.00 0.85 1.00 0.94 0.94 0.95 0.95 0.85
 Lanes: 0.75 0.25 1.00 0.80 0.20 1.00 1.00 1.90 0.10 1.00 2.00 1.00
 Final Sat: 1350 450 1530 1440 360 1530 1710 3233 163 1710 3420 1530
 Capacity Analysis Module:
 Vol/Sat: 0.02 0.02 0.03 0.03 0.03 0.03 0.02 0.37 0.37 0.07 0.47 0.02
 Crit Moves: ****
 Green/Cycle: 0.05 0.05 0.05 0.05 0.05 0.05 0.63 0.63 0.63 0.12 0.72 0.72
 Volume/Cap: 0.45 0.45 0.65 0.56 0.56 0.43 0.65 0.58 0.58 0.58 0.65 0.03
 Delay/Veh: 31.2 31.2 46.7 35.4 35.4 28.9 58.3 6.9 6.9 29.3 5.0 2.4
 User DelAdj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
 AdjDel/Veh: 31.2 31.2 46.7 35.4 35.4 28.9 58.3 6.9 6.9 29.3 5.0 2.4
 HCM2kAVG: 1 1 2 2 2 2 1 2 7 3 9 0

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Scenario Report

MIT 2025 PM
 Existing PM
 Existing PM
 Existing PM
 Default Impact Fee
 Default Trip Generation
 Default Trip Distribution
 Default Paths
 Default Routes
 Default Configuration

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Impact Analysis Report
 Level Of Service

Intersection	LOS Veh	Del/ V/ C	Base Del/ V/ C	LOS Veh	Del/ V/ C	Future Del/ V/ C	Change in
# 1 4th Ave/Adair St	A	8.2 0.724	A	8.2 0.724	A	8.2 0.724	+ 0.000 D/V
# 2 4th Ave/Baseline St	A	8.2 0.694	A	8.2 0.694	A	8.2 0.694	+ 0.000 D/V
# 3 4th Ave/Dogwood St	A	9.4 0.000	A	9.4 0.000	A	9.4 0.000	+ 0.000 D/V
# 4 4th Ave/Heather St	A	7.8 0.167	A	7.8 0.167	A	7.8 0.167	+ 0.000 V/C
# 5 10th Ave/Dogwood St	B	14.3 0.000	B	14.3 0.000	B	14.3 0.000	+ 0.000 D/V
# 6 10th Ave/Lindent St/Flax Plant	B	12.1 0.000	B	12.1 0.000	B	12.1 0.000	+ 0.000 D/V
# 7 10th Ave/Baseline St	B	13.7 0.751	B	13.7 0.751	B	13.7 0.751	+ 0.000 D/V
# 8 10th Ave/Adair St	C	27.4 0.964	C	27.4 0.964	C	27.4 0.964	+ 0.000 D/V
# 9 10th Ave/Davis St	B	14.0 0.000	B	14.0 0.000	B	14.0 0.000	+ 0.000 D/V
# 10 10th Ave/Holladay St	C	15.0 0.000	C	15.0 0.000	C	15.0 0.000	+ 0.000 D/V
# 11 14th Ave/Baseline St	A	8.5 0.792	A	8.5 0.792	A	8.5 0.792	+ 0.000 D/V
# 12 14th Ave/Adair St	B	15.9 0.903	B	15.9 0.903	B	15.9 0.903	+ 0.000 D/V
# 13 20th Ave/Baseline St	D	41.0 0.995	D	41.0 0.995	D	41.0 0.995	+ 0.000 D/V
# 14 19th Ave/Davis St	D	34.9 0.000	D	34.9 0.000	D	34.9 0.000	+ 0.000 D/V
# 15 20th Ave/Dogwood St	B	10.1 0.000	B	10.1 0.000	B	10.1 0.000	+ 0.000 D/V
# 16 26th Ave/Baseline St	B	14.9 0.636	B	14.9 0.636	B	14.9 0.636	+ 0.000 D/V
# 17 29th Ave/TV Hwy	C	33.2 0.914	C	33.2 0.914	C	33.2 0.914	+ 0.000 D/V
# 18 331st Ave/TV Hwy	C	22.4 0.000	C	22.4 0.000	C	22.4 0.000	+ 0.000 D/V

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Level Of Service Computation Report
2000 HCM Unsignalized Method (Future Volume Alternative)

Intersection #5 10th Ave/Dogwood St

Average Delay (sec/veh): 2.7 Worst Case Level of Service: B [14.3]

Street Name: 10th Ave Dogwood St
Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Control: Uncontrolled Uncontrolled Stop Sign Stop Sign
Rights: Include Include Include Include
Lanes: 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0

