Appendix A Intersection and Roadway Traffic Conditions Tables

Table A-1 Intersections in East Bay BRT Corridor for LOS Analysis

Berkeley

On BRT Alignment

1	Shattuck Ave	University Ave (West)
2	Shattuck Ave	University Ave (East)
3	Shattuck Ave	Bancroft Way
4	Shattuck Ave	Durant Ave
5	Fulton Street	Bancroft Way
6	Dana Street	Bancroft Way
7	Telegraph Ave	Bancroft Way
8	Telegraph Ave	Durant Ave
9	Telegraph Ave	Dwight Way
10	Dana Street	Durant Ave
11	Dana Street	Haste Street
12	Dana Street	Dwight Way
13	Telegraph Ave	Derby Street
14	Telegraph Ave	Ashby Ave
15	Telegraph Ave	Woolsey Street

Off-Alignment

16	Euclid Ave	Hearst Ave
17	Shattuck Ave	Dwight Way
18	Shattuck Ave	Ashby Ave
19	Adeline Street	Ashby Ave
20	Adeline Street	Alcatraz Ave
21	College Ave	Dwight Way
22	College Ave	Ashby Ave
23	College Ave	Alcatraz Ave

Oakland

On BRT Alignment

24	Telegraph Ave	Alcatraz Ave
25	Telegraph Ave	Claremont/52nd
26	Telegraph Ave	51st Street
27	Telegraph Ave	45th St/Shattuck Ave
28	Telegraph Ave	40th Street
29	Telegraph Ave	MacArthur Blvd
30	Telegraph Ave	27th Street
31	Telegraph Ave	Grand Ave
32	Telegraph Ave	20th Street
33	Broadway	20th Street
34	Broadway	14th Street
35	Broadway	12th Street
36	Broadway	11th Street
37	International Blvd	1st Ave
38	International Blvd	2nd Ave
39	East 12th Street	14th Ave (East)
40	East 12th Street	14th Ave (West)
41	International Blvd	14th Ave
42	International Blvd	23rd Ave
43	International Blvd	29th Ave
44	International Blvd	Fruitvale Ave
45	International Blvd	35th Ave
46	International Blvd	42nd Ave
47	International Blvd	High Street
48	International Blvd	Seminary Ave
49	International Blvd	66th Ave
50	International Blvd	73rd Ave/ Hegenberger Road
51	International Blvd	82nd Ave
52	International Blvd	98th Ave

Off Alignment

53	College Ave	Claremont Ave
54	Shattuck Ave	55th Street
55	MLK Way	55th Street
56	MLK Way	52nd Street
57	Shattuck Ave	52nd Street
58	Market St	35th Street/I 580 EB Ramps
59	MLK Way	MacArthur Blvd
60	Broadway	West Grand Ave
61	Broadway	8th Street
62	Broadway	5th Street
63	Broadway	7th Street
64	Broadway	6th Street
65	Jackson St	7th Street
66	Foothill Blvd	14th Ave
67	Foothill Blvd	Fruitvale Ave
68	Foothill Blvd	High Street
69	San Leandro St	High Street
70	Bancroft Ave	73rd Ave/Hegenberger Road
71	Bancroft Ave	98th Ave
72	San Leandro St	98th Ave

Table A-1 Intersections in East Bay BRT Corridor for LOS Analysis (Cont.)

San Leandro

On BRT Alignment		
73	E 14th Street	Durant Ave
74	E 14th Street	Dutton Ave
75	E 14th Street	Davis Street/Callan Ave
76	San Leandro Blvd	Davis Street
77	E 14th Street	Estudillo Ave
78	E 14th Street	San Leandro Blvd
79	E 14th Street	136th Ave
80	E 14th Street	143rd Ave
81	E 14th Street	Bancroft Ave/Hesperian Blvd
82	E 14th Street	150th Ave
83	E 14th Street	Fairmont Drive
Off Alignment		
84	Bancroft Ave	Dutton Ave
85	Bancroft Ave	Callan Ave
86	Bancroft Ave	Estudillo Ave
87	Washington Ave	Halcyon Drive
88	Hesperian Blvd	150th Ave

Appendix A-2a: AM Peak Period Intersection Level of Service: Existing, No-Build, and Build Conditions—City of Berkeley

									Alignment Variation									
			Existing Conditions (2003)		No-Build Alternative		Base BRT Build Alternatives[1]		Buffered Angle Parking		Shattuck-Oxford Loop		Bancroft-Durant Couplet		Two-Way Restricte Bancroft		Telegraph-Dana Couplet	
Int. No.	Main Street	Cross Street	Delay (Seconds)	LOS	Delay (Seconds)	LOS	Delay (Seconds)	LOS	Delay (Seconds)	LOS	Delay (Seconds)	LOS	Delay (Seconds)	LOS	Delay (Seconds)	LOS	Delay (Seconds)	LOS
On-Alignment Intersections																		
1	Shattuck Ave	University Ave (West)	30.1	C	16.3	B	17.9	B	17.9	B	17.9	B	**	**	**	**	**	**
2	Shattuck Ave	University Ave (East)	18.5	B	20.8	C	19.1	C	19.1	B	19.1	B	**	**	**	**	**	**
3	Shattuck Ave	Bancroft Way	19.9	B	12.2	B	8.6	A	21.9	C	12.7	B	19.6	B	13.8	B	**	**
4	Shattuck Ave	Durant Ave	17.0	B	13.7	B	14.4	B	17.5	B	17.5	B	27.0	C	16.8	B	**	**
5	Fulton Street	Bancroft Way	8.5	A	22.5	C	130.9	F	130.9	F	160.9	F	98.7	F	17.2	B	**	**
6	Dana Street	Bancroft Way	0.0	A	9.9	A	5.8	A	**	**	**	**	4.7	A	6.9	A	20.5	C
7	Telegraph Ave	Bancroft Way	21.2	C	24.2	C	20.4	C	**	**	**	**	22.1	C	0.0	A	19.6	B
8	Telegraph Ave	Durant Ave	11.5	B	5.0	A	15.9	B	**	**	**	**	8.7	A	15.0	B	9.1	A
9	Telegraph Ave	Dwight Way	8.0	A	12.4	B	6.4	A	**	**	**	**	6.5	A	6.9	A	5.9	A
10	Dana Street	Durant Ave	7.7	A	12.3	B	7.6	A	**	**	**	**	10.7	B	10.1	B	10.2	B
11	Dana Street	Haste Street	14.5	B	16.8	B	12.3	B	**	**	**	**	7.5	A	10.9	B	15.1	B
12	Dana Street	Dwight Way	8.0	A	13.7	B	11.7	B	**	**	**	**	8.2	A	8.2	A	13.7	B
13	Telegraph Ave	Derby Street	12.1	B	15.0	B	29.6	C	**	**	**	**	**	**	**	**	**	**
14	Telegraph Ave	Ashby Ave	20.7	C	24.4	C	49.3	D	**	**	**	**	**	**	**	**	**	**
15	Telegraph Ave	Woolsey Street	7.9	A	17.6	B	37.3	D	**	**	**	**	**	**	**	**	**	**
Off-Alignment Intersections																		
18	Shattuck Ave	Ashby Ave	32.4	C	38.2	D	35.7	D	**	**	**	**	**	**	**	**	**	**
21	College Ave	Dwight Way	15.4	B	14.4	B	14.6	B	**	**	**	**	**	**	**	**	**	**
22	College Ave	Ashby Ave	22.0	C	23.0	C	23.5	C	**	**	**	**	**	**	**	**	**	**
23	College Ave	Alcatraz Ave	18.3	B	18.0	B	20.0	B	**	**	**	**	**	**	**	**	**	**

[1]Alignment follows: Two-way Shattuck Avenue, Two-way Bancroft, Two-way Telegraph Avenue; 11th and 12th Street Couplet; Two-way International and E.14th Street to Bayfair BART.

**Delay and LOS at this intersection expected to be similar to the Base BRT Build Alternatives.

Cells highlighted in yellow indicate the potential presence of a significant impact.

Appendix A-2b: PM Peak Period Intersection Level of Service: Existing, No-Build, and Build Conditions—City of Berkeley

									Alignment Variation									
			Existing Conditions (2003)		No-Build Alternative		Base BRT Build Alternatives[1]		Buffered Angle Parking		Shattuck-Oxford Loop		Bancroft-Durant Couplet		Two-Way Restricted Bancroft		Telegraph-Dana Couplet	
Int. No.	Main Street	Cross Street	Delay (Seconds)	LOS	Delay (Seconds)	LOS	Delay (Seconds)	LOS	Delay (Seconds)	LOS	Delay (Seconds)	LOS	Delay (Seconds)	LOS	Delay (Seconds)	LOS	Delay (Seconds)	LOS
On-Alignment Intersections																		
1	Shattuck Ave	University Ave (West)	31.7	C	57.5	E	53.7	D	57.8	E	52.6	D	42.2	D	43.4	D	**	**
2	Shattuck Ave	University Ave (East)	47.8	D	67.1	E	61.8	E	60.0	E	62.0	E	39.3	D	41.8	D	**	**
3	Shattuck Ave	Bancroft Way	8.0	A	38.6	D	14.7	B	27.3	C	17.1	B	34.0	C	27.1	C	**	**
4	Shattuck Ave	Durant Ave	23.3	C	48.8	D	50.9	D	41.9	D	44.2	D	59.1	E	67.5	E	**	**
5	Fulton Street	Bancroft Way	9.6	A	24.6	C	115.3	F	115.2	F	163.0	F	189.4	F	29.3	C	**	**
6	Dana Street	Bancroft Way	0.0	A	9.4	A	6.9	A	**	**	**	**	4.2	A	5.5	A	30.0	C
7	Telegraph Ave	Bancroft Way	15.6	B	21.6	C	23.1	C	**	**	**	**	20.5	C	0.0	A	19.3	B
8	Telegraph Ave	Durant Ave	9.9	A	14.4	B	22.6	C	**	**	**	**	7.0	A	11.9	B	25.9	C
9	Telegraph Ave	Dwight Way	12.7	B	9.6	A	26.6	C	**	**	**	**	24.0	C	26.9	C	32.0	C
10	Dana Street	Durant Ave	9.1	A	12.8	B	12.6	B	**	**	**	**	10.9	B	8.6	A	13.8	B
11	Dana Street	Haste Street	11.4	B	12.2	B	11.0	B	**	**	**	**	9.8	A	12.0	B	18.7	B
12	Dana Street	Dwight Way	12.6	B	16.7	B	12.0	B	**	**	**	**	12.9	B	13.9	B	15.3	B
13	Telegraph Ave	Derby Street	14.0	B	24.3	C	41.4	D	**	**	**	**	**	**	**	**	**	**
14	Telegraph Ave	Ashby Ave	33.1	C	41.0	D	52.1	D	**	**	**	**	**	**	**	**	**	**
15	Telegraph Ave	Woolsey Street	12.0	B	24.9	C	51.4	D	**	**	**	**	**	**	**	**	**	**
Off-Alignment Intersections																		
16	Euclid Ave	Hearst Ave	20.5	C	22.0	B	22.5	B	**	**	**	**	**	**	**	**	**	**
17	Shattuck Ave	Dwight Way	34.5	C	96.3	F	95.2	F	**	**	**	**	**	**	**	**	**	**
18	Shattuck Ave	Ashby Ave	32.9	C	30.0	C	31.7	C	**	**	**	**	**	**	**	**	**	**
19	Adeline Street	Ashby Ave	32.8	C	76.0	E	92.7	F	**	**	**	**	**	**	**	**	**	**
20	Adeline Street	Alcatraz Ave	60.9	E	199.2	F	201.6	F	**	**	**	**	**	**	**	**	**	**
21	College Ave	Dwight Way	14.5	B	15.7	B	18.8	B	**	**	**	**	**	**	**	**	**	**
22	College Ave	Ashby Ave	33.8	C	48.9	D	61.3	E	**	**	**	**	**	**	**	**	**	**
23	College Ave	Alcatraz Ave	19.3	B	19.7	B	21.8	C	**	**	**	**	**	**	**	**	**	**

