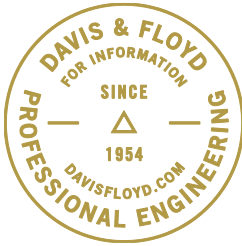


## **Appendix 6-B: Annualization Factor Tables**

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BRT Annualization Factors

Alternative B-1: US 78/Meeting BRT	Quantity	Cost per QTY	Total Base Year Dollars	Professional Service Spread	Unallocated Contingency	Revised Total Base Year Dollars	Years of Useful Life	Annualization Factor (2%)	Annualized Cost
<b>10 GUIDEWAY &amp; TRACK ELEMENTS (route miles)</b>	<b>23.1</b>	<b>\$4,200,000</b>	<b>\$97,104,000</b>	<b>\$48,552,000</b>	<b>\$29,131,200</b>	<b>\$174,787,200</b>			<b>\$7,804,235</b>
10.02 Guideway: At-grade semi-exclusive (allows cross-traffic)	23.1	\$4,200,000	\$97,104,000	\$48,552,000	\$29,131,200	\$174,787,200	30	0.0446	\$7,804,235
<b>20 STATIONS, STOPS, TERMINALS, INTERMODAL (number)</b>	<b>18.0</b>	<b>\$750,000</b>	<b>\$13,500,000</b>	<b>\$6,750,000</b>	<b>\$4,050,000</b>	<b>\$24,300,000</b>			<b>\$648,024</b>
20.01 Neighborhood Station	6.0	\$150,000	\$900,000	\$450,000	\$270,000	\$1,620,000	70	0.0267	\$43,202
20.02 Transit Node Station	6.0	\$300,000	\$1,800,000	\$900,000	\$540,000	\$3,240,000	70	0.0267	\$86,403
20.04 PNR Ride Station	6.0	\$1,800,000	\$10,800,000	\$5,400,000	\$3,240,000	\$19,440,000	70	0.0267	\$518,419
<b>30 SUPPORT FACILITIES: YARDS, SHOPS, ADMIN. BLDGS</b>	<b>16.0</b>	<b>\$1,000,000</b>	<b>\$16,000,000</b>	<b>\$8,000,000</b>	<b>\$4,800,000</b>	<b>\$28,800,000</b>			<b>\$509,171</b>
30.02 Expansion of Maintenance Facility	16.0	\$1,000,000	\$16,000,000	\$8,000,000	\$4,800,000	\$28,800,000	50	0.0318	\$509,171
<b>40 SITEWORK &amp; SPECIAL CONDITIONS</b>	<b>123422.1</b>	<b>\$400</b>	<b>\$49,368,832</b>	<b>\$24,684,416</b>	<b>\$14,810,650</b>	<b>\$88,863,898</b>			<b>\$1,078,081</b>
40.01 Sitework (Linear Feet)	123422.1	\$400	\$49,368,832	\$24,684,416	\$14,810,650	\$88,863,898	125	0.0218	\$1,078,081
<b>50 SYSTEMS</b>	<b>98.0</b>	<b>\$150,000</b>	<b>\$14,700,000</b>	<b>\$7,350,000</b>	<b>\$4,410,000</b>	<b>\$26,460,000</b>			<b>\$656,354</b>
50.01 Traffic Signal prioritization, crossing protection, etc.	98.0	\$150,000	\$14,700,000	\$7,350,000	\$4,410,000	\$26,460,000	30	0.0446	\$656,354
<b>Construction Subtotal (10 - 50)</b>		<b>\$6,100,400</b>	<b>\$190,672,832</b>	<b>\$95,336,416</b>	<b>\$57,201,850</b>	<b>\$343,211,098</b>			<b>\$10,695,865</b>
<b>60 ROW, LAND, EXISTING IMPROVEMENTS</b>		<b>\$3,050,200</b>	<b>\$3,050,200</b>		<b>\$0</b>	<b>\$3,050,200</b>			<b>\$66,608</b>
60.01 Purchase or lease of real estate	1.0	\$3,050,200	\$3,050,200		\$0	\$3,050,200	125	0.0218	\$66,608