Volume Module:
Base Vol: 20 230 10 10 260 20 10 30 10 20 30 10
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

Initial Bse: 20 230 10 10 260 20 10 30 10 20 30 10
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0

PasserByVol: 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 20 230 10 10 260 20 10 30 10 20 30 10

User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

PHF Volume: 20 230 10 10 260 20 10 30 10 20 30 10
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0

Final Vol: 20 230 10 10 260 20 10 30 10 20 30 10
Critical Gap Module:
Critical Gap: 4.1 xxxxx xxxxx 4.1 xxxxx xxxxx 7.1 6.5 6.2 7.1 6.5 6.2

FollowUpTim: 2.2 xxxxx xxxxx 2.2 xxxxx xxxxx 3.5 4.0 3.3 3.5 4.0 3.3
Capacity Module:
Conflict Vol: 280 xxxxx xxxxx 240 xxxxx xxxxx 585 570 270 585 575 235

Potent Cap.: 1294 xxxxx xxxxx 1339 xxxxx xxxxx 425 434 774 425 431 809
Move Cap.: 1294 xxxxx xxxxx 1339 xxxxx xxxxx 390 424 774 390 421 809

Volume/Cap: 0.02 xxxxx xxxxx 0.01 xxxxx xxxxx 0.03 0.07 0.01 0.05 0.07 0.01
Level Of Service Module:
Queue: 0.0 xxxxx xxxxx 0.0 xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx

Stopped Del: 7.8 xxxxx xxxxx 7.7 xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx
LOS by Move: A * * * * * A * * * * * A * * * * *

Movement: LT - LTR - RT
Shared Cap.: xxx xxxxx xxxxx xxxxx xxxxx xxxxx 458 xxxxx xxxxx 445 xxxxx

Shared Queue: xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx 0.4 xxxxx xxxxx 0.5 xxxxx
Shrd StpDel: xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx 13.8 xxxxx 14.3 xxxxx

Shared LOS: * * * * * B * * * * * B * * * * *
ApproachDel: xxxxxx xxxxxx 13.8 14.3
ApproachLOS: * * * * * B * * * * * B

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Level Of Service Computation Report
2000 HCM Unsignalized Method (Future Volume Alternative)

Intersection #6 10th Ave/Lindent St/Flax Plant Rd

Average Delay (sec/veh): 2.2 Worst Case Level of Service: B [12.1]

Street Name: 10th Ave Lindent St/Flax Plant Rd
Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Control: Uncontrolled Uncontrolled Stop Sign Stop Sign
Rights: Include Include Include Include
Lanes: 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0

Volume Module:
Base Vol: 20 180 30 10 180 40 20 10 10 20 10 10
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

Initial Bse: 20 180 30 10 180 40 20 10 10 20 10 10
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0

PasserByVol: 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 20 180 30 10 180 40 20 10 10 20 10 10

User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

PHF Volume: 20 180 30 10 180 40 20 10 10 20 10 10
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0

Final Vol: 20 180 30 10 180 40 20 10 10 20 10 10
Critical Gap Module:
Critical Gap: 4.1 xxxxx xxxxx 4.1 xxxxx xxxxx 7.1 6.5 6.2 7.1 6.5 6.2

FollowUpTim: 2.2 xxxxx xxxxx 2.2 xxxxx xxxxx 3.5 4.0 3.3 3.5 4.0 3.3
Capacity Module:
Conflict Vol: 220 xxxxx xxxxx 210 xxxxx xxxxx 465 470 200 465 475 195

Potent Cap.: 1361 xxxxx xxxxx 1373 xxxxx xxxxx 511 495 846 511 491 851
Move Cap.: 1361 xxxxx xxxxx 1373 xxxxx xxxxx 489 484 846 489 480 851

Volume/Cap: 0.01 xxxxx xxxxx 0.01 xxxxx xxxxx 0.04 0.02 0.01 0.04 0.02 0.01
Level Of Service Module:
Queue: 0.0 xxxxx xxxxx 0.0 xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx

Stopped Del: 7.7 xxxxx xxxxx 7.6 xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx
LOS by Move: A * * * * * A * * * * * A * * * * *

Movement: LT - LTR - RT
Shared Cap.: xxx xxxxx xxxxx xxxxx xxxxx xxxxx 545 xxxxx xxxxx 544 xxxxx

Shared Queue: xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx 0.2 xxxxx xxxxx 0.2 xxxxx
Shrd StpDel: xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx 12.1 xxxxx 12.1 xxxxx

Shared LOS: * * * * * B * * * * * B * * * * *
ApproachDel: xxxxxx xxxxxx 12.1 12.1
ApproachLOS: * * * * * B * * * * * B

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Level Of Service Computation Report
2000 HCM Operations Method (Future Volume Alternative)