[1]Alignment follows: Two-way Shattuck Avenue, Two-way Bancroft, Two-way Telegraph Avenue; 11th and 12th Street Couplet; Two-way International and E.14th Street to Bayfair BART.

**Delay and LOS at this intersection expected to be similar to the Base BRT Build Alternatives.

Cells highlighted in yellow indicate the potential presence of a significant impact.

Appendix A-3a: AM Peak Period Intersection Level of Service: Existing, No-Build, and Build Conditions—City of Oakland

									Alignment Variation							
			Existing Conditions (2003)		No- Build Alternative		Base BRT Build Alternatives[1]		Into MacArthur BART [2,3]		Jack London Loop [3]		Use 10th Street [3]		International Blvd-12th Street Couplet	
Int. No.	Main Street	Cross Street	Delay (Seconds)	LOS	Delay (Seconds)	LOS	Delay (Seconds)	LOS	Delay (Seconds)	LOS	Delay (Seconds)	LOS	Delay (Seconds)	LOS	Delay (Seconds)	LOS
On-alignment Intersections																
25	Telegraph Ave	Claremont/52nd	32.2	C	19.6	B	25.4	C	**	**	**	**	**	**	**	**
26	Telegraph Ave	51st Street	30.8	C	38.9	D	40.0	D	**	**	**	**	**	**	**	**
28	Telegraph Ave	40th Street	16.5	B	24.0	C	50.5	D	66.5	E	**	**	**	**	**	**
43	International Blvd	29th Ave	15.0	B	22.6	C	39.6	D	**	**	**	**	**	**	**	**
45	International Blvd	35th Ave	15.0	B	26.6	C	48.5	D	**	**	**	**	**	**	**	**
46	International Blvd	42nd Ave	46.4	D	36.8	D	70.3	E	**	**	**	**	**	**	**	**
47	International Blvd	High Street	13.9	B	14.7	B	35.6	D	**	**	**	**	**	**	**	**
50	International Blvd	73rd Ave/Hegenberger	34.7	D	53.2	D	77.1	E	**	**	**	**	**	**	**	**
52	International Blvd	98th Ave	39.4	D	54.9	D	108.7	F	**	**	**	**	**	**	**	**
Off-Alignment Intersections																
53	College Ave	Claremont Ave	36.0	D	51.2	D	69.9	E	**	**	**	**	**	**	**	**
54	Shattuck Ave	55th Street	16.2	B	19.4	B	29.0	C	**	**	**	**	**	**	**	**
68	Foothill Blvd	High Street	14.4	B	15.9	B	16.7	B	**	**	**	**	**	**	**	**

[1] Aignment follows: Two-way Shattuck Avenue, Two-way Bancroft, Two-way Telegraph Avenue; 11th and 12th Street Couplet; Two-way International and E.14th Street to Bayfair BART.

[2] Table only includes data for intersections that were analyzed in AM peak hour.

[3] Alignment variation has been withdrawn from further consideration in the EIS/EIR.

**Delay and LOS at this intersection expected to be similar to the Base BRT Build Alternatives.

Cells highlighted in yellow indicate the potential presence of a significant impact.

Appendix A-3b: PM Peak Period Intersection Level of Service: Existing, No-Build, and Build Conditions—City of Oakland

									Alignment Variation							
			Existing Conditions (2003)		No-Build Alternative		Base BRT Build Alternatives[1]		Into MacArthur BART [3]		Jack London Loop [3]		Use 10th Street [3]		International Blvd-12th Street Couplet	
Int. No.	Main Street	Cross Street	Delay (Seconds)	LOS	Delay (Seconds)	LOS	Delay (Seconds)	LOS	Delay (Seconds)	LOS	Delay (Seconds)	LOS	Delay (Seconds)	LOS	Delay (Seconds)	LOS
On-Alignment Intersections																
24	Telegraph Ave	Alcatraz Ave	57.7	E	52.1	D	134.7	F	**	**	**	**	**	**	**	**
25	Telegraph Ave	Claremont/52nd	11.1	B	13.8	B	21.0	C	**	**	**	**	**	**	**	**
26	Telegraph Ave	51st Street	35.8	D	44.7	D	39.9	D	**	**	**	**	**	**	**	**
27	Telegraph Ave	45th Street/Shattuck Ave	17.3	B	14.6	B	55.6	E	**	**	**	**	**	**	**	**
28	Telegraph Ave	40th Street	30.7	C	48.4	D	117.6	F	112.8	F	**	**	**	**	**	**
29	Telegraph Ave	MacArthur Blvd	23.7	C	59.4	E	99.8	F	112.3	F	**	**	**	**	**	**
30	Telegraph Ave	27th Street	17.3	B	17.9	B	48.2	D	**	**	**	**	**	**	**	**
31	Telegraph Ave	Grand Ave	30.1	C	39.1	D	51.7	D	**	**	**	**	**	**	**	**
32	Telegraph Ave	20th Street	14.3	B	31.6	C	43.9	D	**	**	**	**	**	**	**	**
33	Broadway	20th Street	23.8	C	19.1	B	18.5	B	**	**	**	**	**	**	**	**
34	Broadway	14th Street	14.7	B	22.9	C	24.6	C	**	**	**	**	**	**	**	**
35	Broadway	12th Street	14.5	B	33.1	C	49.0	D	**	**	51.3	D	**	**	**	**
36	Broadway	11th Street	11.8	B	20.8	C	20.4	C	**	**	16.3	B	**	**	**	**
37	International Blvd	1st Ave	20.6	C	94.2	F	41.9	D	**	**	**	**	33.7	C	40.6	D
38	International Blvd	2nd Ave	9.2	A	10.9	B	15.2	B	**	**	**	**	7.2	A	14.8	B
39	East12th Street	14th Ave (East)	13.9	B	15.3	B	15.3	B	**	**	**	**	**	**	49.8	D
40	East12th Street	14th Ave (West)	11.6	B	17.2	B	16.3	B	**	**	**	**	**	**	29.5	C
41	International Blvd	14th Ave	56.7	E	44.2	D	49.5	D	**	**	**	**	**	**	43.5	D
42	International Blvd	23rd Ave	10.4	B	11.1	B	23.0	C	**	**	**	**	**	**	**	**
43	International Blvd	29th Ave	19.8	B	24.1	C	37.0	D	**	**	**	**	**	**	**	**
44	International Blvd	Fruitvale Ave	21.7	C	33.0	C	66.9	E	**	**	**	**	**	**	**	**
45	International Blvd	35th Ave	11.8	B	15.9	B	35.9	D	**	**	**	**	**	**	**	**
46	International Blvd	42nd Ave	36.8	D	48.4	D	119.4	F	**	**	**	**	**	**	**	**

[1] Aignment follows: Two-way Shattuck Avenue, Two-way Bancroft, Two-way Telegraph Avenue; 11th and 12th Street Couplet; Two-way International and E.14th Street to Bayfair BART.

[3] Alignment variation has been withdrawn from further consideration in the EIS/EIR.

**Delay and LOS at this intersection expected to be similar to the Base BRT Build Alternatives.

Cells highlighted in yellow indicate the potential presence of a significant impact.

Appendix A-3b: PM Peak Period Intersection Level of Service: Existing, No-Build, and Build Conditions—City of Oakland (cont.)

									Alignment Variation							
			Existing Conditions (2003)		No-Build Alternative		Base BRT Build Alternatives[1]		Into MacArthur BART [3]		Jack London Loop [3]		Use 10th Street [3]		International Blvd-12th Street Couplet	
Int. No.	Main Street	Cross Street	Delay (Seconds)	LOS	Delay (Seconds)	LOS	Delay (Seconds)	LOS	Delay (Seconds)	LOS	Delay (Seconds)	LOS	Delay (Seconds)	LOS	Delay (Seconds)	LOS
47	International Blvd	High Street	15.7	B	30.3	C	92.8	F	**	**	**	**	**	**	**	**
48	International Blvd	Seminary Ave	19.1	B	44.8	D	160.2	F	**	**	**	**	**	**	**	**
49	International Blvd	66th Ave	14.4	B	21.4	C	45.1	D	**	**	**	**	**	**	**	**
50	International Blvd	73rd Ave/ Hegenberger	42.2	D	73.2	E	121.1	F	**	**	**	**	**	**	**	**
51	International Blvd	82nd Ave	13.4	B	15.7	B	26.9	C	**	**	**	**	**	**	**	**
52	International Blvd	98th Ave	52.5	D	106.0	F	153.3	F	**	**	**	**	**	**	**	**
Off-Alignment Intersections																
53	College Ave	Claremont Ave	57.0	E	37.9	D	53.8	D	**	**	**	**	**	**	**	**
54	Shattuck Ave	55th Street	94.1	F	169.0	F	200.0	F	**	**	**	**	**	**	**	**
55	MLK Way	55th Street	50.1	D	63.5	E	77.6	E	**	**	**	**	**	**	**	**
56	MLK Way	52nd Street	29.8	C	45.5	D	68.7	E	**	**	**	**	**	**	**	**
57	Shattuck Ave	52nd Street	38.1	D	38.0	D	53.3	D	**	**	**	**	**	**	**	**
58	Market Street	35th Street/I-580 EB Ramps	20.8	C	19.5	B	20.4	C	**	**	**	**	**	**	**	**
59	MLK Way	MacArthur Blvd	12.7	B	15.9	B	48.1	D	**	**	**	**	**	**	**	**
60	Broadway	W. Grand Ave	20.4	C	77.6	E	193.2	F	**	**	**	**	**	**	**	**
61	Broadway	8th Street	12.1	B	16.8	B	16.5	B	**	**	13.7	B	**	**	**	**
62	Broadway	5th Street	48.5	D	33.1	C	30.0	C	**	**	47.5	D	**	**	**	**
63	Broadway	7th Street	17.5	B	18.5	B	19.2	B	**	**	22.9	C	**	**	**	**
64	Broadway	6th Street	16.5	B	14.7	B	15.4	B	**	**	17.5	B	**	**	**	**
65	Jackson Street	7th Street	10.5	B	18.6	B	18.0	B	**	**	25.4	C	**	**	**	**
66	Foothill Blvd	14th Ave	7.8	A	7.7	A	7.9	A	**	**	**	**	**	**	**	**
67	Foothill Blvd	Fruitvale Ave	134.2	F	275.6	F	322.8	F	**	**	**	**	**	**	**	**
68	Foothill Blvd	High Street	19.1	B	48.7	D	108.5	F	**	**	**	**	**	**	**	**
69	San Leandro Street	High Street	16.4	B	47.6	D	191.9	F	**	**	**	**	**	**	**	**
70	Bancroft Ave	73rd Ave/ Hegenberger	35.0	C	51.4	D	51.6	D	**	**	**	**	**	**	**	**
71	Bancroft Ave	98th Ave	23.3	C	34.1	C	39.9	D	**	**	**	**	**	**	**	**
72	San Leandro Street	98th Ave	34.2	C	143.1	F	193.9	F	**	**	**	**	**	**	**	**