<b>70 VEHICLES (number)</b>	<b>16.0</b>	<b>\$800,000</b>	<b>\$12,800,000</b>		<b>\$0</b>	<b>\$12,800,000</b>			<b>\$1,210,363</b>
70.04 Bus	16.0	\$800,000	\$12,800,000		\$0	\$12,800,000	12	0.0946	\$1,210,363
<b>80 PROFESSIONAL SERVICES (applies to Cats. 10-50)</b>			<b>\$95,336,416</b>						
80.01 Project Dev., Engineering, Project Mgmt, Construction Admin, etc.		50%	\$95,336,416						
<b>Subtotal (10 - 80)</b>			<b>\$301,859,448</b>						
<b>90 UNALLOCATED CONTINGENCY</b>			<b>\$57,201,850</b>						
<b>Subtotal (10 - 90)</b>			<b>\$359,061,298</b>	<b>\$95,336,416</b>	<b>\$57,201,850</b>	<b>\$359,061,298</b>			<b>\$11,972,836</b>

Alternative B-3: US 78/East Bay BRT		Quantity	Cost per QTY	Total Base Year Dollars	Professional Service Spread	Unallocated Contingency	Revised Total Base Year Dollars	Years of Useful Life	Annualization Factor (2%)	Annualized Cost
<b>10 GUIDEWAY &amp; TRACK ELEMENTS (route miles)</b>		<b>24.3</b>	<b>\$4,200,000</b>	<b>\$102,060,000</b>	<b>\$51,030,000</b>	<b>\$30,618,000</b>	<b>\$183,708,000</b>			<b>\$8,202,548</b>
10.02	Guideway: At-grade semi-exclusive (allows cross-traffic)	24.3	\$4,200,000	\$102,060,000	\$51,030,000	\$30,618,000	\$183,708,000	30	0.0446	\$8,202,548
<b>20 STATIONS, STOPS, TERMINALS, INTERMODAL (number)</b>		<b>19.0</b>	<b>\$647,368</b>	<b>\$12,300,000</b>	<b>\$6,150,000</b>	<b>\$3,690,000</b>	<b>\$22,140,000</b>			<b>\$590,422</b>
20.01	Neighborhood Station	6.0	\$150,000	\$900,000	\$450,000	\$270,000	\$1,620,000	70	0.0267	\$43,202
20.02	Transit Node Station	8.0	\$300,000	\$2,400,000	\$1,200,000	\$720,000	\$4,320,000	70	0.0267	\$115,204
20.04	PNR Ride Station	5.0	\$1,800,000	\$9,000,000	\$4,500,000	\$2,700,000	\$16,200,000	70	0.0267	\$432,016
<b>30 SUPPORT FACILITIES: YARDS, SHOPS, ADMIN. BLDGS</b>		<b>17.0</b>	<b>\$1,000,000</b>	<b>\$17,000,000</b>	<b>\$8,500,000</b>	<b>\$5,100,000</b>	<b>\$30,600,000</b>			<b>\$540,995</b>
30.02	Expansion of Maintenance Facility	17.0	\$1,000,000	\$17,000,000	\$8,500,000	\$5,100,000	\$30,600,000	50	0.0318	\$540,995
<b>40 SITEWORK &amp; SPECIAL CONDITIONS</b>		<b>129677.8</b>	<b>\$400</b>	<b>\$51,871,112</b>	<b>\$25,935,556</b>	<b>\$15,561,334</b>	<b>\$93,368,002</b>			<b>\$1,132,724</b>
40.01	Sitework (Linear Feet)	129677.8	\$400	\$51,871,112	\$25,935,556	\$15,561,334	\$93,368,002	125	0.0218	\$1,132,724
<b>50 SYSTEMS</b>		<b>100.0</b>	<b>\$150,000</b>	<b>\$15,000,000</b>	<b>\$7,500,000</b>	<b>\$4,500,000</b>	<b>\$27,000,000</b>			<b>\$669,749</b>
50.01	Traffic Signal prioritization, crossing protection, etc.	100.0	\$150,000	\$15,000,000	\$7,500,000	\$4,500,000	\$27,000,000	30	0.0446	\$669,749