Intersection #7 10th Ave/Baseline St

Cycle (sec): 60 Critical Vol./Cap. (X): 0.751
Loss Time (sec): 8 (Y+R = 4 sec) Average Delay (sec/veh): 13.7
Optimal Cycle: 49 Level Of Service: B

Street Name: 10th Ave Baseline St
Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R
Control: Permitted Permitted Permitted Permitted
Rights: Include Include Include Include
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Lanes: 0 0 1 0 1 1 0 1 0 0 1 0 0 0 0 0

Volume Module:
Base Vol: 0 130 150 160 250 0 80 1580 70 0 0 0
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 0 130 150 160 250 0 80 1580 70 0 0 0
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0
PasserByVol: 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 0 130 150 160 250 0 80 1580 70 0 0 0
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 0 130 150 160 250 0 80 1580 70 0 0 0
Reduced Vol: 0 0 0 0 0 0 0 0 0 0 0 0
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol.: 0 130 150 160 250 0 80 1580 70 0 0 0

Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 1.00 1.00 0.85 0.67 1.00 1.00 0.94 0.94 0.94 1.00 1.00
Lanes: 0.00 1.00 1.00 1.00 1.00 1.00 0.09 1.83 0.08 0.00 0.00
Final Sat.: 0 1800 1530 1204 1800 0 156 3086 137 0 0 0
Capacity Analysis Module:
Vol/Sat: 0.00 0.07 0.10 0.13 0.14 0.00 0.51 0.51 0.51 0.00 0.00
Crit Moves: ****
Green/Cycle: 0.00 0.18 0.18 0.18 0.18 0.00 0.68 0.68 0.68 0.00 0.00
Volume/Cap: 0.00 0.39 0.53 0.72 0.75 0.00 0.75 0.75 0.75 0.00 0.00
Delay/Veh: 0.0 22.2 24.0 33.7 32.4 0.0 7.6 7.6 7.6 0.0 0.0
User DelAdj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 0.0 22.2 24.0 33.7 32.4 0.0 7.6 7.6 7.6 0.0 0.0
HCM2kAVG: 0 3 3 6 6 0 12 12 12 0 0

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Level Of Service Computation Report
2000 HCM Operations Method (Future Volume Alternative)

Intersection #8 10th Ave/Adair St

Cycle (sec): 90 Critical Vol./Cap. (X): 0.964
Loss Time (sec): 8 (Y+R = 4 sec) Average Delay (sec/veh): 27.4
Optimal Cycle: 142 Level Of Service: C

Street Name: 10th Ave Adair St
Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R
Control: Permitted Permitted Permitted Permitted
Rights: Include Include Include Include
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Lanes: 1 0 1 0 0 0 0 1 0 1 0 0 0 0 1 0 1 0

Volume Module:
Base Vol: 80 100 0 0 230 80 0 0 0 180 1840 360
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 80 100 0 0 230 80 0 0 0 180 1840 360
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0
PasserByVol: 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 80 100 0 0 230 80 0 0 0 180 1840 360
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 80 100 0 0 230 80 0 0 0 180 1840 360
Reduced Vol: 0 0 0 0 0 0 0 0 0 0 0 0
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Final Vol.: 80 100 0 0 230 80 0 0 0 180 1840 360

Saturation Flow Module:
Sat/Lane: 1800 1800 1800 1800 1800 1800 1800 1800 1800 1800
Adjustment: 0.30 1.00 1.00 1.00 0.85 1.00 1.00 1.00 0.91 0.91 0.91
Lanes: 1.00 1.00 0.00 0.00 1.00 1.00 0.00 0.00 0.00 0.15 1.55
Final Sat.: 535 1800 0 0 1800 1530 0 0 0 247 2524 494
Capacity Analysis Module:
Vol/Sat: 0.15 0.06 0.00 0.00 0.13 0.05 0.00 0.00 0.00 0.73 0.73
Crit Moves: ****
Green/Cycle: 0.16 0.16 0.00 0.00 0.16 0.16 0.00 0.00 0.00 0.76 0.76
Volume/Cap: 0.96 0.36 0.00 0.00 0.82 0.34 0.00 0.00 0.00 0.96 0.96
Delay/Veh: 124.3 34.8 0.0 0.0 54.5 34.7 0.0 0.0 0.0 20.9 20.9
User DelAdj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
AdjDel/Veh: 124.3 34.8 0.0 0.0 54.5 34.7 0.0 0.0 0.0 20.9 20.9
HCM2kAVG: 12 3 0 0 9 2 0 0 0 37 37

Traffix 7.7.1115 (c) 2004 Dowling Assoc. Licensed to DKS ASSOC., PORTLAND, OR

Cornelius TSP
2025 Financially Constrained Model MIT
PM Peak Hour

Level of Service Computation Report
2000 HCM Unsignalized Method (Future Volume Alternative)