[1] Aignment follows: Two-way Shattuck Avenue, Two-way Bancroft, Two-way Telegraph Avenue; 11th and 12th Street Couplet; Two-way International and E.14th Street to Bayfair BART.

[3] Alignment variation has been withdrawn from further consideration in the EIS/EIR.

**Delay and LOS at this intersection expected to be similar to the Base BRT Build Alternatives.

Cells highlighted in yellow indicate the potential presence of a significant impact.

Appendix A-4a: AM Peak Period Intersection Level of Service: Existing, No-Build, and Build Conditions—City of San Leandro

			Existing Conditions (2003)		No-Build Alternative		Base BRT Build Alternatives[1]		Terminate at San Leandro BART	
Int. No.	Main Street	Cross Street	Delay (Seconds)	LOS	Delay (Seconds)	LOS	Delay (Seconds)	LOS	Delay (Seconds)	LOS
On-Alignment Intersections										
73	East 14th Street	Durant Ave	14.5	B	17.0	B	46.5	D	+	+
74	East 14th Street	Dutton Ave	25.0	C	56.5	E	127.9	F	+	+
75	East 14th Street	Davis Street/Callan Ave	22.5	C	35.0	C	42.3	D	48.7	D
77	East 14th Street	Estudillo Avenue	11.7	B	19.7	B	39.3	D	17.1	B
Off-Alignment Intersections										
86	Bancroft Ave	Estudillo Avenue	24.8	C	38.2	D	43.4	D	43.4	D

[1] Alignment follows: Two-way Shattuck Avenue, Two-way Bancroft, Two-way Telegraph Avenue; 11th and 12th Street Couplet; Two-way International and E.14th Street to Bayfair BART.

+ Delay and LOS at this intersection expected to be similar to the No-Build Alternative.

Cells highlighted in yellow indicate the potential presence of an adverse effect.

Appendix A-4b: PM Peak Period Intersection Level of Service: Existing, No-Build, and Build Conditions—City of San Leandro

			Existing Conditions (2003)		No-Build Alternative		Base BRT Build Alternatives[1]		Terminate at San Leandro BART	
Int. No.	Main Street	Cross Street	Delay (Seconds)	LOS	Delay (Seconds)	LOS	Delay (Seconds)	LOS	Delay (Seconds)	LOS
On-Alignment Intersections										
73	East 14th Street	Durant Ave	18.0	B	31.4	C	51.1	D	+	+
74	East 14th Street	Dutton Ave	43.9	D	172.0	F	217.9	F	+	+
75	East 14th Street	Davis Street/Callan Ave	23.7	C	27.3	C	45.5	D	53.2	D
76	San Leandro Blvd	Davis Street	30.4	C	35.5	D	38.0	D	38.2	D
77	East 14th Street	Estudillo Ave	18.9	B	22.8	C	31.5	C	16.5	B
78	East 14th Street	San Leandro Blvd	15.2	B	42.2	D	52.0	D	+	+
79	East 14th Street	136th Ave	13.0	B	19.5	B	43.3	D	+	+
80	East 14th Street	143rd Ave	13.8	B	18.8	B	72.5	E	+	+
81	East 14th Street	Bancroft Ave/Hesperian Blvd	22.6	C	18.2	B	44.9	D	+	+
82	East 14th Street	150th Ave	24.3	C	30.2	C	64.9	E	+	+
83	East 14th Street	Fairmont Drive	52.4	D	66.2	E	194.5	F	+	+
Off-Alignment Intersections										
84	Bancroft Ave	Dutton Ave	23.6	C	70.0	E	59.7	E	+	+
85	Bancroft Ave	Callan Ave	32.9	C	32.4	C	31.4	C	31.4	C
86	Bancroft Ave	Estudillo Ave	41.6	D	44.4	D	47.1	D	47.1	D
87	Washington Ave	Halcyon Drive	47.1	D	62.5	E	51.8	D	+	+
88	Hesperian Blvd	150th Ave	15.3	B	13.8	B	33.4	C	+	+

[1] Alignment follows: Two-way Shattuck Avenue, Two-way Bancroft, Two-way Telegraph Avenue; 11th and 12th Street Couplet; Two-way International and E.14th Street to Bayfair BART.

+ Delay and LOS at this intersection expected to be similar to the No-Build Alternative.

Cells highlighted in yellow indicate the potential presence of a significant impact

Appendix A-5a: Build (East Bay BRT) Versus No Build Roadway Conditions – PM Peak Hour, City of Berkeley (2025)

	Northbound/Eastbound									Southbound/Westbound								
	Volume from Model		Volume Change		LOS		V/C		V/C Change	Volume from Model		Volume Change		LOS		V/C		V/C Change
Roadway Segment	No-Build	BRT	Number	%	No-Build	BRT	No-Build	BRT	> 5%	No-Build	BRT	Number	%	No-Build	BRT	No-Build	BRT	> 5%
On-Alignment Arterials																		
Telegraph Ave – south of Dwight	1,337	307	-1,030	-77.0%	D	D	0.78	0.38	No	1,581	922	-659	-41.7%	E	F	0.92	1.14	Yes
Off-Alignment Arterials																		
Ashby Ave – west of Telegraph	824	849	25	3.0%	D	D	0.48	0.49	No	571	665	94	16.5%	D	E	0.70	0.82	Yes
Ashby Ave – east of Telegraph	827	825	-2	-0.2%	F	F	1.02	1.02	No	486	499	13	2.7%	D	D	0.60	0.62	No
Tunnel Road – west of SR 24	1,232	1,218	-14	-1.1%	F	F	1.52	1.50	No	1,033	1,076	43	4.2%	F	F	1.28	1.33	No
Dwight Way – east of Shattuck	874	1,319	445	50.9%	D	D	0.51	0.77	Yes	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Dwight Way – east of Telegraph	904	1,078	174	19.2%	D	D	0.53	0.63	Yes	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Shattuck Ave – south of University	1,240	1,133	-107	-8.6%	D	D	0.72	0.66	No	715	551	-164	-22.9%	D	C	0.42	0.32	No
Shattuck Ave – south of Dwight	1,857	2,148	291	15.7%	F	F	1.03	1.19	Yes	2,463	2,678	215	8.7%	F	F	1.37	1.49	Yes
MLK – south of University	1,354	1,354	0	0.0%	D	D	0.79	0.79	No	1,179	1,196	17	1.4%	D	D	0.69	0.70	No
MLK – south of Dwight	1,120	1,291	171	15.3%	D	D	0.65	0.75	Yes	1,367	1,442	75	5.5%	D	D	0.79	0.84	No
Adeline – south of Alcatraz	1,849	2,213	364	19.7%	D	D	0.72	0.86	Yes	2,748	3,010	262	9.5%	F	F	1.07	1.17	Yes
San Pablo Ave – north of Ashby	2,092	2,089	-3	-0.1%	F	F	1.16	1.16	No	2,389	2,408	19	0.8%	F	F	1.33	1.34	No
College – south of Dwight	404	491	87	21.5%	D	D	0.50	0.61	Yes	778	923	145	18.6%	E	F	0.96	1.14	Yes

[ ] = Impact exceeding locally established standards.

Appendix A-5b: Build (East Bay BRT) Versus No Build Roadway Conditions – PM Peak Hour, City of Oakland (2025)

	Northbound/Eastbound									Southbound/Westbound								
	Volume from Model		Volume Change		LOS		V/C		V/C Change	Volume from Model		Volume Change		LOS		V/C		V/C Change
Roadway Segment	No-Build	BRT	Number	%	No-Build	BRT	No-Build	BRT	> 5%	No-Build	BRT	Number	%	No-Build	BRT	No-Build	BRT	> 5%
On-Alignment Arterials																		
Telegraph Ave – south of Alcatraz	1,469	820	-649	-44.2%	D	F	0.85	1.01	Yes	1,749	986	-763	-43.6%	F	F	1.02	1.22	Yes
Telegraph Ave – south of 51st	630	562	-68	-10.8%	C	C	0.37	0.33	No	361	185	-176	-48.8%	C	C	0.21	0.23	No
Telegraph Ave – south of MacArthur	349	324	-25	-7.2%	C	D	0.20	0.40	Yes	187	177	-10	-5.3%	C	C	0.11	0.22	Yes
Telegraph Ave – south of Grand	972	555	-417	-42.9%	D	D	0.57	0.69	Yes	508	481	-27	-5.3%	C	D	0.30	0.59	Yes
Broadway – south of Telegraph	141	141	0	0.0%	C	C	0.08	0.08	No	166	162	-4	-2.4%	C	C	0.10	0.09	No
11th Street – west of Jackson	1,706	1,505	-201	-11.8%	D	D	0.51	0.88	Yes	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
12th Street – west of Jackson	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	520	500	-20	-3.8%	C	C	0.16	0.29	Yes
International Blvd – east of Lakeshore	179	161	-18	-10.1%	C	C	0.10	0.20	Yes	83	78	-5	-6.0%	C	C	0.05	0.10	No
International Blvd – east of 23rd	312	226	-86	-27.6%	C	C	0.18	0.28	Yes	129	113	-16	-12.4%	C	C	0.08	0.14	Yes
International Blvd – east of High	1,713	1,009	-704	-41.1%	E	F	1.00	1.25	Yes	1,127	814	-313	-27.8%	D	F	0.66	1.00	Yes
International Blvd – east of 73rd	1,400	867	-533	-38.1%	D	F	0.81	1.07	Yes	608	459	-149	-24.5%	C	D	0.35	0.57	Yes
Off-Alignment Arterials																		
Shattuck Ave – south of Alcatraz	703	736	33	4.7%	E	E	0.87	0.91	No	770	808	38	4.9%	E	E	0.95	1.00	No
MLK – south of 40th	327	404	77	23.5%	C	C	0.19	0.23	No	369	536	167	45.3%	C	C	0.21	0.31	Yes
San Pablo Ave – north of Grand	1,049	1,160	111	10.6%	D	D	0.61	0.67	Yes	435	444	9	2.1%	C	C	0.25	0.26	No

