



# Appendix E

## Predicted Hourly Traffic Data



This page has been intentionally left blank.



Table E1 Predicted Motorway Weekday Actual Flows (vehicles per hour) – Morning Peak

Road	Northbound/Eastbound			Southbound/Westbound		
	2015	2031 Reference Case	2031 Project	2015	2031 Reference Case	2031 Project
<b>SH1</b>						
North of Oteha Valley Rd	1,300	1,940	1,990	2,080	3,170	3,250
Oteha Valley Rd IC	1,150	1,600	1,660	1,630	2,240	2,430
Greville Rd to Oteha Valley Rd	1,870	2,640	2,680	2,360	2,820	3,200
Greville Rd Interchange	1,780	2,470	2,590	1,850	2,030	2,770
Greville Rd to Upper Harbour	3,020	3,860	4,810	2,310	3,160	4,530
Upper Harbour Interchange	1,900	2,620	2,450	1,720	2,090	2,040
Upper Harbour to Tristram Ave	2,890	3,620	3,810	2,550	2,870	2,800
<b>SH18</b>						
Tauhinu Rd to Greenhithe Rd	2,560	3,490	3,660	1,630	2,530	3,120
Greenhithe Rd to Albany Hwy	2,820	4,010	4,210	1,770	2,820	3,480
Albany Highway Interchange	1,480	2,380	2,500	890	1,440	2,130
East of Albany Highway	1,700	2,390	2,740	1,000	1,480	2,530

Table E2 Predicted Motorway Weekday Demand Flows (vehicles per hour) – Morning Peak

Road	Northbound/Eastbound			Southbound/Westbound		
	2015	2031 Reference Case	2031 Project	2015	2031 Reference Case	2031 Project
<b>SH1</b>						
North of Oteha Valley Rd	1,330	2,000	2,030	2,080	3,170	3,250
Oteha Valley Rd IC	1,170	1,650	1,700	1,630	2,240	2,430
Greville Rd to Oteha Valley Rd	1,910	2,730	2,740	2,360	2,820	3,200
Greville Rd Interchange	1,820	2,550	2,650	1,860	2,040	2,770
Greville Rd to Upper Harbour	3,080	3,990	4,930	2,330	3,170	4,540
Upper Harbour Interchange	1,930	2,690	2,510	1,740	2,100	2,040
Upper Harbour to Tristram Ave	2,930	3,730	3,920	2,590	2,890	2,820
<b>SH18</b>						
Tauhinu Rd to Greenhithe Rd	2,680	3,640	3,770	1,660	2,640	3,160
Greenhithe Rd to Albany Hwy	2,940	4,150	4,320	1,800	2,940	3,530
Albany Highway Interchange	1,550	2,460	2,560	900	1,490	2,150
East of Albany Highway	1,760	2,480	2,800	1,020	1,530	2,550



Table E3 Predicted Motorway Weekday Actual Flows (vehicles per hour) – Inter Peak

Road	Northbound/Eastbound			Southbound/Westbound		
	2015	2031 Reference Case	2031 Project	2015	2031 Reference Case	2031 Project
<b>SH1</b>						
North of Oteha Valley Rd	1,660	2,680	2,720	1,650	2,660	2,720
Oteha Valley Rd IC	1,260	1,870	1,940	1,300	1,910	1,980
Greville Rd to Oteha Valley Rd	2,130	3,290	3,340	1,840	2,610	2,860
Greville Rd Interchange	1,940	3,010	3,150	1,750	2,250	2,710
Greville Rd to Upper Harbour	3,340	4,700	5,270	3,170	3,850	4,920
Upper Harbour Interchange	2,670	3,580	3,580	2,380	2,840	2,860
Upper Harbour to Tristram Ave	3,800	4,770	5,000	3,720	4,080	4,080
<b>SH18</b>						
Tauhinu Rd to Greenhithe Rd	1,350	2,430	2,570	1,350	2,480	2,750
Greenhithe Rd to Albany Hwy	1,530	2,740	2,980	1,560	2,900	3,220
Albany Highway Interchange	670	1,280	1,680	870	1,190	1,910
East of Albany Highway	870	1,370	1,910	1,010	1,230	2,070