Intersection #9 10th Ave/Davis St

Average Delay (sec/veh): 4.9 Worst Case Level of Service: B [14.0]
Street Name: 10th Ave Davis St
Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R
Control: Uncontrolled Uncontrolled Uncontrolled Stop Sign
Rights: Include Include Include Include
Lanes: 1 0 0 1 0 1 0 0 1 0 0 0 1 0 0 0 0 1 1 0 0

Volume Module:
Base Vol: 40 110 10 30 180 10 10 20 30 40 50 10
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 40 110 10 30 180 10 10 20 30 40 50 10
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0
PasserByVol: 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 40 110 10 30 180 10 10 20 30 40 50 10
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 40 110 10 30 180 10 10 20 30 40 50 10
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Final Vol: 40 110 10 30 180 10 10 20 30 40 50 10

Critical Gap Module:
Critical Gp: 4.1 xxxxx xxxxxx 4.1 xxxxx xxxxxx 7.1 6.5 6.2 7.1 6.5 6.2
FollowUpTim: 2.2 xxxxx xxxxxx 2.2 xxxxx xxxxxx 3.5 4.0 3.3 3.5 4.0 3.3

Capacity Module:
Conflict Vol: 190 xxxxx xxxxxx 120 xxxxx xxxxxx 470 445 185 465 445 115
Potent Cap.: 1396 xxxxx xxxxxx 1480 xxxxx xxxxxx 507 511 862 511 511 943
Move Cap.: 1396 xxxxx xxxxxx 1480 xxxxx xxxxxx 445 486 862 460 486 943
Volume/Cap: 0.03 xxxxx xxxxxx 0.02 xxxxx xxxxxx 0.02 0.04 0.03 0.09 0.10 0.01

Level of Service Module:
Queue: 0.1 xxxxx xxxxxx 0.1 xxxxx xxxxxx xxxxx xxxxx xxxxx xxxxx
Stopped Del: 7.7 xxxxx xxxxxx 7.5 xxxxx xxxxxx xxxxx xxxxx xxxxx xxxxx
LOS by Move: A * * * * *
Movement: LT - LTR - RT LT - LTR - RT LT - LTR - RT
Shared Cap.: xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx 610 xxxxx xxxxx 499 xxxxx
Shared Queue: xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx 0.3 xxxxx xxxxx 0.7 xxxxx
Shrd StpDel: xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx 11.5 xxxxx xxxxx 14.0 xxxxx
Shared LOS: * * * * * B B * * * * *
ApproachDel: xxxxxxx xxxxxxx 11.5 14.0
ApproachLOS: * * * * * B

Cornelius TSP
2025 Financially Constrained Model MIT
PM Peak Hour

Level of Service Computation Report
2000 HCM Unsignalized Method (Future Volume Alternative)

Intersection #10 10th Ave/Holladay St

Average Delay (sec/veh): 6.8 Worst Case Level of Service: C [15.0]
Street Name: 10th Ave Holladay St
Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R
Control: Uncontrolled Uncontrolled Uncontrolled Stop Sign
Rights: Include Include Include Include
Lanes: 1 0 0 1 0 1 0 0 1 0 0 0 1 0 0 0 0 1 1 0 0

Volume Module:
Base Vol: 20 90 20 10 120 80 10 30 40 30 170 10
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 20 90 20 10 120 80 10 30 40 30 170 10
Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0
PasserByVol: 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 20 90 20 10 120 80 10 30 40 30 170 10
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 20 90 20 10 120 80 10 30 40 30 170 10
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Final Vol: 20 90 20 10 120 80 10 30 40 30 170 10

Critical Gap Module:
Critical Gp: 4.1 xxxxx xxxxxx 4.1 xxxxx xxxxxx 7.1 6.5 6.2 7.1 6.5 6.2
FollowUpTim: 2.2 xxxxx xxxxxx 2.2 xxxxx xxxxxx 3.5 4.0 3.3 3.5 4.0 3.3

Capacity Module:
Conflict Vol: 200 xxxxx xxxxxx 110 xxxxx xxxxxx 410 330 160 355 360 100
Potent Cap.: 1384 xxxxx xxxxxx 1493 xxxxx xxxxxx 556 592 890 604 570 961
Move Cap.: 1384 xxxxx xxxxxx 1493 xxxxx xxxxxx 414 580 890 545 558 961
Volume/Cap: 0.01 xxxxx xxxxxx 0.01 xxxxx xxxxxx 0.02 0.05 0.04 0.06 0.30 0.01