	Northbound/Eastbound									Southbound/Westbound								
	Volume from Model		Volume Change		LOS		V/C		V/C Change	Volume from Model		Volume Change		LOS		V/C		V/C Change
Roadway Segment	No-Build	BRT	Number	%	No-Build	BRT	No-Build	BRT	> 5%	No-Build	BRT	Number	%	No-Build	BRT	No-Build	BRT	> 5%
Broadway – south of 51st	1,681	1,640	-41	-2.4%	D	D	0.65	0.64	No	317	302	-15	-4.7%	C	C	0.12	0.12	No
Broadway – south of MacArthur	1,305	1,263	-42	-3.2%	D	D	0.51	0.49	No	269	267	-2	-0.7%	C	C	0.10	0.10	No
Brush Street – south of 12th	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	1,411	1,371	-40	-2.8%	C	C	0.52	0.51	No
Castro Street – south of 12th	1,009	989	-20	-2.0%	C	C	0.37	0.36	No	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Grand Ave – west of Telegraph	1,464	1,481	17	1.2%	D	D	0.85	0.86	No	1,690	1,560	-130	-7.7%	E	E	0.98	0.91	No
Grand Ave – east of Telegraph	1,351	1,372	21	1.6%	D	D	0.79	0.80	No	1,005	1,269	264	26.3%	D	D	0.58	0.74	Yes
San Leandro Street – east of 73rd	1,592	1,694	102	6.4%	E	E	0.93	0.98	Yes	911	1,054	143	15.7%	D	D	0.53	0.61	Yes
Bancroft Ave – east of 73rd	1,180	1,278	98	8.3%	D	D	0.69	0.74	Yes	552	585	33	6.0%	C	C	0.32	0.34	No
Off-Alignment Freeways																		
I-880 – south of Oak	7,028	7,066	38	0.5%	D	D	0.84	0.85	No	8,910	8,965	55	0.6%	F	F	1.07	1.08	No
I-980 – north of Grand	6,812	6,820	8	0.1%	C	C	0.65	0.65	No	3,719	3,812	93	2.5%	B	B	0.45	0.46	No
I-580 – east of SR 24	9,237	9,237	0	0.0%	D	D	0.88	0.88	No	6,004	6,047	43	0.7%	C	C	0.57	0.58	No
I-580 – east of SR 13	9,262	9,226	-36	-0.4%	F	F	1.11	1.11	No	8,393	8,504	111	1.3%	F	F	1.01	1.02	No
SR 24 – west of SR 13	8,682	8,725	43	0.5%	F	F	1.04	1.05	No	4,620	4,607	-13	-0.3%	C	C	0.56	0.55	No
SR 24 – west of MLK	8,137	8,038	-99	-1.2%	E	E	0.98	0.97	No	5,006	4,986	-20	-0.4%	C	C	0.60	0.60	No

= Impact exceeding locally established standards.

Appendix A-5c: Build (East Bay BRT) Versus No Build Roadway Conditions – PM Peak Hour, City of San Leandro (2025)

	Northbound/Eastbound									Southbound/Westbound								
	Volume from Model		Volume Change		LOS		V/C		V/C Change	Volume from Model		Volume Change		LOS		V/C		V/C Change
Roadway Segment	No-Build	BRT	Number	%	No-Build	BRT	No-Build	BRT	> 5%	No-Build	BRT	Number	%	No-Build	BRT	No-Build	BRT	> 5%
On-Alignment Arterials																		
East 14th Street – east of Durant	981	819	-162	-16.5%	F	F	1.21	1.01	No	778	800	22	2.8%	E	E	0.96	0.99	No
East 14th Street– east of Estudillo	641	510	-131	-20.4%	C	C	0.37	0.30	No	282	283	1	0.4%	C	C	0.16	0.16	No
East 14th Street – west of 150th	2,130	1,377	-753	-35.4%	F	F	1.24	1.70	Yes	852	817	-35	-4.1%	D	F	0.50	1.01	Yes
Off-Alignment Arterials																		
San Leandro Blvd – east of Broadmoor	1,090	1,179	89	8.2%	D	D	0.63	0.69	No	543	619	76	14.0%	C	C	0.32	0.36	No
Bancroft Ave – east of Durant	693	699	6	0.9%	E	E	0.86	0.86	No	716	704	-12	-1.7%	E	E	0.88	0.87	No
Off-Alignment Freeways																		
I-580 – east of Estudillo	8,841	9,056	215	2.4%	F	F	1.06	1.09	No	7,845	8,056	211	2.7%	E	E	0.94	0.97	No
I-880 – south of Davis	8,175	8,257	82	1.0%	D	D	0.78	0.79	No	9,406	9,751	345	3.7%	D	E	0.90	0.93	No

[ ] = Impact exceeding locally established standards.

Source: *Technical Memorandum: Screening Analysis of MTS Roadways*, Cambridge Systematics, Inc., November 2005

Appendix B List of Preparers

Federal Transit Administration (FTA)

Renee Marler, Regional Counsel, Region IX.

A. Joseph Ossie, Environmental Protection Specialist, FTA Headquarters.

Paul Page, Office of Planning and Program Management, Region IX.

Raymond Sukys, Director, Office of Planning and Program Development, Region IX.

Alameda-Contra Costa Transit District (AC Transit) Oversight Staff

Jim Cunradi, AICP, Senior Transportation Planner and AC Transit East Bay BRT Project Manager.

Ross Maxwell, Special Projects Manager.

Tina Spencer, Long-Range Planning Manager.

Preparers

Parsons

Jeffrey Allen, A.I.C.P., Principal Transportation Planner. Masters of City and Regional Planning. Over 22 years of experience in transportation planning. He was project manager for conceptual engineering and the environmental studies and assisted in preparation of Chapter 2, Description of Alternatives, and Chapter 3, Transportation Analysis.

Richard Bottcher, P.E., Senior Hydraulics Supervisor. M.S. and B.S. Civil Engineering; 22 years experience in water resource engineering. He prepared the water quality, storm water, hydrology, and floodplains technical studies for the document.

Pat M. Gelb, Environmental Manager/Planning Manager. M.A., Literature; over 30 years of experience in the transportation planning, preparation and processing of environmental documents and permitting for FTA, FHWA, Caltrans, and other state and local agencies. She directed the environmental review process.

Areg Gharabegian, P.E., Noise and Vibration Department Manager. M.S., Environmental Energy and Resources; over 25 years of experience in conducting noise and vibration studies and monitoring for large scale and complex transportation projects. He directed the noise study.

Kim Franchi, P.E., Engineering Manager. B.S.E., Civil Engineering; 24 years experience in the planning and design of highway and transportation facilities. He was responsible for engineering design and development and evaluation of alternatives.

Jeanne Hazemoto, Supervisor of Word Processing; 15 years experience in the production of publications. She was responsible for document preparation.

M. Kate Lewis, Environmental Planner. B.A., Anthropology with an emphasis in environmental studies; nine years of experience in technical writing and publications management with four years experience in environmental planning. She prepared the summary, noise, air quality, and biology sections, and contributed to the purpose and need and project description sections.

Mussie Manna, Transportation Planner. Four years of experience in transportation planning and engineering. He conducted the field surveys and did CAD for the project.

Martin Meyer, Senior Scientist. M.S. Physics; five years of experience in acoustical research, and conducting noise and vibration studies and abatement recommendations. He conducted the noise analysis and prepared the noise study report for this project.

Karla J. Nicholas, Environmental Planning Manager/Document Coordinator. Land Use and Environmental Planning Certificate Program; Over 25 years of experience in environmental and transportation planning. She prepared the visual/aesthetics section and supervised preparation of the land use and community impact sections.

Ljubica B. Osgood, Graphics Designer. B.F.A., over 30 years of experience in the design of graphics and presentation materials for engineering, environmental and transportation planning projects. She was responsible for graphics and production.

Nancy Park, Senior Technical Writer. Ph.D., History and East Asian Languages; ten years of university teaching and research; five years of experience in educational consulting, fundraising, and technical writing. She prepared the cultural, geology and seismic, hazardous wastes, hydrology and floodplains, and storm water sections of the environmental document and contributed to the purpose and need and project description sections.

Craig Richey, Assistant Planner. B.A., Literature; three years of experience in environmental and transportation planning. He was responsible for the land use, community impacts, and farmlands sections and prepared the Community Impact Assessment.

John Selin, P.E., Engineering Manager. B.S. Civil Engineering; licensed professional engineer with over 35 years of experience. He supervised conceptual engineering and capital cost estimating. He wrote the Alameda-Contra Costa Transit District East Bay Bus Rapid Transit Conceptual Engineering Project Report and prepared the utilities and construction staging sections.

Alan Shapiro, P.E., Water Resource Engineer. B.S. in Civil Engineering, with seven years of experience in water resources. He assisted in preparing the Storm Water Data Report.

Gui Shearin, Principal Transportation Planner. Ph.D., Transportation Engineering and Economics; over four years of experience in transportation engineering and planning. He prepared the growth inducement and energy sections of the document and performed the evaluation of alternatives.

Kanokporn Siripipatmoncol, Document Coordinator. B.S. in Business Administration, with one year of experience. She assisted in preparing the environmental document.

Indu Sreedevi, E.I.T., Transportation Planner. M.S. Transportation Engineering, with five years of experience in transportation engineering and planning. She prepared the growth inducement and energy sections of the document.

AGS, Inc. Consulting Engineers

Bahram Khamenehpour, Geotechnical Engineer. Ph.D. Over 23 years of experience in geotechnical, engineering, and hazardous materials management and engineering. He prepared the geotechnical and environmental reports for the project.