Table E4 Predicted Motorway Weekday Demand Flows (vehicles per hour) – Inter Peak

Road	Northbound/Eastbound			Southbound/Westbound		
	2015	2031 Reference Case	2031 Project	2015	2031 Reference Case	2031 Project
<b>SH1</b>						
North of Oteha Valley Rd	1,660	2,680	2,720	1,650	2,660	2,720
Oteha Valley Rd IC	1,260	1,870	1,950	1,300	1,910	1,980
Greville Rd to Oteha Valley Rd	2,130	3,290	3,340	1,840	2,610	2,860
Greville Rd Interchange	1,940	3,020	3,150	1,750	2,250	2,710
Greville Rd to Upper Harbour	3,340	4,710	5,280	3,170	3,850	4,920
Upper Harbour Interchange	2,670	3,580	3,580	2,380	2,840	2,860
Upper Harbour to Tristram Ave	3,800	4,770	5,000	3,720	4,080	4,090
<b>SH18</b>						
Tauhinu Rd to Greenhithe Rd	1,350	2,430	2,570	1,350	2,480	2,750
Greenhithe Rd to Albany Hwy	1,530	2,750	2,980	1,560	2,900	3,220
Albany Highway Interchange	670	1,280	1,680	870	1,190	1,910
East of Albany Highway	870	1,370	1,910	1,010	1,230	2,070



Table E5 Predicted Motorway Weekday Actual Flows (vehicles per hour) – Evening Peak

Road	Northbound/Eastbound			Southbound/Westbound		
	2015	2031 Reference Case	2031 Project	2015	2031 Reference Case	2031 Project
<b>SH1</b>						
North of Oteha Valley Rd	3,350	4,320	4,570	1,620	2,330	2,400
Oteha Valley Rd IC	2,560	3,030	3,350	1,360	1,840	1,900
Greville Rd to Oteha Valley Rd	4,140	4,550	5,080	2,000	2,510	2,870
Greville Rd Interchange	3,850	4,040	4,800	1,900	2,150	2,720
Greville Rd to Upper Harbour	5,320	5,440	7,220	3,120	3,770	4,690
Upper Harbour Interchange	4,250	4,260	4,970	2,070	2,540	2,340
Upper Harbour to Tristram Ave	5,040	5,310	5,840	3,290	3,720	3,650
<b>SH18</b>						
Tauhinu Rd to Greenhithe Rd	1,570	2,480	2,900	2,600	2,660	3,350
Greenhithe Rd to Albany Hwy	1,820	2,820	3,290	2,980	3,110	4,010
Albany Highway Interchange	870	1,180	1,920	1,560	1,670	2,570
East of Albany Highway	1,100	1,220	2,080	1,630	1,680	2,870

Table E6 Predicted Motorway Weekday Demand Flows (vehicles per hour) – Evening Peak

Road	Northbound/Eastbound			Southbound/Westbound		
	2015	2031 Reference Case	2031 Project	2015	2031 Reference Case	2031 Project
<b>SH1</b>						
North of Oteha Valley Rd	3,460	4,790	4,750	1,620	2,330	2,400
Oteha Valley Rd IC	2,660	3,470	3,510	1,360	1,840	1,900
Greville Rd to Oteha Valley Rd	4,310	5,210	5,330	2,010	2,520	2,880
Greville Rd Interchange	4,010	4,690	5,040	1,910	2,160	2,740
Greville Rd to Upper Harbour	5,550	6,320	7,580	3,210	3,860	4,770
Upper Harbour Interchange	4,420	4,790	5,210	2,130	2,590	2,380
Upper Harbour to Tristram Ave	5,250	5,520	6,120	3,440	3,830	3,730
<b>SH18</b>						
Tauhinu Rd to Greenhithe Rd	1,650	2,670	3,090	2,750	3,010	3,440
Greenhithe Rd to Albany Hwy	1,910	3,010	3,480	3,150	3,520	4,110
Albany Highway Interchange	910	1,260	2,040	1,670	1,930	2,620
East of Albany Highway	1,150	1,300	2,200	1,740	1,930	2,930