Level of Service Module:
Queue: 0.0 xxxxx xxxxxx 0.0 xxxxx xxxxxx xxxxx xxxxx xxxxx xxxxx
Stopped Del: 7.6 xxxxx xxxxxx 7.4 xxxxx xxxxxx xxxxx xxxxx xxxxx xxxxx
LOS by Move: A * * * * *
Movement: LT - LTR - RT LT - LTR - RT LT - LTR - RT
Shared Cap.: xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx 662 xxxxx xxxxx 567 xxxxx
Shared Queue: xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx 0.4 xxxxx xxxxx 1.7 xxxxx
Shrd StpDel: xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx 11.2 xxxxx xxxxx 15.0 xxxxx
Shared LOS: * * * * * B B * * * * *
ApproachDel: xxxxxxx xxxxxxx 11.2 15.0
ApproachLOS: * * * * * B C

Cornelius TSP
2025 Financially Constrained Model MIT
PM Peak Hour

Level Of Service Computation Report
2000 HCM Unsignalized Method (Future Volume Alternative)

Intersection #15 20th Ave/Dogwood St

Average Delay (sec/veh): 4.6 Worst Case Level of Service: B [10.1]

Street Name: 20th Ave Dogwood St
Approach: North Bound South Bound East Bound West Bound

Movement: L - T - R L - T - R L - T - R L - T - R
Control: Uncontrolled Uncontrolled Stop Sign Stop Sign
Rights: Include Include Include Include

Lanes: 0 0 1 0 0 0 0 1 0 0 0 0 1 0 0 0 0 1 0 0

Volume Module:
Base Vol: 10 20 5 20 50 50 30 20 5 5 20 10

Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

Initial Bse: 10 20 5 20 50 50 30 20 5 5 20 10

Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0

PasserByVol: 0 0 0 0 0 0 0 0 0 0 0 0

Initial Fut: 10 20 5 20 50 50 30 20 5 5 20 10

User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

PHF Volume: 10 20 5 20 50 50 30 20 5 5 20 10

Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0

Final Vol: 10 20 5 20 50 50 30 20 5 5 20 10

Critical Gap Module:
Critical Gp: 4.1 xxxxx xxxxx 4.1 xxxxx xxxxx 7.1 6.5 6.2 7.1 6.5 6.2

FollowUpTIm: 2.2 xxxxx xxxxx 2.2 xxxxx xxxxx 3.5 4.0 3.3 3.5 4.0 3.3

Capacity Module:
Conflict Vol: 100 xxxxx xxxxx 25 xxxxx xxxxx 173 160 75 170 183 23

Potent Cap.: 1505 xxxxx xxxxx 1603 xxxxx xxxxx 795 736 992 798 715 1060

Move Cap.: 1505 xxxxx xxxxx 1603 xxxxx xxxxx 759 722 992 766 701 1060

Volume/Cap: 0.01 xxxxx xxxxx 0.01 xxxxx xxxxx 0.04 0.03 0.01 0.01 0.03 0.01

Level of Service Module:
Queue: 0.0 xxxxx xxxxx 0.0 xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx

Stopped Del: 7.4 xxxxx xxxxx 7.3 xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx

LOS by Move: A * * * * * A * * * * * A * * * * * A * * * * *

Movement: LT - LTR - RT LT - LTR - RT LT - LTR - RT LT - LTR - RT

Cornelius TSP
2025 Financially Constrained Model MIT
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Future Volume Alternative)

Intersection #16 26th Ave/Baseline St

Cycle (sec): 130 Critical Vol./Cap. (X): 0.636

Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/Veh): 14.9

Optimal Cycle: 54 Level of Service: B

Street Name: 26th Ave Baseline St
Approach: North Bound South Bound East Bound West Bound

Movement: L - T - R L - T - R L - T - R L - T - R
Control: Permitted Permitted Protected Protected

Rights: Ovl Ovl
Min. Green: 0 0 0 0 0 0 0 0

Lanes: 0 1 0 0 1 0 1 0 0 1 1 0 1 0 1 0 2 0 1

Volume Module:
Base Vol: 80 10 50 40 10 50 30 1390 60 120 1670 30

Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

Initial Bse: 80 10 50 40 10 50 30 1390 60 120 1670 30

Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0

PasserByVol: 0 0 0 0 0 0 0 0 0 0 0 0

Initial Fut: 80 10 50 40 10 50 30 1390 60 120 1670 30

User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

PHF Volume: 80 10 50 40 10 50 30 1390 60 120 1670 30

Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0

Final Vol: 80 10 50 40 10 50 30 1390 60 120 1670 30

Capacity Analysis Module:
Vol/Sat: 0.07 0.07 0.03 0.04 0.04 0.03 0.02 0.43 0.43 0.07 0.49 0.02