Mikko Valkonen, Staff Geologist. Over 15 years of experience in geologic and hazardous materials assessment. He contributed to the geotechnical and environmental reports for the project.

Douglas Herold, Staff Geologist. Over 10 years of experience in geologic and hazardous materials assessment. He contributed to the geotechnical and environmental reports for the project.

Archaeological/Historical Consultants

Suzanne Baker, Principal Investigator. M.A., Anthropology/Archaeology; ROPA certified; 29 years of field experience in California archaeology. She prepared the Archaeological Survey Report and Site Treatment Plan.

Michael Smith, Archaeological Technician. 25 years of field experience in California archaeology. He served as archaeological technical staff for the Archaeological Survey Report.

Cambridge Systematics, Inc.

Andrew Tang, Senior Associate. M.S. Equivalent, Transportation Engineering, M.S., Engineering Management, Ph.D., Physics; seven years of experience conducting transit planning and evaluation studies. He was the consultant team project manager and supervised the overall technical analysis, alternatives development and evaluation, and public and stakeholder outreach efforts.

Erik Cempel, Associate. Master's degree in Transportation Engineering; several years of experience in transportation planning and modeling. He performed transit ridership analysis for this project and presented at several outreach meetings.

George Mazur, Senior Associate. P.E., M.S., Engineering; 13 years of experience in transit planning and traffic analysis. He supervised the traffic analysis and prepared the Traffic Analysis Report.

Shruti Malik, Senior Professional. M.S., Transportation Engineering; experience in transit planning, simulation modeling and traffic engineering. She conducted the Vissim traffic microsimulation analysis for this project.

Charl Everson, Transportation Planner. Master's degree in Transportation Planning; 4 years of experience in regional and state transportation planning and traffic analysis. Mr. Everson and Ms. Peart conducted the Synchro intersection analysis for this project.

Elizabeth Peart, Senior Associate, M.S., Transportation/Civil Engineering; several years of experience in traffic engineering and analysis. Ms. Peart and Mr. Everson conducted the Synchro intersection analysis for this project.

CirclePoint

Kevin Maggay, Associate Environmental Planner, B.A., Environmental Studies; three years of experience preparing environmental documents and visual studies. He prepared the Visual Impact Assessment.

Scott Steinwert, Principal Environmental Planner. B.A., Biology; over 15 years of experience preparing environmental documents and conducting visual studies. He directed the Visual Impact Assessment.

Ben Strumwasser, Principal. M.S., Political Science; over 16 years of experience implementing public participation programs for public agencies. He supervised the development of newsletters and brochures.

Dowling Associates, Inc.

Damian Stefanakis, Principal. Master's degree in Transportation Engineering; 18 years of experience in transportation planning and travel demand forecast modeling. He developed the travel demand model for this project and developed transit ridership forecasts.

FMG Architects

Ron Finger, RA and Principal-in-Charge. Over 25 years of broad architectural design experience and an extensive background in transportation related projects and station design. He provided the project oversight for the development of the station architecture, urban design, cost estimating, and graphic presentations for this document.

Michael D. Morris, Urban Designer and Project Manager. Over 20 years of experience in transportation and urban design projects, he developed the prototypical station design concepts, provided cost estimates for the architectural portions of the stations, participated in the urban design evaluation and report, and directed the production of photosimulations and graphics for the project.

Mark Wong, designer and technical expert in the development of architectural design presentations and graphics, prepared the photosimulations and graphics for this document.

Hausrath Economics Group

Linda Hausrath, President. M.B.A., Urban Economics and Real Estate; over 20 years of experience in urban and land use economics. She managed and prepared portions of the land use analysis for this project including preparation of the updated land use database of existing conditions and future growth in the BRT project corridor.

Andrew Delaney, Urban Economist, Master of City Planning; over 12 years experience as city planner and urban economist. He completed portions of the land use analysis for this project working with Ms. Hausrath.

John T. Warren and Associates

Blake Clark, Civil Engineer. He performed the field surveys of utilities for the project.

Maria Melendez, CADD/Engineer. She assisted with the field surveys of utilities and documentation.

JRP Historical Consulting Services

Rand Herbert, Principal, Historian and Project Manager. M.A.T., History; over 25 years experience conducting historical research and cultural resources management projects, including extensive field recordation of historic properties throughout the state of California. He consulted on the development of the APE, provided overall guidance and edited the report.

Toni Webb, Architectural Historian II. B.F.A., Historic Preservation; over six years experience in public history and historic preservation. She was the project manager/lead historian for the project. She directed research and field survey crews, data management and graphics production, preparation of the contextual statement and evaluations, and prepared building descriptions and evaluations, as well as edited forms.

Más Marketing

Pilar Montoya, President. B.A. Communications; over 20 years of experience in public relations and community outreach. She supervised and facilitated the scoping meetings and public hearings for this project.

Anna Vue, Account Manager. B.A. Communications Studies and Public Relations. She organized and managed the scoping meetings and public hearings for this project.

Nelson\Nygaard Consulting Associates

Bonnie Nelson, Senior Partner. B.S., Civil Engineering - Transportation; almost 20 years of experience in transit operations and management. She supervised transit operations analysis and prepared the Operating Plan and Cost Technical Memorandum.

Jay Primus, Associate Planner. B.S., Geography. Three years of experience in transportation planning. He conducted transit operations analysis for this project.

Terry A. Hayes Associates LLC

Teresa Li, AICP, Senior Planner. M.A., Urban Studies and Planning; six years of experience in planning, specializing in noise and air quality. She is responsible for the air quality analyses and technical report.

Bob Stark, AICP, Senior Associate. Master of City and Regional Planning, seven years of experience in planning. He is responsible for reviewing the air quality analysis and technical report.

[THIS PAGE INTENTIONALLY LEFT BLANK]

Appendix C Distribution List

Elected Federal Officials

Members of the U.S. Senate:

The Honorable Barbara Boxer
United States Senator
1700 Montgomery Street, Suite 240
San Francisco, CA 94111

The Honorable Dianne Feinstein
United States Senator
One Post Street, Suite 2450
San Francisco, CA 94104

Members of the House:

The Honorable Barbara Lee
United States Representative
1301 Clay Street, Suite 1000 North
Oakland, CA 94612

The Honorable Nancy Pelosi
United States Representative
450 Golden Gate Avenue, 14th Floor
San Francisco, CA 94102

The Honorable Fortney Pete Stark
United States Representative
39300 Civic Center Drive, Suite 220
Fremont, CA 94538

Elected State Officials

Governor:

Arnold Schwarzenegger, Governor
455 Golden Gate Avenue
Suite 14000
San Francisco, CA 94102

Members of the State Senate:

The Honorable Ellen Corbett
Member of the Senate
1057 MacArthur Blvd.
Suite 206
San Leandro, CA 94577

The Honorable Don Perata
Member of the Senate
9th District
1515 Clay Street, Suite 2202
Oakland, CA 94612

Members of the State Assembly:

The Honorable Sandre Swanson
Member of the Assembly
16th District
1515 Clay Street, Suite 2204
Oakland, CA 94612

The Honorable Loni Hancock
Member of the Assembly
14th District
712 El Cerrito Plaza
El Cerrito, CA 94530

The Honorable Mary Hayashi
Member of the Assembly
18th District
22320 Foothill Boulevard, Suite 540
Hayward, CA 94541

Elected Local Officials

County Board of Supervisors:

Supervisor Alice-Lai Bitker
Board of Supervisors, Alameda County
District 3
1221 Oak Street, Suite 536
Oakland, CA 94612

Supervisor Keith Carson, President
Board of Supervisors, Alameda County
District 5
1221 Oak Street, Suite 536
Oakland, CA 94612

Supervisor Nate Miley
Board of Supervisors, Alameda County
District 4
1221 Oak Street, Suite 536
Oakland, CA 94612

Supervisor Gail Steele
Board of Supervisors, Alameda County
District 2
1221 Oak Street, Suite 536
Oakland, CA 94612

Mayors:

The Honorable Tom Bates, Mayor
City of Berkeley
2180 Milvia Street
Berkeley, CA 94704

The Honorable Ron Dellums, Mayor
City of Oakland
One Frank H. Ogawa Plaza, 2nd Floor
Oakland, CA 94612

The Honorable Michael Sweeney, Mayor
City of Hayward
777 B Street
Hayward, CA 94541-5007

The Honorable Beverly Johnson, Mayor
City of Alameda
Alameda City Hall
2263 Santa Clara Avenue
Alameda, CA 94501

The Honorable Anthony Santos, Mayor
City of San Leandro
835 East 14th Street
San Leandro, CA 94577

Councilmembers:

Councilmember Maxwell Anderson
District 3, City of Berkeley
2180 Milvia Street
Berkeley, CA 94704

Councilmember Michael J. Gregory
District 1, City of San Leandro
1648 Daniels Drive
San Leandro, CA 94577

Councilmember Desley Brooks
District 6, City of Oakland
One Frank Ogawa Plaza, 2nd Floor
Oakland, CA 94612

Councilmember Jane Brunner
District 1, City of Oakland
One Frank H. Ogawa Plaza, 2nd Floor
Oakland, CA 94612

Councilmember Laurie Capitelli
District 5, City of Berkeley
2180 Milvia Street
Berkeley, CA 94704

Councilmember Henry Chang Jr.
(At-Large) City of Oakland
One Frank Ogawa Plaza, 2nd Floor
Oakland, CA 94612

Councilmember Ignacio De La Fuente
District 5, City of Oakland
One Frank Ogawa Plaza, 2nd Floor
Oakland, CA 94612

Councilmember Surlene G. Grant
District 2, City of San Leandro
835 East 14th Street
San Leandro, CA 94577

Councilmember Patricia Kernighan
District 2, City of Oakland
One Frank H. Ogawa Plaza, 2nd Floor
Oakland, CA 94612

Councilmember Linda Maio
District 1, City of Berkeley
2180 Milvia Street
Berkeley, CA 94704

Coucilmember Darryl Moore
District 2, City of Berkeley
2180 Milvia Street
Berkeley, CA 94704

Councilmember Nancy Nadel
District 3, City of Oakland
One Frank H. Ogawa Plaza, 2nd Floor
Oakland, CA 94612

Coucilmember Betty Olds
District 6, City of Berkeley
2180 Milvia Street
Berkeley, CA 94704

Coucilmember Jim Prola
District 6, City of San Leandro
2234 Belvedere Avenue
San Leandro, CA 94577

Coucilmember Jean Quan
District 4, City of Oakland
One Frank Ogawa Plaza, 2nd Floor
Oakland, CA 94612

Councilmember Laurence E. Reid
District 7, City of Oakland
One Frank Ogawa Plaza, 2nd Floor
Oakland, CA 94612