**Table E7 Predicted Local Arterial Weekday Actual Flows (two way, vehicles per hour) – Morning Peak**

	2015	2031 Reference Case	2031 Project Case
Sunset Road (near SH1)	1,190	1,260	1,080
Constellation Drive (east of Apollo Dr)	2,000	2,170	2,180
Rosedale Road (west of Tawa Dr)	1,790	1,650	1,170
Rosedale Road (west of Apollo Dr)	1,000	1,120	830
McClymonts Road (west of Medallion Dr)	1,690	1,960	2,080
Oteha Valley Road (east of SH1)	2,030	2,170	2,500
Oteha Valley Road (west of Munroe Ln)	1,270	1,210	1110
Greville Road (east of SH1)	1,320	1,920	2,180
Albany Highway (south of Wharf Rd)	1,530	2,140	1,540
Albany Highway (south of Rosedale Rd)	1,570	1,850	1,380
Albany Highway (south of Upper Harbour Dr)	2,620	3,510	3,990
Albany Expressway (west of SH1)	1,670	2,170	2,720
Albany Expressway (west of Bush Rd)	1,550	1,900	2,270
William Pickering Drive (north of Piermark Dr)	1,300	1,330	960
Bush Road (north of Piermark Dr)	2,290	2,240	1,950
Tawa Drive (north of Rosedale Rd)	1,250	1,330	980
Apollo Drive (north of Constellation Dr)	1,850	1,990	1,710
East Coast Road (north of Greville Rd)	1,620	1,980	2,040
East Coast Road (north of Browns Bay Rd)	1,820	1,660	1,820
East Coast Road (north of Constellation Dr)	2,810	3,120	2,950
Unsworth Drive (north of Albany Hwy)	350	500	500
Unsworth Drive (south of Barbados Dr)	300	390	300
Paul Matthews Road (east of Bush Rd)	2,070	2,310	1590
Caribbean Drive (North of Goldfinch Rise)	990	1,260	1,240



**Table E8 Predicted Local Arterial Weekday Demand Flows (two way, vehicles per hour) – Morning Peak**

	2015	2031 Reference Case	2031 Project Case
Sunset Road (near SH1)	1,220	1,290	1,090
Constellation Drive (east of Apollo Dr)	2,020	2,230	2,200
Rosedale Road (west of Tawa Dr)	1,820	1,670	1,170
Rosedale Road (west of Apollo Dr)	1,030	1,140	830
McClymonts Road (west of Medallion Dr)	1,690	1,960	2,100
Oteha Valley Road (east of SH1)	2,040	2,190	2,520
Oteha Valley Road (west of Munroe Ln)	1,280	1,210	1120
Greville Road (east of SH1)	1,330	1,930	2,190
Albany Highway (south of Wharf Rd)	1,530	2,190	1,550
Albany Highway (south of Rosedale Rd)	1,590	1,880	1,400
Albany Highway (south of Upper Harbour Dr)	2,650	3,720	4,030
Albany Expressway (west of SH1)	1,690	2,210	2,760
Albany Expressway (west of Bush Rd)	1,550	1,930	2,290
William Pickering Drive (north of Piermark Dr)	1,320	1,340	970
Bush Road (north of Piermark Dr)	2,320	2,280	1,970
Tawa Drive (north of Rosedale Rd)	1,260	1,350	990
Apollo Drive (north of Constellation Dr)	1,890	2,030	1,730
East Coast Road (north of Greville Rd)	1,630	1,980	2,060
East Coast Road (north of Browns Bay Rd)	1,830	1,680	1,830
East Coast Road (north of Constellation Dr)	2,830	3,200	2,970
Unsworth Drive (north of Albany Hwy)	350	520	510
Unsworth Drive (south of Barbados Dr)	300	400	300
Paul Matthews Road (east of Bush Rd)	2,100	2,360	1620
Caribbean Drive (North of Goldfinch Rise)	1,020	1,310	1,260