<b>Construction Subtotal (10 - 50)</b>			<b>\$5,997,768</b>	<b>\$198,231,112</b>	<b>\$99,115,556</b>	<b>\$59,469,334</b>	<b>\$356,816,002</b>			<b>\$11,136,437</b>
<b>60 ROW, LAND, EXISTING IMPROVEMENTS</b>			<b>\$2,998,884</b>	<b>\$2,998,884</b>		<b>\$0</b>	<b>\$2,998,884</b>			<b>\$65,487</b>
60.01	Purchase or lease of real estate	1.0	\$2,998,884	\$2,998,884		\$0	\$2,998,884	125	0.0218	\$65,487
<b>70 VEHICLES (number)</b>		<b>17.0</b>	<b>\$800,000</b>	<b>\$13,600,000</b>		<b>\$0</b>	<b>\$13,600,000</b>			<b>\$1,286,011</b>
70.04	Bus	17.0	\$800,000	\$13,600,000		\$0	\$13,600,000	12	0.0946	\$1,286,011
<b>80 PROFESSIONAL SERVICES (applies to Cats. 10-50)</b>				<b>\$99,115,556</b>						
80.01	Project Dev., Engineering, Project Mgmt, Construction Admin, etc.			\$99,115,556						
<b>Subtotal (10 - 80)</b>				<b>\$313,945,552</b>						
<b>90 UNALLOCATED CONTINGENCY</b>				<b>\$59,469,334</b>						
<b>Subtotal (10 - 90)</b>				<b>\$373,414,886</b>	<b>\$99,115,556</b>	<b>\$59,469,334</b>	<b>\$373,414,886</b>			<b>\$12,487,935</b>

Alternative C-1: US 176/Meeting BRT		Quantity	Cost per QTY	Total Base Year Dollars	Professional Service Spread	Unallocated Contingency	Revised Total Base Year Dollars	Years of Useful Life	Annualization Factor (2%)	Annualized Cost
<b>10 GUIDEWAY &amp; TRACK ELEMENTS (route miles)</b>		<b>22.1</b>	<b>\$4,200,000</b>	<b>\$92,652,000</b>	<b>\$46,326,000</b>	<b>\$27,795,600</b>	<b>\$166,773,600</b>			<b>\$7,446,428</b>
10.02	Guideway: At-grade semi-exclusive (allows cross-traffic)	22.1	\$4,200,000	\$92,652,000	\$46,326,000	\$27,795,600	\$166,773,600	30	0.0446	\$7,446,428
<b>20 STATIONS, STOPS, TERMINALS, INTERMODAL (number)</b>		<b>16.0</b>	<b>\$806,250</b>	<b>\$12,900,000</b>	<b>\$6,450,000</b>	<b>\$3,870,000</b>	<b>\$23,220,000</b>			<b>\$619,223</b>
20.01	Neighborhood Station	6.0	\$150,000	\$900,000	\$450,000	\$270,000	\$1,620,000	70	0.0267	\$43,202
20.02	Transit Node Station	4.0	\$300,000	\$1,200,000	\$600,000	\$360,000	\$2,160,000	70	0.0267	\$57,602
20.04	PNR Ride Station	6.0	\$1,800,000	\$10,800,000	\$5,400,000	\$3,240,000	\$19,440,000	70	0.0267	\$518,419
<b>30 SUPPORT FACILITIES: YARDS, SHOPS, ADMIN. BLDGS</b>		<b>14.0</b>	<b>\$1,000,000</b>	<b>\$14,000,000</b>	<b>\$7,000,000</b>	<b>\$4,200,000</b>	<b>\$25,200,000</b>			<b>\$445,525</b>
30.02	Expansion of Maintenance Facility	14.0	\$1,000,000	\$14,000,000	\$7,000,000	\$4,200,000	\$25,200,000	50	0.0318	\$445,525
<b>40 SITEWORK &amp; SPECIAL CONDITIONS</b>		<b>116418.7</b>	<b>\$400</b>	<b>\$46,567,496</b>	<b>\$23,283,748</b>	<b>\$13,970,249</b>	<b>\$83,821,493</b>			<b>\$1,016,908</b>