Coucilmember Diana Souza
District 3, City of San Leandro
PO Box 1976
San Leandro, CA 94577

Councilmember Dona Spring
District 4, City of Berkeley
2180 Milvia Street
Berkeley, CA 94704

Coucilmember Joyce Starosciak
District 4, City of San Leandro
15208 Ranger Rd.
San Leandro, CA 94579

Councilmember Bill Stephens
District 5, City of San Leandro
741 Lee Avenue
San Leandro, CA 94577

Councilmember Kriss Worthington
District 7, City of Berkeley
2180 Milvia Street
Berkeley, California 94704

Councilmember Gordon Wozniak
City Council District 8, Berkeley
City of Berkeley
2180 Milvia Street
Berkeley, CA 94704

Federal Agencies

Environmental Protection Agency
Region IX
Federal Activities Office, CMD-2
75 Hawthorne Street
San Francisco, CA 94105-3901

Department of Housing &
Urban Development
Environmental Clearance Officer
John E. Moss Federal Building
650 Capitol Mall, Suite 4-200
Sacramento, CA 95814

Federal Highway Administration,
Gene Fong, Division Administrator
650 Capitol Mall, Suite 4-100
Sacramento, CA 95814

Federal Railroad Administration
Alvin L. Settje, Regional Administrator
801 I Street − Suite 466
Sacramento, CA 95814

National Park Service – Pacific West Region
Regional Director
1111 Jackson Street, Suite 700
Oakland, CA 94607

Natural Resources Conservation Service
5552 Clayton Road
Concord, CA 94521

U.S. Fish and Wildlife Service
Sacramento, Field Office
2800 Cottage Way, Room W-2605
Sacramento, CA 95825

Distributed by the U.S. Department of the Interior:

DOI Regional Environmental Officer
Office of Environmental Policy and
Compliance, Oakland Region
Jackson Center One
1111 Jackson Street, Suite 520
Oakland, CA 94607

Department of Health and Human Services
Tom Lorentzen, Regional Director
50 United Nations Plaza, Room 431,
San Francisco, CA 94102

Federal Emergency Management Agency,
Region IX
Kim Walz, Public Affairs Officer
1111 Broadway, Suite 1200
Oakland, CA 94607

U.S. Army Corps of Engineers,
San Francisco, District
Attention: CESPN-CO-R
333 Market Street, 8th floor
San Francisco, CA 94105-2197

U.S. Department of Energy
Director
Office of Environmental Compliance
1000 Independence Avenue, SW, Rm. 4G-064
Washington, DC 20585

U.S. Department of the Interior
Director
Office of Environmental Policy and
Compliance
Main Interior Building, MS-2340
1849 C Street, NW
Washington, DC 20240

U.S. Geological Survey
National Center
12201 Sunrise Valley Drive
Reston, VA 22092

State Agencies

Business, Transportation and Housing Agency
Dale E. Bonner, Secretary
980 9th Street, Suite 2450
Sacramento, CA 95814-2719

California Department of Transportation
District Branch Chief, IGR/CEQA
P.O. Box 23660
Oakland, CA 94623-0660

California Highway Patrol
3601 Telegraph Avenue
Oakland, CA 94609

California Public Utilities Commission
Executive Director
505 Van Ness Avenue
San Francisco, CA 94102

California Transportation Commission
1120 N Street, Room 2221 (MS-52)
Sacramento, CA 95814

Native American Heritage Commission, Chair
915 Capitol Mall, Room 364
Sacramento, CA 95814

Regional Water Quality Control Board
San Francisco Bay Region
1515 Clay Street, Suite 1400
Oakland, CA 94612

University of California, Berkeley
Jennifer Lawrence
Capital Projects, UC Facilities Services
1936 University Avenue, Suite 300
Berkeley, CA 94704

University of California, Berkeley
Emily Marthinsen
Assistant Vice Chancellor, Physical and
Environmental Planning
300 A&E Building
Berkeley, CA 94720-1382

State Clearinghouse, Executive Officer
Office of Planning and Research
1400 Tenth Street, Room 156
Sacramento, CA 95814

Distributed by the State Clearinghouse:

California Air Resources Board
Executive Officer
1001 I Street
P.O. Box 2815
Sacramento, CA 95812

California Department of Conservation
Director
801 K Street, MS 24-01
Sacramento, CA 95814

California Department of Fish & Game
Ryan Broddrick, Director
1416 Ninth Street, 12th Floor
Sacramento, CA 95814

California Department of Health Services
Director's office
MS 0000
P.O. Box 997413
Sacramento, CA 95899-7413

California Department of Parks & Recreation
Director
1416 Ninth Street, Rm 1405
Box 9428
Sacramento, CA 95814

California Energy Resources Commission
Executive Director
Environmental Office
1516 Ninth Street, MS 39
Sacramento, CA 95814

Department of General Services
Environmental Planning
Ziggurat Building
707 Third Street
West Sacramento, CA 95605-2811

Department of Housing & Community
Development Director
1800 Third Street, Suite 450
Sacramento, CA 95814

Department of Water Resources
Director
1416 9th Street, Rm 1151-1
Sacramento, CA 95814-3500

Integrated Waste Management Board
Executive Officer
1001 I Street
P.O. Box 4025
Sacramento, CA 95812-4025

State Water Resources Control Board
Executive Director
1001 I Street
P.O. Box 100
Sacramento, CA 95814

Regional Agencies

Association of Bay Area Governments
Jennifer Krebs, Sr. Environmental Planner
P.O. Box 2050
Oakland, CA 94604-2050

Bay Area Air Quality Management District
Executive Director
939 Ellis Street
San Francisco, CA 94109

Bay Area Rapid Transit District
Marianne Payne,
Planning Department Manager
800 Madison Street, Box 12688
Oakland, CA 94604-2688

East Bay Municipal Utility District
General Manager
357 11th Street, Box 24055
Oakland, CA 94607

East Bay Regional Park District
Pat O'Brien, General Manager
2950 Peralta Oaks Court, Box 5381
Oakland, CA 94605-5381

Metropolitan Transportation Commission
Steve Heminger, Executive Director
101 Eighth Street – Metrocenter
Oakland, CA 94607

County and City Agencies

Alameda County
Crystal Hishida, County Clerk
1221 Oak Street, Room 536
Oakland, CA 94612

Alameda County Congestion Management
Agency
Dennis Fay, Executive Director
1333 Broadway, Suite 220
Oakland, CA 94612

Alameda County Congestion Management
Agency
Frank Furger, Chief Deputy Director
1333 Broadway, Suite 220
Oakland, CA 94612

Alameda County Congestion Management Agency
Jean Hart, Deputy Director, Planning
1333 Broadway, Suite 220
Oakland, CA 94612

Alameda County Flood Control and Water Conservation District
399 Elmhurst Street
Hayward, CA 94544-1395

Alameda County Planning Commission Clerk
399 Elmhurst Street
Hayward, CA 94544

Alameda County Planning Department Director
399 Elmhurst Street, Room 136
Hayward, CA 94544

Alameda County Public Works Director
399 Elmhurst Street
Hayward, CA 94544-1395

Alameda County Transportation Planning Manager
399 Elmhurst Street
Hayward, CA 94544

Alameda County Transportation Authority
Arthur Dau, Deputy Director
426 17th Street, Suite 100
Oakland, CA 94612-2814

Alameda County Transportation Authority
Christine Monsen, Executive Director
426 17th Street, Suite 100
Oakland, CA 94612-2814

City of Berkeley
Claudette Ford, Director of Public Works
2180 Milvia Street
Berkeley, CA 94704

City of Berkeley
Dan Marks, Director
Planning and Development
2120 Milvia Street
Berkeley, CA 94704

City of Berkeley
Peter Hillier, Assistant City Manager for Transportation
Office of Transportation
1947 Center Street, 3rd Floor
Berkeley, CA 94704

City of Berkeley
Philip Kamlarz, City Manager
2180 Milvia Street
Berkeley, CA 94704

City of Oakland
Claudia Cappio, Planning Director
One Frank H. Ogawa Plaza
Oakland, CA 94612

City of Oakland
Deborah Edgerly, City Administrator
One Frank H. Ogawa Plaza
Oakland, CA 94612

City of Oakland
Natalie Chakoff Fay
Senior Transportation Planner
250 Frank H. Ogawa Plaza, Suite 3315
Oakland, CA 94612

City of Oakland
Raul Godinez, Director of Public Works
250 Frank H. Ogawa Plaza, Suite 4314
Oakland, CA 94612

City of Oakland
Wladimir Wlassowsky
Transportation Services Manager
250 Frank H. Ogawa, Suite 4344
Oakland, CA 94612

City of San Leandro
Michael Bakaldin, Director
Public Works Service Center
14200 Chapman Road
San Leandro, CA 94578

City of San Leandro
Hanson Hom
Community Development Director
835 East 14th Street
San Leandro, CA 94577-3767

City of San Leandro
John Jermanis, City Manager
835 East 14th Street
San Leandro, CA 94577-3767

City of San Leandro
Uche Udemezue, Transportation Director
835 East 14th Street
San Leandro, CA 94577-3767

City of Hayward
Jesús Armas, City Manager
777 B Street, 4th Floor
Hayward, CA 94541

City of Hayward
Farhad Iranitalab,
Transportation/Development Manager
777 B Street, 4th Floor
Hayward, CA 94541

City of Alameda
Barbara Hawkins, City Engineer
950 West Mall Square
Alameda, CA 94501

City of Alameda
Debra Kurita, City Manager
2263 Santa Clara Avenue, Room 320
Alameda, CA 94501

California Native Plant Society
East Bay Chapter
P.O. Box 5597, Elmwood Station
Berkeley, CA 94705

Organizations and Individuals

Allen Temple Baptist Church
8501 International Boulevard
Oakland, CA 94621

Alliance for AC Transit and Bus Riders Union
P.O. Box 20232
Oakland, CA 94620

Berkeley Architectural Heritage Association
Wendy Markel, President
2318 Durant Avenue
Berkeley, CA 94704

Berkeley Chamber of Commerce
Carolyn Henry-Golphin, Chairman of the Board
1834 University Avenue
Berkeley, CA 94703

Berkeley City College
Judy E. Walters, President
2050 Center Street
Berkeley, CA 94704

Berkeley Ecological and Safe Transportation (BEST)
BEST Coalition c/o BFBC
P.O. Box 13357
Berkeley, CA 94712-4357

Berkeley Unified School District,
2134 Martin Luther King Jr Way
Berkeley, CA 94704

Bicycle-Friendly Berkeley Coalition
Dave Campbell, President
P.O. Box 13357
Berkeley, CA 94712-4357

