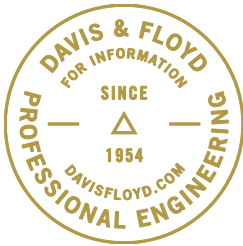


Appendix 5-B: Alternatives Operating Statistics

Draft Report – February 2016



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BRT and LRT Alternatives Operating Statistics

BRT Alternatives

Alternative	AM/PM Peak							Weekday Base							Weekday Early/Late							Weekday Summary						
	Peak Frequency	Peak Trips	Travel Time (in Minutes) with Delay	Layover	Cycle Time	% Layover	Total Vehicles	Frequency	Total Trips	Travel Time (in Minutes) with Delay	Layover	Cycle Time	% Layover	Total Vehicles	Frequency	Total Trips	Travel Time (in Minutes) with Delay	Layover	Cycle Time	% Layover	Total Vehicles	Peak Vehicles	Base Vehicles	Total Trips	One-way Miles	One Way Dist/Time Min.	Total Revenue Hours	Total Revenue Miles
B-1 US 78/US 52/Meeting BRT	10	72	118.38	11.62	130.00	8.9%	13.00	20	54	118.38	1.62	120.00	1.3%	6.00	30	24	118.38	1.62	120.00	1.3%	4.00	13.00	6.00	150	23.32	59.19	156.00	3,497.25
B-3 US 78/US 52/East Bay BRT	10	72	126.58	13.42	140.00	9.6%	14.00	20	54	126.58	13.42	140.00	9.6%	7.00	30	24	126.58	23.42	150.00	15.6%	5.00	14.00	7.00	150	24.19	63.29	177.00	3,627.75
C-1 US 176/US 52/Meeting BRT	10	72	103.67	6.33	110.00	5.8%	11.00	20	54	103.67	16.33	120.00	13.6%	6.00	30	24	103.67	16.33	120.00	13.6%	4.00	11.00	6.00	150	21.63	51.83	144.00	3,244.50
C-3 US 176/US 52/East Bay BRT	10	72	111.98	8.02	120.00	6.7%	12.00	20	54	111.98	8.02	120.00	6.7%	6.00	30	24	111.98	8.02	120.00	6.7%	4.00	12.00	6.00	150	22.50	55.99	150.00	3,375.00
D-1 Dorchester Rd/US 52/Meeting BRT	10	72	130.07	9.93	140.00	7.1%	14.00	20	54	130.07	9.93	140.00	7.1%	7.00	30	24	130.07	19.93	150.00	13.3%	5.00	14.00	7.00	150	25.54	65.03	177.00	3,831.00
D-3 Dorchester Rd/US 52/East Bay BRT	10	72	138.93	11.07	150.00	7.4%	15.00	20	54	138.93	1.07	140.00	0.8%	7.00	30	24	138.93	11.07	150.00	7.4%	5.00	15.00	7.00	150	26.41	69.47	183.00	3,961.50

Alternative	AM/PM Peak							Saturday Base							Saturday Early/Late							Saturday Summary						
	Peak Frequency	Peak Trips	Travel Time (in Minutes) with Delay	Layover	Cycle Time	% Layover	Total Vehicles	Frequency	Total Trips	Travel Time (in Minutes) with Delay	Layover	Cycle Time	% Layover	Total Vehicles	Frequency	Total Trips	Travel Time (in Minutes) with Delay	Layover	Cycle Time	% Layover	Total Vehicles	Peak Vehicles	Base Vehicles	Total Trips	One-way Miles	One Way Dist/Time Min.	Total Revenue Hours	Total Revenue Miles
B-1 US 78/US 52/Meeting BRT								20	90	118.38	1.62	120.00	1.3%	6.00	30	16	118.38	31.62	150.00	21.1%	5.00	n/a	6.00	106	23.32	59.19	110.00	2,471.39
B-3 US 78/US 52/East Bay BRT								20	90	126.58	13.42	140.00	9.6%	7.00	30	16	126.58	23.42	150.00	15.6%	5.00	n/a	7.00	106	24.19	63.29	125.00	2,563.61
C-1 US 176/US 52/Meeting BRT								20	90	103.67	16.33	120.00	13.6%	6.00	30	16	103.67	16.33	120.00	13.6%	4.00	n/a	6.00	106	21.63	51.83	106.00	2,292.78
C-3 US 176/US 52/East Bay BRT								20	90	111.98	8.02	120.00	6.7%	6.00	30	16	111.98	8.02	120.00	6.7%	4.00	n/a	6.00	106	22.50	55.99	106.00	2,385.00
D-1 Dorchester Rd/US 52/Meeting BRT								20	90	130.07	9.93	140.00	7.1%	7.00	30	16	130.07	19.93	150.00	13.3%	5.00	n/a	7.00	106	25.54	65.03	125.00	2,707.24
D-3 Dorchester Rd/US 52/East Bay BRT								20	90	138.93	1.07	140.00	0.8%	7.00	30	16	138.93	11.07	150.00	7.4%	5.00	n/a	7.00	106	26.41	69.47	125.00	2,799.46