Crit Moves: ****

Green/Cycle: 0.11 0.11 0.22 0.11 0.11 0.14 0.03 0.68 0.68 0.11 0.77 0.77

Volume/Cap: 0.64 0.64 0.15 0.39 0.39 0.23 0.64 0.62 0.62 0.62 0.64 0.03

Delay/Veh: 64.4 64.4 40.6 55.5 55.5 50.3 87.8 11.9 11.9 61.3 7.3 3.6

User DelAdj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

AdjDel/Veh: 64.4 64.4 40.6 55.5 55.5 50.3 87.8 11.9 11.9 61.3 7.3 3.6

Cornelius TSP
2025 Financially Constrained Model MIT
PM Peak Hour

Level Of Service Computation Report
2000 HCM Unsignalized Method (Future Volume Alternative)

Intersection #15 20th Ave/Dogwood St

Average Delay (sec/veh): 4.6 Worst Case Level of Service: B [10.1]

Street Name: 20th Ave Dogwood St
Approach: North Bound South Bound East Bound West Bound

Movement: L - T - R L - T - R L - T - R L - T - R
Control: Uncontrolled Uncontrolled Stop Sign Stop Sign
Rights: Include Include Include Include

Lanes: 0 0 1 0 0 0 0 1 0 0 0 0 1 0 0 0 0 1 0 0

Volume Module:
Base Vol: 10 20 5 20 50 50 30 20 5 5 20 10

Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

Initial Bse: 10 20 5 20 50 50 30 20 5 5 20 10

Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0

PasserByVol: 0 0 0 0 0 0 0 0 0 0 0 0

Initial Fut: 10 20 5 20 50 50 30 20 5 5 20 10

User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

PHF Volume: 10 20 5 20 50 50 30 20 5 5 20 10

Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0

Final Vol: 10 20 5 20 50 50 30 20 5 5 20 10

Critical Gap Module:
Critical Gp: 4.1 xxxxx xxxxx 4.1 xxxxx xxxxx 7.1 6.5 6.2 7.1 6.5 6.2

FollowUpTIm: 2.2 xxxxx xxxxx 2.2 xxxxx xxxxx 3.5 4.0 3.3 3.5 4.0 3.3

Capacity Module:
Conflict Vol: 100 xxxxx xxxxx 25 xxxxx xxxxx 173 160 75 170 183 23

Potent Cap.: 1505 xxxxx xxxxx 1603 xxxxx xxxxx 795 736 992 798 715 1060

Move Cap.: 1505 xxxxx xxxxx 1603 xxxxx xxxxx 759 722 992 766 701 1060

Volume/Cap: 0.01 xxxxx xxxxx 0.01 xxxxx xxxxx 0.04 0.03 0.01 0.01 0.03 0.01

Level of Service Module:
Queue: 0.0 xxxxx xxxxx 0.0 xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx

Stopped Del: 7.4 xxxxx xxxxx 7.3 xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx

LOS by Move: A * * * * * A * * * * * A * * * * * A * * * * *

Movement: LT - LTR - RT LT - LTR - RT LT - LTR - RT LT - LTR - RT

Cornelius TSP
2025 Financially Constrained Model MIT
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Future Volume Alternative)

Intersection #16 26th Ave/Baseline St

Cycle (sec): 130 Critical Vol./Cap. (X): 0.636

Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/Veh): 14.9

Optimal Cycle: 54 Level of Service: B

Street Name: 26th Ave Baseline St
Approach: North Bound South Bound East Bound West Bound

Movement: L - T - R L - T - R L - T - R L - T - R
Control: Permitted Permitted Protected Protected

Rights: Ovl Ovl
Min. Green: 0 0 0 0 0 0 0 0

Lanes: 0 1 0 0 1 0 1 0 0 1 1 0 1 0 1 0 2 0 1

Volume Module:
Base Vol: 80 10 50 40 10 50 30 1390 60 120 1670 30

Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

Initial Bse: 80 10 50 40 10 50 30 1390 60 120 1670 30

Added Vol: 0 0 0 0 0 0 0 0 0 0 0 0

PasserByVol: 0 0 0 0 0 0 0 0 0 0 0 0

Initial Fut: 80 10 50 40 10 50 30 1390 60 120 1670 30

User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

PHF Volume: 80 10 50 40 10 50 30 1390 60 120 1670 30

Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0

Final Vol: 80 10 50 40 10 50 30 1390 60 120 1670 30

Capacity Analysis Module:
Vol/Sat: 0.07 0.07 0.03 0.04 0.04 0.03 0.02 0.43 0.43 0.07 0.49 0.02