California Transit Association
1415 “L” Street, Suite 200
Sacramento, CA 95814

Downtown Berkeley Association
Deborah Badhia
2230 Shattuck Avenue, Suite C
Berkeley, CA 94704

East Bay Bicycle Coalition
Robert Raburn, Executive Director
P.O. Box 1736
Oakland, CA 94604

Livable Berkeley
1442 A Walnut Street, #202
Berkeley, CA 94709

Fruitvale Merchants
Attn: Jenny Kassan
1900 Fruitvale Avenue, Suite 2B
Oakland, CA 94601

League of Women Voters
President
1414 University Avenue, Suite D
Berkeley, CA 94702

League of Women Voters
President
1305 Franklin Street, Suite 311
Oakland, CA 94612

Laney College
Dr. Frank Chong, President
Office of the President
900 Fallon Street
Oakland, CA 94607

Merritt College
George Herring, Ed.D., President
12500 Campus Drive
Oakland, CA 94619

Oakland Metropolitan Chamber of Commerce
Reid Edwards, Chairperson
475 14th Street
Oakland, CA 94612-1903

Oakland Unified School District,
Kimberly Statham, State Administrator
1025 2nd Ave., Room 301
Oakland, CA 94606

Operating Engineers Local Union No. 3
Business Manager
1620 South Loop Road
Alameda, CA 94502

Regional Bicycle Coalition
Attention: Alex Zuckerman
P.O. Box 10205
Oakland, CA 94610

Samuel Merritt College
Sharon Diaz, President
370 Hawthorne Avenue
Oakland, CA 94609

San Leandro Chamber of Commerce
Diana Gentry, CMP, Chief Executive Officer
262 Davis Street
San Leandro, CA 94577

San Leandro Unified School District
14735 Juniper Street
San Leandro, CA 94579

San Lorenzo Unified School District
15510 Usher Street
San Lorenzo, CA 94580

Sierra Club – San Francisco Bay Chapter
Transportation Chair
2530 San Pablo Avenue, Suite I
Berkeley, CA 94702-2000

Telegraph Area Association
Karoline De Martini, Executive Director
2509 Haste Street
Berkeley, CA 94704

Telegraph Business Improvement District
Doris Moskowitz, President of the Board
2509 Haste Street
Berkeley, CA 94704

Temescal Merchants Association
Kenny Mostern
4430 #C Telegraph Avenue
Oakland, CA 94609

The Unity Council
Rosy Davalos, Chairman
Fruitvale Village
3411 East 12th Street, Suite 200
Oakland, CA 94601

Transportation and Land Use Coalition
Stuart Cohen, Executive Director
405 14th Street, Suite 605
Oakland, CA 94612

Urban Ecology
Kristi Kimball, Board President
414 13th Street, Suite 500
Oakland, CA 94612

Walk & Roll Berkeley (W&RB)
P.O. Box 13143
Berkeley, CA 94712-4143

Appendix D Agency Correspondence

[THIS PAGE INTENTIONALLY LEFT BLANK]

STATE OF CALIFORNIA – THE RESOURCES AGENCY

ARNOLD SCHWARZENEGGER, *Governor*

OFFICE OF HISTORIC PRESERVATION
DEPARTMENT OF PARKS AND RECREATION
P.O. BOX 942896
SACRAMENTO, CA 94296-0001
(916) 653-6624 Fax: (916) 653-9824
calshpo@ohp.parks.ca.gov
www.ohp.parks.ca.gov

17 REC'D

March 15, 2006

Reply To: FTA051227A

Leslie T. Rogers
Regional Administrator
U.S. Department of Transportation
Federal Transit Administration, Region IX
201 Mission Street, Suite 2210
San Francisco, CA 94105-1839

Re: National Register of Historic Places Determinations of Eligibility for Properties within the Area of Potential Effects for the Proposed AC Transit Bus Rapid Transit Project, Alameda County, California

Dear Mr. Rogers:

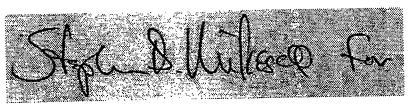
Thank you for your letter of 20 December 2005 requesting my comments with regard to the subject undertaking. Thank you also for your subsequent letter of 22 February 2006, in which you responded to comments and a request for additional information from David Byrd of my staff sent in an email message on 19 January 2006 to Paul Page at the Federal Transportation Agency (FTA). You are consulting with me in order to comply with Section 106 of the National Historic Preservation Act of 1966 (16 U.S.C. 470f), as amended (NHPA), and its implementing regulation at 36 CFR Part 800. Specifically, you are requesting my concurrence with the FTA's determinations of National Register of Historic Places (NRHP) eligibility for properties within the project Area of Potential Effects (APE) and with the finding that no historic properties will be affected by the subject undertaking.

The Federal Transportation Agency (FTA), in cooperation with Alameda-Contra Costa County Transit District (AC Transit) proposes to establish a high-level express service Bus Rapid Transit line along an approximately 18-mile arterial corridor through the cities of Berkeley, Oakland, San Leandro, and portions of unincorporated areas of Alameda County. The undertaking would involve both service and facilities improvement with the limits of existing public rights-of-way to enhance bus service and encourage ridership. The FTA identified 339 historic properties within the project APE. The properties are documented *AC Transit East Bay Bus Rapid Transit Project, Historic Properties Inventory and Evaluation* (October 2005), which you submitted along with the 20 December 2005 letter. Of the 339 properties, 11 have been previously listed or determined eligible for listing in the NRHP. The FTA has determined that 40 of the properties are eligible for inclusion in the NRHP while the remaining 288 properties are not eligible for inclusion in the NRHP. Based upon a review of the submitted documentation, I concur with FTA's findings for the properties, as shown in the tables on pages 78-92 of Volume 1 of the above cited report.

Your letter also requests my concurrence with a finding of no effect for the project. Based on the description of the undertaking included with the submitted documentation, I would suggest that a finding of No Historic Properties Affected, pursuant to 36 CFR § 800.4(d)(1), would be appropriate for this undertaking. I am assuming that if you do not respond within 15 days from the receipt of this letter that you agree with the determination I have proposed.

Thank you for seeking my comments and considering historic properties as part of your project planning. If you have any questions or concerns, please contact David Byrd, Project Review Unit historian, at (916) 653-9019 or at dbyrd@ca.parks.gov.

Sincerely,



Milford Wayne Donaldson, FAIA
State Historic Preservation Officer

MWD:db

Office of Transportation

February 23, 2004

Jim Cunradi
Project Manager
AC Transit
1600 Franklin Street
Oakland, CA 94612

Subject: EIR/EIS Bus Rapid Transit Project

Dear Mr. Cunradi:

On February 19, 2004, the Transportation Commission held a public hearing on AC Transit's Bus Rapid Transit (BRT) alternatives to be studied in the Environmental Impact Statement (EIS) and Environmental Impact Review (EIR).

After much discussion, along with additional comments from the community, the Transportation Commissioners passed the following motions:

> The Transportation Commission recommends that AC Transit proceed with environmental review of the BRT options as presented at the February 19, 2004 meeting of the Transportation Commission. The Transportation Commission further recommends that AC Transit also do environmental review of the two-way Bancroft option as presented in the draft Southside Plan.
>
> (Motioned by Commissioner Rob Wrenn, 2nd by Commissioner Sarah Syed, and passed unanimously by the Transportation Commission with 9 ayes.)
>
> The Transportation Commission recommends that the City and AC Transit work together to conduct traffic counts on Telegraph Avenue before implementation of the BRT model. After one year of implementation, do additional traffic counts to inform the impending decision.
>
> The Transportation Commission recommends that the City, and Telegraph Avenue Merchants work together to explore ways to reduce the effects of illegal parking in the loading zones, and eliminate double parking of delivery vehicles in the commercial area to reduce its impact on the BRT system.
>
> The Transportation Commission will form a subcommittee to engage the surrounding neighborhoods, AC Transit, the Telegraph Avenue Merchants, and The City, to continue to

1900 Addison Street, 3rd Floor, Berkeley, CA 94704 Tel: 510.981-7010 TDD: 510.981-6903 Fax: 510.981-7060

study the concept of a transit mall for the four blocks of Telegraph Avenue between Dwight Way and Bancroft Way.

(Motioned by Commissioner Rob Wrenn, 2nd by Commissioner Wendy Alfsen, and passed by the Transportation Commission with 8 ayes, and 1 no.)

This letter serves as the City of Berkeley's initial recommendations respecting the scope of study in the EIR/EIS for the BRT project. If you have comments or questions regarding this letter, please contact me or my Transit Planner, A. Cherry Chaicharn, at (510) 981-7010.

Sincerely Yours,

Peter K Hillier

Peter Hillier
Transportation Commission Secretary

cc: Mayor and City Council

1900 Addison Street, 3rd Floor, Berkeley, CA 94704 Tel: 510.981-7010 TDD: 510.981-6903 Fax: 510.981-7060

Appendix E List of Technical Studies and References

Technical reports documenting environmental studies conducted for the AC Transit East Bay Bus Rapid Transit Project are listed here. Documents marked with an asterisk (*) are available for review at AC Transit, 1600 Franklin Street, 7th Floor, Oakland, CA 94612.

Documents referenced in this EIS/EIR are as follows:

Technical Studies

**AC Transit East Bay BRT Project Air Quality Impact Technical Study*, Terry A. Hayes Associates, LLC, April 2005.

**AC Transit East Bay BRT Project Land Use Report*, Hausrath Economics Group, September 2005.

**AC Transit East Bay Bus Rapid Transit Project Parking Conditions and Project Impacts Evaluation*, Parsons Transportation Group, April 2007.

**AC Transit East Bay Bus Rapid Transit Screening Analysis of MTS Roadways Technical Memorandum*, Cambridge Systematics, May 2006.

**AC Transit East Bay Bus Rapid Transit Traffic Analysis Report*, Cambridge Systematics, May 2006.

**AC Transit East Bay Bus Rapid Transit, Transit Patronage and Forecasting Methodology Report*, Cambridge Systematics, May 2006.

**AC Transit Technical Memorandum East Bay BRT EIR/EIS Operating Plan and Cost Analysis*, Nelson\Nygaard Consulting Associates, November 2005.

**Alameda-Contra Costa Transit District East Bay Bus Rapid Transit Conceptual Engineering Project Report*, Parsons, January 2005.

**Community Impact Assessment Alameda-Contra Costa Transit East Bay Bus Rapid Transit (BRT) Project*, Parsons, November 2005.

**East Bay Bus Rapid Transit Project for the Alameda Contra Costa Transit District Water Quality, Hydrology and Flood Plain Technical Memorandum*, Parsons, August 2005.