Alternative	AM/PM Peak							Sunday Base							Saturday Early/Late							Sunday Summary						
	Peak Frequency	Peak Trips	Travel Time (in Minutes) with Delay	Layover	Cycle Time	% Layover	Total Vehicles	Peak frequency	Total Trips	Travel Time (in Minutes) with Delay	Layover	Cycle Time	% Layover	Total Vehicles	Frequency	Total Trips	Travel Time (in Minutes) with Delay	Layover	Cycle Time	% Layover	Total Vehicles	Peak Vehicles	Base Vehicles	Total Trips	One-way Miles	One Way Dist/Time Min.	Total Revenue Hours	Total Revenue Miles
B-1 US 78/US 52/Meeting BRT								30	64	118.38	1.62	120.00	1.3%	4.00								n/a	4.00	64	23.32	59.19	64.00	1,492.16
B-3 US 78/US 52/East Bay BRT								30	64	126.58	13.42	140.00	9.6%	4.67								n/a	4.67	64	24.19	63.29	74.67	1,547.84
C-1 US 176/US 52/Meeting BRT								30	64	103.67	16.33	120.00	13.6%	4.00								n/a	4.00	64	21.63	51.83	64.00	1,384.32
C-3 US 176/US 52/East Bay BRT								30	64	111.98	8.02	120.00	6.7%	4.00								n/a	4.00	64	22.50	55.99	64.00	1,440.00
D-1 Dorchester Rd/US 52/Meeting BRT								30	64	130.07	9.93	150.00	13.3%	5.00								n/a	5.00	64	25.54	65.03	80.00	1,634.56
D-3 Dorchester Rd/US 52/East Bay BRT								30	64	138.93	11.07	150.00	7.4%	5.00								n/a	5.00	64	26.41	69.47	80.00	1,690.24

LRT Alternatives

Alternative	Weekday AM/PM Peak							Weekday Base							Weekday Early/Late							Weekday Summary						
	Peak frequency	Peak Trips	Travel Time (in Minutes) with Delay	Layover	Cycle Time	% Layover	Total Vehicles	Peak frequency	Total Trips	Travel Time (in Minutes) with Delay	Layover	Cycle Time	% Layover	Total Vehicles	Peak frequency	Total Trips	Travel Time (in Minutes) with Delay	Layover	Cycle Time	% Layover	Total Vehicles	Peak Vehicles	Base Vehicles	Total Trips	One-way Miles	One Way Dist/Time Min.	Total Revenue Hours	Total Revenue Miles
B-2 US 78/US 52/Meeting LRT	10	72	113.08	6.92	120.00	5.8%	12.00	20	54	113.08	6.92	120.00	5.8%	6.00	30	24	113.08	6.92	120.00	5.8%	4.00	12.00	6.00	150	23.32	56.54	150.00	3,497.25
B-4 US 78/US 52/East Bay LRT	10	72	122.82	7.18	130.00	5.5%	13.00	20	54	122.82	17.18	140.00	12.3%	7.00	30	24	122.82	27.18	150.00	18.1%	5.00	13.00	7.00	150	24.19	61.41	171.00	3,627.75
C-2 US 176/US 52/Meeting LRT	10	72	100.38	9.62	110.00	8.7%	11.00	20	54	100.38	19.62	120.00	16.3%	6.00	30	24	100.38	19.62	120.00	16.3%	4.00	11.00	6.00	150	21.63	50.19	144.00	3,244.50
C-4 US 176/US 52/East Bay LRT	10	72	110.12	9.88	120.00	8.2%	12.00	20	54	110.12	9.88	120.00	8.2%	6.00	30	24	110.12	9.88	120.00	8.2%	4.00	12.00	6.00	150	22.50	55.06	150.00	3,375.00
D-2 Dorchester Rd/US 52/Meeting LRT	10	72	127.38	2.62	130.00	2.0%	13.00	20	54	127.38	12.62	140.00	9.0%	7.00	30	24	127.38	22.62	150.00	15.1%	5.00	13.00	7.00	150	25.54	63.69	171.00	3,831.00
D-4 Dorchester Rd/US 52/East Bay LRT	10	72	137.12	2.88	140.00	2.1%	14.00	20	54	137.12	2.88	140.00	2.1%	7.00	30	24	137.12	12.88	150.00	8.6%	5.00	14.00	7.00	150	26.41	68.56	177.00	3,961.50