40.01	Sitework (Linear Feet)	116418.7	\$400	\$46,567,496	\$23,283,748	\$13,970,249	\$83,821,493	125	0.0218	\$1,016,908
<b>50 SYSTEMS</b>		<b>83.0</b>	<b>\$150,000</b>	<b>\$12,450,000</b>	<b>\$6,225,000</b>	<b>\$3,735,000</b>	<b>\$22,410,000</b>			<b>\$555,892</b>
50.01	Traffic Signal prioritization, crossing protection, etc.	83.0	\$150,000	\$12,450,000	\$6,225,000	\$3,735,000	\$22,410,000	30	0.0446	\$555,892
<b>Construction Subtotal (10 - 50)</b>			<b>\$6,156,650</b>	<b>\$178,569,496</b>	<b>\$89,284,748</b>	<b>\$53,570,849</b>	<b>\$321,425,093</b>			<b>\$10,083,975</b>
<b>60 ROW, LAND, EXISTING IMPROVEMENTS</b>			<b>\$3,078,325</b>	<b>\$3,078,325</b>		<b>\$0</b>	<b>\$3,078,325</b>			<b>\$67,222</b>
60.01	Purchase or lease of real estate	1.0	\$3,078,325	\$3,078,325		\$0	\$3,078,325	125	0.0218	\$67,222
<b>70 VEHICLES (number)</b>		<b>14.0</b>	<b>\$800,000</b>	<b>\$11,200,000</b>		<b>\$0</b>	<b>\$11,200,000</b>			<b>\$1,059,067</b>
70.04	Bus	14.0	\$800,000	\$11,200,000		\$0	\$11,200,000	12	0.0946	\$1,059,067
<b>80 PROFESSIONAL SERVICES (applies to Cats. 10-50)</b>				<b>\$89,284,748</b>						
80.01	Project Dev., Engineering, Project Mgmt, Construction Admin, etc.			\$89,284,748						
<b>Subtotal (10 - 80)</b>				<b>\$282,132,569</b>						
<b>90 UNALLOCATED CONTINGENCY</b>				<b>\$53,570,849</b>						
<b>Subtotal (10 - 90)</b>				<b>\$335,703,418</b>	<b>\$89,284,748</b>	<b>\$53,570,849</b>	<b>\$335,703,418</b>			<b>\$11,210,265</b>

Alternative C-3: US 176/East Bay BRT		Quantity	Cost per QTY	Total Base Year Dollars	Professional Service Spread	Unallocated Contingency	Revised Total Base Year Dollars	Years of Useful Life	Annualization Factor (2%)	Annualized Cost
<b>10 GUIDEWAY &amp; TRACK ELEMENTS (route miles)</b>		<b>23.2</b>	<b>\$4,200,000</b>	<b>\$97,608,000</b>	<b>\$48,804,000</b>	<b>\$29,282,400</b>	<b>\$175,694,400</b>			<b>\$7,844,741</b>
10.02	Guideway: At-grade semi-exclusive (allows cross-traffic)	23.2	\$4,200,000	\$97,608,000	\$48,804,000	\$29,282,400	\$175,694,400	30	0.0446	\$7,844,741
<b>20 STATIONS, STOPS, TERMINALS, INTERMODAL (number)</b>		<b>17.0</b>	<b>\$688,235</b>	<b>\$11,700,000</b>	<b>\$5,850,000</b>	<b>\$3,510,000</b>	<b>\$21,060,000</b>			<b>\$561,621</b>
20.01	Neighborhood Station	6.0	\$150,000	\$900,000	\$450,000	\$270,000	\$1,620,000	70	0.0267	\$43,202
20.02	Transit Node Station	6.0	\$300,000	\$1,800,000	\$900,000	\$540,000	\$3,240,000	70	0.0267	\$86,403
20.04	PNR Ride Station	5.0	\$1,800,000	\$9,000,000	\$4,500,000	\$2,700,000	\$16,200,000	70	0.0267	\$432,016
