APPENDIX G

Model Validation Statistics
by Time-of-Day

AM Peak Period (6-9AM) RMSE by Volume Group for Doral Subarea Model

Volume Group	Count Range	Model RMSE (%)		Allowable RMSE Range	No. of Links
		Before Subarea Validation	After Subarea Validation		
1	1 - 5,000	75.2%	27.8%	45 - 55%	97
2	5,000 - 10,000	38.3%	23.0%	35 - 45%	10
3	10,000 - 20,000	37.1%	11.9%	27 - 35%	14
4	20,000 - 30,000	33.7%	8.0%	24 - 27%	3
ALL	**1 - 500,000**	**58.0%**	**20.5%**	**32 - 39%**	**124**

AM Peak Period (6-9AM) Volume-to-Count Ratio by Facility Type for Doral Subarea Model

Facility Type	Before Subarea Validation	After Subarea Validation	No. of Links
Freeway	1.20	1.00	10
High Speed Arterials	1.29	0.94	34
Low Speed Collectors	1.24	0.99	40
Ramps	1.22	1.01	16
Toll Roads	1.13	0.98	24
ALL	**1.21**	**0.98**	**124**

PM Peak Period (3-7PM) RMSE by Volume Group for Doral Subarea Model

Volume Group	Count Range	Model RMSE (%)		Allowable RMSE Range	No. of Links
		Before Subarea Validation	After Subarea Validation		
1	1 - 5,000	52.0%	29.8%	45 - 55%	75
2	5,000 - 10,000	39.3%	18.0%	35 - 45%	26
3	10,000 - 20,000	25.6%	8.5%	27 - 35%	13
4	20,000 - 30,000	17.3%	13.5%	24 - 27%	6
5	30,000 - 40,000	16.4%	13.5%	22 - 24%	4
ALL	**1 - 500,000**	**33.9%**	**19.5%**	**32 - 39%**	**124**

PM Peak Period (3-7PM) Volume-to-Count Ratio by Facility Type for Doral Subarea Model

Facility Type	Before Subarea Validation	After Subarea Validation	No. of Links
Freeway	1.01	1.00	10
High Speed Arterials	1.11	0.95	34
Low Speed Collectors	1.05	1.00	40
Ramps	0.91	0.78	16
Toll Roads	1.04	0.97	24
ALL	**1.04**	**0.97**	**124**

Mid-day Period (9AM-3PM) RMSE by Volume Group for Doral Subarea Model

Volume Group	Count Range	Model RMSE (%)		Allowable RMSE Range	No. of Links
		Before Subarea Validation	After Subarea Validation		
1	1 - 5,000	57.2%	30.3%	45 - 55%	57
2	5,000 - 10,000	51.4%	19.1%	35 - 45%	37
3	10,000 - 20,000	39.0%	10.6%	27 - 35%	16
4	20,000 - 30,000	44.8%	17.1%	24 - 27%	4
5	30,000 - 40,000	11.3%	4.1%	22 - 24%	4
6	40,000 - 50,000	20.0%	6.0%	20 - 22%	6
ALL	**1 - 500,000**	**41.1%**	**14.8%**	**32 - 39%**	**124**

Mid-day Period (9AM-3PM) Volume-to-Count Ratio by Facility Type for Doral Subarea Model

Facility Type	Before Subarea Validation	After Subarea Validation	No. of Links
Freeway	0.88	0.98	10
High Speed Arterials	0.78	0.90	34
Low Speed Collectors	0.74	0.98	40
Ramps	0.85	0.89	16
Toll Roads	0.6	0.93	24
ALL	**0.78**	**0.95**	**124**

Evening Period (7-10PM) RMSE by Volume Group for Doral Subarea Model

Volume Group	Count Range	Model RMSE (%)		Allowable RMSE Range	No. of Links
		Before Subarea Validation	After Subarea Validation		
1	1 - 5,000	69.8%	35.0%	45 - 55%	102
2	5,000 - 10,000	40.3%	19.3%	35 - 45%	11
3	10,000 - 20,000	22.9%	6.3%	27 - 35%	11
ALL	**1 - 500,000**	**49.7%**	**21.6%**	**32 - 39%**	**124**

Evening Period (7-10PM) Volume-to-Count Ratio by Facility Type for Doral Subarea Model

Facility Type	Before Subarea Validation	After Subarea Validation	No. of Links
Freeway	1.13	0.99	10
High Speed Arterials	1.00	0.90	34
Low Speed Collectors	1.08	0.90	40
Ramps	1.13	0.77	16
Toll Roads	0.60	0.85	24
ALL	**0.97**	**0.91**	**124**

Early Morning Period (10PM-6AM) RMSE by Volume Group for Doral Subarea Model

Volume Group	Count Range	Model RMSE (%)		Allowable RMSE Range	No. of Links
		Before Subarea Validation	After Subarea Validation		
1	1 - 5,000	78.8%	32.3%	45 - 55%	109
2	5,000 - 10,000	50.8%	17.7%	35 - 45%	7
3	10,000 - 20,000	46.8%	8.3%	27 - 35%	8
ALL	1 - 500,000	79.8%	22.8%	32 - 39%	124

Early Morning Period (10PM-6AM) Volume-to-Count Ratio by Facility Type for Doral Subarea Model

Facility Type	Before Subarea Validation	After Subarea Validation	No. of Links
Freeway	0.62	0.99	10
High Speed Arterials	0.56	0.85	34
Low Speed Collectors	0.93	0.91	40
Ramps	0.82	0.90	16
Toll Roads	0.38	0.93	24
ALL	**0.61**	**0.93**	**124**