Crit Moves: ****

Green/Cycle: 0.11 0.11 0.22 0.11 0.11 0.14 0.03 0.68 0.68 0.11 0.77 0.77

Volume/Cap: 0.64 0.64 0.15 0.39 0.39 0.23 0.64 0.62 0.62 0.62 0.64 0.03

Delay/Veh: 64.4 64.4 40.6 55.5 55.5 50.3 87.8 11.9 11.9 61.3 7.3 3.6

User DelAdj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

AdjDel/Veh: 64.4 64.4 40.6 55.5 55.5 50.3 87.8 11.9 11.9 61.3 7.3 3.6

Cornelius TSP
2025 Financially Constrained Model MIT
PM Peak Hour

Level Of Service Computation Report
2000 HCM Operations Method (Future Volume Alternative)

Intersection #17 29th Ave/TV Hwy

Cycle (sec): 130 Critical Vol./Cap. (X): 0.914
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 33.2
Optimal Cycle: 134 Level Of Service: C

Street Name: 29th Ave TV Hwy

Approach: North Bound South Bound East Bound West Bound

Movement: L - T - R L - T - R L - T - R L - T - R

Control: Permitted Permitted Protected Protected Protected Protected

Rights: Include Include Include Include Include Include

Lanes: 1 0 1 0 1 1 0 0 1 0 1 0 1 0 1 0 2 0 1

Volume Module:

Table with 16 columns: Base Vol, Growth Adj, Initial Bse, Added Vol, PasserByVol, Initial Fut, User Adj, PHF Adj, PHF Volume, Reduct Vol, Reduced Vol, PCE Adj, MFL Adj, Final Vol, Sat, Adj. Values range from 0 to 1800.

Saturation Flow Module:

Table with 2 columns: Vol/Sat, Crit Moves. Values: 0.04 0.01 0.15 0.07 0.03 0.03 0.02 0.45 0.45 0.23 0.52 0.13

Table with 2 columns: Green/Cycle, Volume/Cap, Delay/Veh, User DelAdj, AdjDel/Veh, HCM2kAVG. Values range from 0.16 to 47.1.

Cornelius TSP
2025 Financially Constrained Model MIT
PM Peak Hour

Level Of Service Computation Report
2000 HCM Unsignalized Method (Future Volume Alternative)

Intersection #18 331st Ave/TV Hwy

Average Delay (sec/veh): 0.2 Worst Case Level of Service: C [22.4]

Street Name: 331st Ave TV Hwy

Approach: North Bound South Bound East Bound West Bound

Movement: L - T - R L - T - R L - T - R L - T - R

Control: Stop Sign Stop Sign Uncontrolled Uncontrolled

Rights: Include Include Include Include

Lanes: 0 0 1 0 0 0 0 0 0 0 1 0 1 0 1 0 2 0 0

Volume Module:

Table with 16 columns: Base Vol, Growth Adj, Initial Bse, Added Vol, PasserByVol, Initial Fut, User Adj, PHF Adj, PHF Volume, Reduct Vol, Final Vol, Critical Gap Module, Critical Gap, FollowUpTim, Capacity Module, Conflict Vol, Potent Cap, Move Cap, Total Cap, Volume/Cap. Values range from 0 to 715.

Level Of Service Module:

Table with 2 columns: Queue, Stopped Del, LOS by Move, Movement, Shared Cap, Shared Queue, Shrd StpDel, Shared LOS, ApproachDel, ApproachLOS. Values range from 0.1 to 22.4.