**Table E9 Predicted Local Arterial Weekday Actual Flows (two way, vehicles per hour) – Inter Peak**

	2015	2031 Reference Case	2031 Project Case
Sunset Road (near SH1)	690	930	770
Constellation Drive (east of Apollo Dr)	920	1,390	1,320
Rosedale Road (west of Tawa Dr)	1,600	1,480	1,260
Rosedale Road (west of Apollo Dr)	1,050	800	850
McClymonts Road (west of Medallion Dr)	1,930	2,430	2,500
Oteha Valley Road (east of SH1)	1,620	2,500	2,640
Oteha Valley Road (west of Munroe Ln)	1,130	1,190	1230
Greville Road (east of SH1)	970	1,650	1,760
Albany Highway (south of Wharf Rd)	940	1,250	1,030
Albany Highway (south of Rosedale Rd)	1,230	1,240	1,030
Albany Highway (south of Upper Harbour Dr)	1,490	2,220	2,360
Albany Expressway (west of SH1)	2,040	2,560	2,840
Albany Expressway (west of Bush Rd)	1,050	1,790	1,820
William Pickering Drive (north of Piermark Dr)	760	980	760
Bush Road (north of Piermark Dr)	1,680	2,000	1,740
Tawa Drive (north of Rosedale Rd)	1,060	870	860
Apollo Drive (north of Constellation Dr)	1,480	1,570	1,430
East Coast Road (north of Greville Rd)	860	1,350	1,300
East Coast Road (north of Browns Bay Rd)	730	1,240	1,240
East Coast Road (north of Constellation Dr)	1,630	2,160	2,010
Unsworth Drive (north of Albany Hwy)	330	410	460
Unsworth Drive (south of Barbados Dr)	170	130	90
Paul Matthews Road (east of Bush Rd)	1,460	1,240	1,270
Caribbean Drive (North of Goldfinch Rise)	810	1,020	920





**Table E10 Predicted Local Arterial Weekday Demand Flows (two way, vehicles per hour) – Inter Peak**

	2015	2031 Reference Case	2031 Project Case
Sunset Road (near SH1)	690	930	770
Constellation Drive (east of Apollo Dr)	920	1,400	1,320
Rosedale Road (west of Tawa Dr)	1,600	1,480	1,260
Rosedale Road (west of Apollo Dr)	1,050	800	850
McClymonts Road (west of Medallion Dr)	1,930	2,440	2,510
Oteha Valley Road (east of SH1)	1,620	2,500	2,640
Oteha Valley Road (west of Munroe Ln)	1,130	1,200	1230
Greville Road (east of SH1)	970	1,650	1,760
Albany Highway (south of Wharf Rd)	940	1,250	1,030
Albany Highway (south of Rosedale Rd)	1,230	1,240	1,030
Albany Highway (south of Upper Harbour Dr)	1,490	2,220	2,360
Albany Expressway (west of SH1)	2,040	2,570	2,840
Albany Expressway (west of Bush Rd)	1,050	1,790	1,820
William Pickering Drive (north of Piermark Dr)	760	980	760
Bush Road (north of Piermark Dr)	1,680	2,000	1,740
Tawa Drive (north of Rosedale Rd)	1,060	870	860
Apollo Drive (north of Constellation Dr)	1,480	1,570	1,430
East Coast Road (north of Greville Rd)	860	1,360	1,300
East Coast Road (north of Browns Bay Rd)	730	1,240	1,240
East Coast Road (north of Constellation Dr)	1,630	2,160	2,010
Unsworth Drive (north of Albany Hwy)	330	420	460
Unsworth Drive (south of Barbados Dr)	170	130	90
Paul Matthews Road (east of Bush Rd)	1,460	1,240	1,270
Caribbean Drive (North of Goldfinch Rise)	810	1,020	920