<b>30 SUPPORT FACILITIES: YARDS, SHOPS, ADMIN. BLDGS</b>		<b>15.0</b>	<b>\$1,000,000</b>	<b>\$15,000,000</b>	<b>\$7,500,000</b>	<b>\$4,500,000</b>	<b>\$27,000,000</b>			<b>\$477,348</b>
30.02	Expansion of Maintenance Facility	15.0	\$1,000,000	\$15,000,000	\$7,500,000	\$4,500,000	\$27,000,000	50	0.0318	\$477,348
<b>40 SITEWORK &amp; SPECIAL CONDITIONS</b>		<b>122674.4</b>	<b>\$400</b>	<b>\$49,069,772</b>	<b>\$24,534,886</b>	<b>\$14,720,932</b>	<b>\$88,325,590</b>			<b>\$1,071,551</b>
40.01	Sitework (Linear Feet)	122674.4	\$400	\$49,069,772	\$24,534,886	\$14,720,932	\$88,325,590	125	0.0218	\$1,071,551
<b>50 SYSTEMS</b>		<b>86.0</b>	<b>\$150,000</b>	<b>\$12,900,000</b>	<b>\$6,450,000</b>	<b>\$3,870,000</b>	<b>\$23,220,000</b>			<b>\$575,984</b>
50.01	Traffic Signal prioritization, crossing protection, etc.	86.0	\$150,000	\$12,900,000	\$6,450,000	\$3,870,000	\$23,220,000	30	0.0446	\$575,984
<b>Construction Subtotal (10 - 50)</b>			<b>\$6,038,635</b>	<b>\$186,277,772</b>	<b>\$93,138,886</b>	<b>\$55,883,332</b>	<b>\$335,299,990</b>			<b>\$10,531,245</b>
<b>60 ROW, LAND, EXISTING IMPROVEMENTS</b>			<b>\$3,019,318</b>	<b>\$3,019,318</b>		<b>\$0</b>	<b>\$3,019,318</b>			<b>\$65,934</b>
60.01	Purchase or lease of real estate	1.0	\$3,019,318	\$3,019,318		\$0	\$3,019,318	125	0.0218	\$65,934
<b>70 VEHICLES (number)</b>		<b>15.0</b>	<b>\$800,000</b>	<b>\$12,000,000</b>		<b>\$0</b>	<b>\$12,000,000</b>			<b>\$1,134,715</b>
70.04	Bus	15.0	\$800,000	\$12,000,000		\$0	\$12,000,000	12	0.0946	\$1,134,715
<b>80 PROFESSIONAL SERVICES (applies to Cats. 10-50)</b>				<b>\$93,138,886</b>						
80.01	Project Dev., Engineering, Project Mgmt, Construction Admin, etc.			\$93,138,886						
<b>Subtotal (10 - 80)</b>				<b>\$294,435,976</b>						
<b>90 UNALLOCATED CONTINGENCY</b>				<b>\$55,883,332</b>						
<b>Subtotal (10 - 90)</b>				<b>\$350,319,307</b>	<b>\$93,138,886</b>	<b>\$55,883,332</b>	<b>\$350,319,307</b>			<b>\$11,731,894</b>

Alternative D-1: Dorchester/Meeting BRT	Quantity	Cost per QTY	Total Base Year Dollars	Professional Service Spread	Unallocated Contingency	Revised Total Base Year Dollars	Years of Useful Life	Annualization Factor (2%)	Annualized Cost
<b>10 GUIDEWAY &amp; TRACK ELEMENTS (route miles)</b>	<b>24.6</b>	<b>\$4,200,000</b>	<b>\$103,362,000</b>	<b>\$51,681,000</b>	<b>\$31,008,600</b>	<b>\$186,051,600</b>			<b>\$8,307,189</b>
10.02 Guideway: At-grade semi-exclusive (allows cross-traffic)	24.6	\$4,200,000	\$103,362,000	\$51,681,000	\$31,008,600	\$186,051,600	30	0.0446	\$8,307,189