**East Bay Bus Rapid Transit Project, Noise and Vibration Impact Assessment Technical Report*, Parsons, January 2006.

**Final Report Geological Assessment: AC Transit East Bay BRT DEIS/R, Alameda County, California*, AGS, Inc., September 2005.

**Final Report Hazardous Waste Initial Site Assessment: AC Transit East Bay BRT DEIS/R, Alameda County, California*, AGS, Inc., September 2005.

**Finding of Effect for AC Transit East Bay Bus Rapid Transit Project*, JRP Historical Consulting Services, October 2005.

**Historic Properties Inventory and Evaluation: AC Transit East Bay Bus Rapid Transit Project*, JRP Historical Consulting, October 2005.

**Historic Property Survey Report: AC Transit East Bay Bus Rapid Transit Project*, Parsons, September 2005.

Positive Archaeological Survey Report for the Alameda-Contra Costa Transit District's East Bay Bus Rapid Transit Project in Berkeley, Oakland, and San Leandro, Archaeological/Historical Consultants, November 2005.

Site Treatment Plan for the Alameda–Contra Costa Transit District's East Bay Rapid Transit Project in Berkeley, Oakland, and San Leandro, Archaeological/Historical Consultants, January 2005.

**Storm Water Data Report: AC Transit East Bay BRT Project*, Parsons, August 2005.

**Visual Impact Assessment for the AC Transit Berkeley-Oakland-San Leandro Corridor Bus Rapid Transit (BRT) Project Technical Memorandum*, CirclePoint, July 2005,

Other Referenced Documents

23 CFR Part 772, 2004. *Procedures for Abatement of Highway Traffic Noise and Construction Noise*, 23 Codes of Federal Regulations, Part 772, April 1.

Association of Bay Area Governments, *Projections 2002 – Forecasts for the San Francisco Bay Area to the Year 2030*, 2003.

Bay Area Air Quality Management District, *2000 Bay Area Clean Air Plan*, Bay Area Air Quality Management District.

Bay Area Air Quality Management District, Metropolitan Transportation Commission and Association of Bay Area Governments, *2001 Ozone Attainment Plan*,

California Air Resources Board, *Federal and State Air Quality Standards*, January 9, 2003.

California Department of Transportation. *Traffic Volumes on the California Highway System*, website: http://www.dot.ca.gov.

California Employment Development Department, *America's Labor Market Information System (ALMIS) Employer Database*, website: www.edd.ca.gov, 2005.

City of Berkeley. *Berkeley General Plan*, as adopted April 2002.

City of San Leandro. *San Leandro General Plan Update*, as adopted May 2002.

Community and Economic Development Agency, City of Oakland. *Envision Oakland: City of Oakland General Plan, Land Use and Transportation Element*, as adopted March 1998.

County of Alameda, Community Development Agency. Planning Department website: http://www.acgov.org/cda/planning.shtml.

Mayer, K. E. and W. F. Laudenslayer, Jr., eds. 1988. *A Guide to Wildlife Habitats of California*. California Department of Forestry and Fire Protection, Sacramento, CA.

Metropolitan Transportation Commission, *Transportation 2030 Plan for the San Francisco Bay Area*, February 2005.

Procedures for Abatement of Highway Traffic Noise and Construction Noise (23 CFR Part 772, 2003). FHWA.

Transportation Research Board, *Highway Capacity Manual*, 2000.

United States Census Bureau, website: www.census.gov, 2004.

United States Code of Federal Regulations.

[THIS PAGE INTENTIONALLY LEFT BLANK]

Appendix F Glossary of Technical and Abbreviated Terms

ABAG	Association of Bay Area Governments
AC	Alameda Contra Costa
ACCMA	Alameda County Congestion Management Agency
ACHP	President's Advisory Council on Historic Preservation
ACTIA	Alameda County Transportation Improvement Authority
ADA	Americans with Disabilities Act of 1990
APE	Area of Potential Effects, the area within which archaeological or historical resources may be affected by a project.
BAAB	Bay Area Air Basin
BAAQMD	Bay Area Air Quality Management District
BART	Bay Area Rapid Transit
BCDC	Bay Conservation and Development Commission
BEST	Berkeley Ecological Safe Transportation
BMP	Best Management Practice, regarding construction phase practices.
BRT	Bus Rapid Transit
CAA	Clean Air Act, as amended in 1990.
CAAQS	California Ambient Air Quality Standards
CAC	Citizen Advisory Committee
Cal EPA	California Environmental Protection Agency
Caltrans	California Department of Transportation
CAP	Bay Area Clean Air Program
CARB	California Air Resources Board
CCAA	California Clean Air Act
CDFG	California Department of Fish and Game
CEDA	Community and Economic Development Agency
CESA	California Endangered Species Act
CEQA	California Environmental Quality Act
CFR	Code of Federal Regulations
cfs	cubic feet per second
cm	centimeter
CMA	Congestion Management Agency
CMAQ	Congestion Mitigation and Air Quality
CMP	Congestion Management Program
CO	Carbon monoxide
COR	Corrective Action Order
CRHR	California Register of Historic Resources
dB	decibels, a measurement unit for noise.
DOT	U.S. Department of Transportation
DTSC	California State Department of Toxic Substances Control
EBMUD	East Bay Municipal Utilities District
EIR	Environmental Impact Report
EIS	Environmental Impact Statement
EO	Executive Order
ESA	Federal Endangered Species Act of 1973; alternatively, can refer to a designated

	Environmentally Sensitive Area.
ESCP	Erosion and Sediment Control Plan
FEMA	Federal Emergency Management Agency
FESA	Federal Endangered Species Act
FHWA	Federal Highway Administration
FIRM	Flood Insurance Rating Map
FOE	Finding of Effect
FRA	Federal Railroad Administration
FSTIP	Federal State-wide Transportation Improvement Program
ft	foot/feet
ft^2	square feet
FTA	Federal Transit Administration
G	measurement unit of gravity
HCM	Highway Capacity Manual
headway	Time between buses on a particular route.
HOPE	Housing Opportunities for People Everywhere
HPSR	Historic Properties Survey Report
HRER	Historical Resource Evaluation Report
Hz	Hertz
in	Inch
ISA	Initial Site Assessment, a review of all published data sources on hazardous waste sites and hazardous waste releases in the vicinity of a project.
ISCST	Industrial Source Complex-Short Term
ITS	Intelligent Transportation System
km	kilometer(s)
kph	kilometers per hour
L_{max}	maximum sound level
LAV	Livermore Amador Valley
Ldn	Day-night Sound Level
LPA	Locally Preferred Alternative
LRD	Long-Range Development Plan
LRDP	Long-Range Development Plan
LRT	Light Rail Transit
LOS	Level of Service
LU	landscape unit
LUST	Leaking underground storage tank
m	meter(s)
m^2	square meters
m^3/s	cubic meters per second
MLK Jr.	Martin Luther King Junior
mg/kg	milligrams/kilogram
mg/l	milligrams per liter
mi	mile(s)
MIS	Major Investment Study, prepared during the early planning phase to analyze the range of modal alternatives and cost/benefits of “major metropolitan transportation investments,” which are defined as being highway or transit improvements of substantial cost that are expected to have a significant effect on capacity, traffic flow, level of service or mode share at the transportation corridor or subarea scale. TEA-21 eliminated

	the requirement for a separate MIS document, but the analysis still must be conducted.
mph	miles per hour
MPO	Metropolitan Planning Organization, a federal designation for the forum for cooperative transportation decision-making for an urbanized area with population of more than 50,000.
MTC	Metropolitan Transportation Commission of the Bay Area, the Bay Area's MPO
Mw	Magnitude
NAAQS	National Ambient Air Quality Standards
N/A	Not Available
NAHC	Native American Heritage Commission
NCR	Neighborhood Commercial Revitalization
NCONC	North Central Oakland Neighborhood Council
NEPA	National Environmental Policy Act
NO	nitric oxide
NO_2	nitrogen dioxide
NO_x	nitrogen oxide
NPDES	National Pollutant Discharge Elimination System Permit, required for facilities and activities that discharge waste into surface waters from a confined pipe or channel.
NRHP	National Register of Historic Places
O_3	ozone
PG&E	Pacific Gas and Electric Company
Pm	post mile
PM_{10}	particulate matter less than 10 microns in diameter (one micron is equal to one millionth of a meter)
$PM_{2.5}$	particulate matter less than 2.5 microns in diameter, considered to be fine particulate matter (one micron is equal to one-millionth of meter)
Ppm	parts per million
PPP	Public Participation Plan
PPV	Peak Particle Velocity
PRC	California Public Resources Code
PSC	Policy Steering Committee
RCRA	Resource Conservation and Recovery Act
RIP	Regional Improvement Program
RM-2	Regional Measure 2 (Tall Bridge Revenue)
Rms	Root mean square
ROG	reactive organic gases
ROW	right-of-way
RTEP	Regional Transit Expansion Plan
RTP	Regional Transportation Plan
RWQCB	California Regional Water Quality Control Board
SAFETEA	Safety Accountable Flexible Efficient Transportation Act
SHPO	State Historic Preservation Officer
SIP	State Implementation Plan, the portion (or portions) of an applicable implementation plan approved or promulgated, or the most recent revision thereof, under sections 110, 301(d) and 175A of CAA.
SO_2	sulfur dioxide
SPCCP	Spill Prevention, Contaminant and Clean-up Plan
SPCC	Spill Prevention Contaminant

SRTP	Short Range Transit Plan
SR	State Route
STA	State Transit Assistance
STIP	Statewide Transportation Improvement Plan, a staged, multiyear, statewide, intermodal program of transportation projects that is consistent with the Statewide transportation plan and planning processes and metropolitan plans, TIPs and processes.
SWPPP	Storm water Pollution Prevention Plan
TAC	Technical Advisory Committee
TALC	Transportation and Land Use Coalition
TCRP	State Traffic Congestion Relief Program
TDA	Transportation Development Act
TEA-21	Transportation Equity Act for the 21st Century
TFCA	Transportation Fund or Clean Air
TIP	Transportation Improvement Program, a staged, multi-year, intermodal program of transportation projects that is consistent with the metropolitan transportation plan. It is a federal term.
TSP	Transit Signal Priority
USEPA	U.S. Environmental Protection Agency
USC	United States Code
V/C	volume-to-capacity ratio
Vdb	Vibration Velocity Level
Vht	vehicle hours of travel
Vkt	vehicle kilometers of travel
Vmt	vehicle miles of travel
Vpd	vehicles per day
Vph	Vehicle mile per hour
WH&SP	Worker Health and Safety Plan, designed to prevent exposure of workers to potentially hazardous excavated soils and to comply with applicable waste handling and disposal regulations.
YMCA	Young Men's Christian Association
YWCA	Young Women's Christian Association