LAND USE DATA

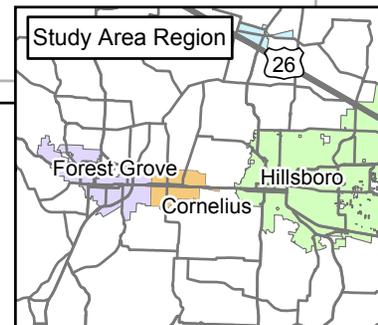
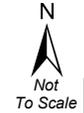
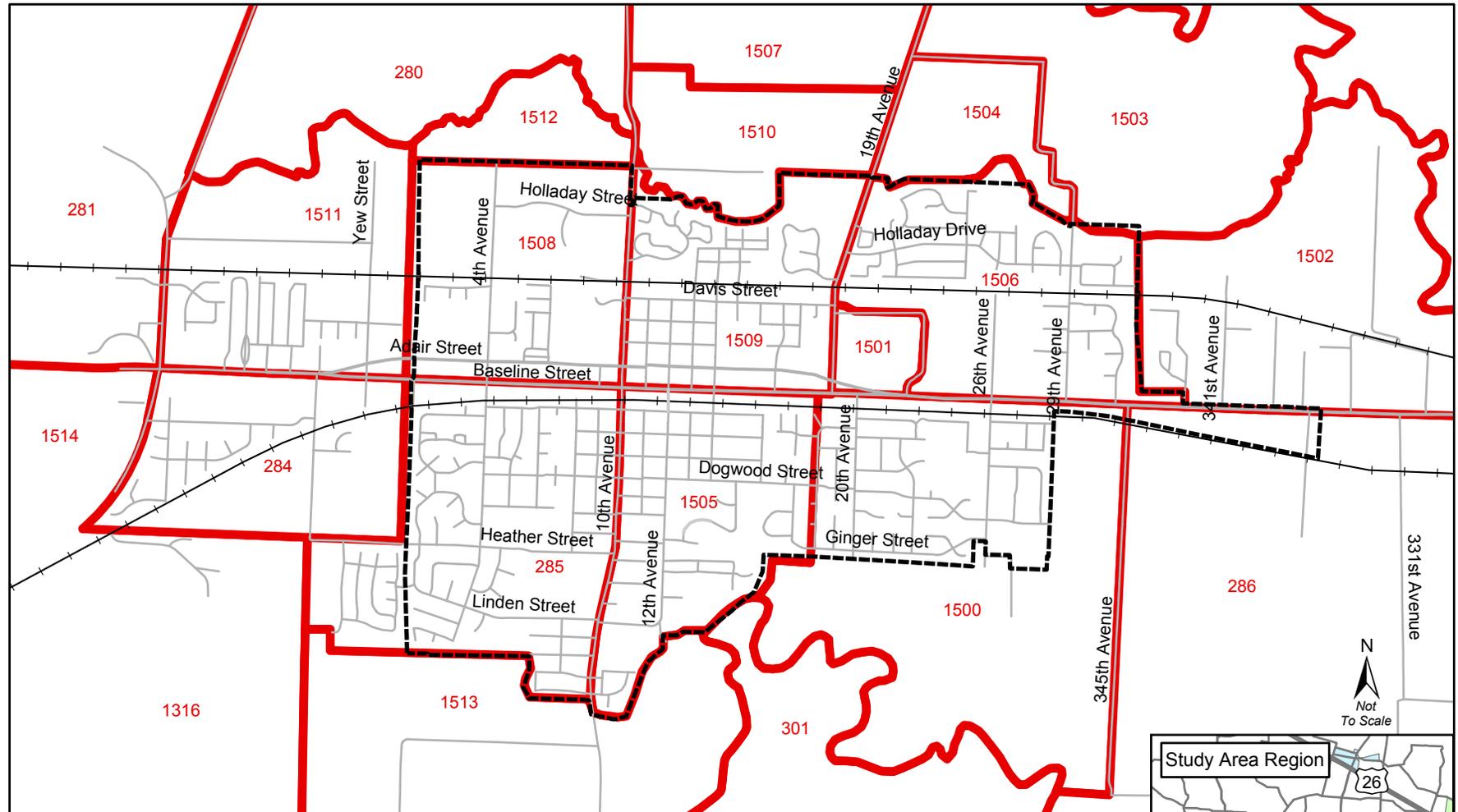
metro TAZ	TSP TAZ	2000 HH	2000 RET	2000 OTH	2025 HH	2025 RET	2025 OTH	HH GTH	RET GTH	OTH GTH
280		421	343	1060	805	773	2503	384	430	1443
	280	15	0	30	30	0	50	15	0	20
	1507	20	0	30	50	0	50	30	0	20
	1510	10	0	10	0	160	778	-10	160	768
	1508	100	143	645	340	340	755	240	197	110
	1512	1	0	5	0	0	450	-1	0	445
	1509	275	200	340	385	273	420	110	73	80
281		2059	845	2085	3236	1705	4116	1177	860	2031
	281	1459	570	1360	2256	1130	2540	797	560	1180
	1511	600	275	725	980	575	1576	380	300	851
285		1393	8	387	1654	38	668	261	30	281
	285	800	4	200	925	19	308	125	15	108
	1505	566	4	187	674	19	350	108	15	163
	1513	27	0	4	55	0	10	28	0	6
286		1580	314	493	2101	640	1348	521	326	855
	286	75	20	40	100	30	80	25	10	40
	1500	760	60	70	940	230	270	180	170	200
	1501	0	124	110	0	180	200	0	56	90
	1506	530	80	238	771	150	303	241	70	65
	1504	10	0	5	0	0	400	-10	0	395
	1502	175	30	20	250	50	75	75	20	55
	1503	30	0	10	40	0	20	10	0	10

TAZ - Transportation Area Zone

HH - household

RET - retail employee

OTH - other employee



**Figure 4-1
TRANSPORTATION
ANALYSIS ZONES**

Sources:
- Metro RLIS - City of Cornelius
- TriMet - Washington County

LEGEND

- ▬ Cornelius TAZ
- Rail Lines
- Cornelius City Limit