Alternative	Saturday Base							Saturday Early/Late							Saturday Summary													
	Peak frequency	Total Trips	Travel Time (in Minutes) with Delay	Layover	Cycle Time	% Layover	Total Vehicles	Peak frequency	Total Trips	Travel Time (in Minutes) with Delay	Layover	Cycle Time	% Layover	Total Vehicles	Peak Vehicles	Base Vehicles	Total Trips	One-way Miles	One Way Dist/Time Min.	Total Revenue Hours	Total Revenue Miles							
B-2 US 78/US 52/Meeting LRT								20	90	113.08	6.92	120.00	5.8%	6.00	30	16	113.08	6.92	120.00	5.8%	4.00	n/a	6.00	106	23.32	56.54	106.00	2,471.39
B-4 US 78/US 52/East Bay LRT								20	90	122.82	17.18	140.00	12.3%	7.00	30	16	122.82	27.18	150.00	18.1%	5.00	n/a	7.00	106	24.19	61.41	125.00	2,563.61
C-2 US 176/US 52/Meeting LRT								20	90	100.38	19.62	120.00	16.3%	6.00	30	16	100.38	19.62	120.00	16.3%	4.00	n/a	6.00	106	21.63	50.19	106.00	2,292.78
C-4 US 176/US 52/East Bay LRT								20	90	110.12	9.88	120.00	8.2%	6.00	30	16	110.12	9.88	120.00	8.2%	4.00	n/a	6.00	106	22.50	55.06	106.00	2,385.00
D-2 Dorchester Rd/US 52/Meeting LRT								20	90	127.38	12.62	140.00	9.0%	7.00	30	16	127.38	22.62	150.00	15.1%	5.00	n/a	7.00	106	25.54	63.69	125.00	2,707.24
D-4 Dorchester Rd/US 52/East Bay LRT								20	90	137.12	2.88	140.00	2.1%	7.00	30	16	137.12	12.88	150.00	8.6%	5.00	n/a	7.00	106	26.41	68.56	125.00	2,799.46

Alternative	Sunday Base							Saturday Early/Late							Sunday Summary													
	Peak frequency	Total Trips	Travel Time (in Minutes) with Delay	Layover	Cycle Time	% Layover	Total Vehicles	Peak frequency	Total Trips	Travel Time (in Minutes) with Delay	Layover	Cycle Time	% Layover	Total Vehicles	Peak Vehicles	Base Vehicles	Total Trips	One-way Miles	One Way Dist/Time Min.	Total Revenue Hours	Total Revenue Miles							
B-2 US 78/US 52/Meeting LRT								30	64	113.08	6.92	120.00	5.8%	4.00								n/a	4.00	64	23.32	56.54	64.00	1,492.16
B-4 US 78/US 52/East Bay LRT								30	64	122.82	17.18	140.00	12.3%	5.00								n/a	5.00	64	24.19	61.41	80.00	1,547.84
C-2 US 176/US 52/Meeting LRT								30	64	100.38	19.62	120.00	16.3%	4.00								n/a	4.00	64	21.63	50.19	64.00	1,384.32
C-4 US 176/US 52/East Bay LRT								30	64	110.12	9.88	120.00	8.2%	4.00								n/a	4.00	64	22.50	55.06	64.00	1,440.00
D-2 Dorchester Rd/US 52/Meeting LRT								30	64	127.38	12.62	140.00	9.0%	5.00								n/a	5.00	64	25.54	63.69	80.00	1,634.56
D-4 Dorchester Rd/US 52/East Bay LRT								30	64	137.12	2.88	150.00	8.6%	5.00								n/a	5.00	64	26.41	68.56	80.00	1,690.24