**Table E11 Predicted Local Arterial Weekday Actual Flows (two way, vehicles per hour) – Evening Peak**

	2015	2031 Reference Case	2031 Project Case
Sunset Road (near SH1)	1,280	1,470	1,220
Constellation Drive (east of Apollo Dr)	1,410	1,750	2,010
Rosedale Road (west of Tawa Dr)	1,890	1,870	1,490
Rosedale Road (west of Apollo Dr)	960	1,080	1,070
McClymonts Road (west of Medallion Dr)	1,790	2,030	2,010
Oteha Valley Road (east of SH1)	2,480	2,980	3,060
Oteha Valley Road (west of Munroe Ln)	1,860	1,600	1,160
Greville Road (east of SH1)	1,510	2,230	2,530
Albany Highway (south of Wharf Rd)	1,450	2,410	1,830
Albany Highway (south of Rosedale Rd)	1,810	2,250	1,660
Albany Highway (south of Upper Harbour Dr)	3,020	3,620	3,670
Albany Expressway (west of SH1)	2,420	2,560	2,670
Albany Expressway (west of Bush Rd)	1,680	2,000	2,100
William Pickering Drive (north of Piermark Dr)	840	1,190	940
Bush Road (north of Piermark Dr)	1,770	1,960	1,610
Tawa Drive (north of Rosedale Rd)	1,450	1,240	1,110
Apollo Drive (north of Constellation Dr)	1,840	2,150	1,930
East Coast Road (north of Greville Rd)	1,420	1,800	1,870
East Coast Road (north of Browns Bay Rd)	1,360	1,480	1,360
East Coast Road (north of Constellation Dr)	2,540	2,720	2,520
Unsworth Drive (north of Albany Hwy)	540	560	570
Unsworth Drive (south of Barbados Dr)	280	270	250
Paul Matthews Road (east of Bush Rd)	2,030	2,200	1,720
Caribbean Drive (North of Goldfinch Rise)	1,240	1,280	1,280



**Table E12 Predicted Local Arterial Weekday Demand Flows (two way, vehicles per hour) – Evening Peak**

	2015	2031 Reference Case	2031 Project Case
Sunset Road (near SH1)	1,310	1,530	1,250
Constellation Drive (east of Apollo Dr)	1,440	1,830	2,040
Rosedale Road (west of Tawa Dr)	1,940	1,940	1,500
Rosedale Road (west of Apollo Dr)	990	1,110	1,080
McClymonts Road (west of Medallion Dr)	1,830	2,060	2,050
Oteha Valley Road (east of SH1)	2,610	3,140	3,140
Oteha Valley Road (west of Munroe Ln)	1,890	1,660	1,170
Greville Road (east of SH1)	1,590	2,320	2,610
Albany Highway (south of Wharf Rd)	1,480	2,460	1,850
Albany Highway (south of Rosedale Rd)	1,830	2,340	1,680
Albany Highway (south of Upper Harbour Dr)	3,130	3,840	3,740
Albany Expressway (west of SH1)	2,470	2,700	2,730
Albany Expressway (west of Bush Rd)	1,720	2,080	2,140
William Pickering Drive (north of Piermark Dr)	860	1,210	960
Bush Road (north of Piermark Dr)	1,800	2,040	1,630
Tawa Drive (north of Rosedale Rd)	1,490	1,290	1,120
Apollo Drive (north of Constellation Dr)	1,870	2,260	1,950
East Coast Road (north of Greville Rd)	1,480	1,860	1,910
East Coast Road (north of Browns Bay Rd)	1,420	1,540	1,390
East Coast Road (north of Constellation Dr)	2,590	2,850	2,570
Unsworth Drive (north of Albany Hwy)	570	600	590
Unsworth Drive (south of Barbados Dr)	300	280	250
Paul Matthews Road (east of Bush Rd)	2,070	2,300	1,750
Caribbean Drive (North of Goldfinch Rise)	1,320	1,420	1,340



This page has been intentionally left blank.