<b>20 STATIONS, STOPS, TERMINALS, INTERMODAL (number)</b>	<b>16.0</b>	<b>\$590,625</b>	<b>\$9,450,000</b>	<b>\$4,725,000</b>	<b>\$2,835,000</b>	<b>\$17,010,000</b>			<b>\$453,617</b>
20.01 Neighborhood Station	9.0	\$150,000	\$1,350,000	\$675,000	\$405,000	\$2,430,000	70	0.0267	\$64,802
20.02 Transit Node Station	3.0	\$300,000	\$900,000	\$450,000	\$270,000	\$1,620,000	70	0.0267	\$43,202
20.04 PNR Ride Station	4.0	\$1,800,000	\$7,200,000	\$3,600,000	\$2,160,000	\$12,960,000	70	0.0267	\$345,613
<b>30 SUPPORT FACILITIES: YARDS, SHOPS, ADMIN. BLDGS</b>	<b>17.0</b>	<b>\$1,000,000</b>	<b>\$17,000,000</b>	<b>\$8,500,000</b>	<b>\$5,100,000</b>	<b>\$30,600,000</b>			<b>\$540,995</b>
30.02 Expansion of Maintenance Facility	17.0	\$1,000,000	\$17,000,000	\$8,500,000	\$5,100,000	\$30,600,000	50	0.0318	\$540,995
<b>40 SITEWORK &amp; SPECIAL CONDITIONS</b>	<b>129923.8</b>	<b>\$400</b>	<b>\$51,969,512</b>	<b>\$25,984,756</b>	<b>\$15,590,854</b>	<b>\$93,545,122</b>			<b>\$1,134,873</b>
40.01 Sitework (Linear Feet)	129923.8	\$400	\$51,969,512	\$25,984,756	\$15,590,854	\$93,545,122	125	0.0218	\$1,134,873
<b>50 SYSTEMS</b>	<b>125.0</b>	<b>\$150,000</b>	<b>\$18,750,000</b>	<b>\$9,375,000</b>	<b>\$5,625,000</b>	<b>\$33,750,000</b>			<b>\$837,186</b>
50.01 Traffic Signal prioritization, crossing protection, etc.	125.0	\$150,000	\$18,750,000	\$9,375,000	\$5,625,000	\$33,750,000	30	0.0446	\$837,186
<b>Construction Subtotal (10 - 50)</b>		<b>\$5,941,025</b>	<b>\$200,531,512</b>	<b>\$100,265,756</b>	<b>\$60,159,454</b>	<b>\$360,956,722</b>			<b>\$11,273,860</b>
<b>60 ROW, LAND, EXISTING IMPROVEMENTS</b>		<b>\$2,970,513</b>	<b>\$2,970,513</b>		<b>\$0</b>	<b>\$2,970,513</b>			<b>\$64,868</b>
60.01 Purchase or lease of real estate	1.0	\$2,970,513	\$2,970,513		\$0	\$2,970,513	125	0.0218	\$64,868
<b>70 VEHICLES (number)</b>	<b>17.0</b>	<b>\$800,000</b>	<b>\$13,600,000</b>		<b>\$0</b>	<b>\$13,600,000</b>			<b>\$1,286,011</b>
70.04 Bus	17.0	\$800,000	\$13,600,000		\$0	\$13,600,000	12	0.0946	\$1,286,011
<b>80 PROFESSIONAL SERVICES (applies to Cats. 10-50)</b>			<b>\$100,265,756</b>						
80.01 Project Dev., Engineering, Project Mgmt, Construction Admin, etc.			\$100,265,756						
<b>Subtotal (10 - 80)</b>			<b>\$317,367,781</b>						
<b>90 UNALLOCATED CONTINGENCY</b>			<b>\$60,159,454</b>						
<b>Subtotal (10 - 90)</b>			<b>\$377,527,234</b>	<b>\$100,265,756</b>	<b>\$60,159,454</b>	<b>\$377,527,234</b>			<b>\$12,624,738</b>

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Alternative D-3: Dorchester/East Bay BRT		Quantity	Cost per QTY	Total Base Year Dollars	Professional Service Spread	Unallocated Contingency	Revised Total Base Year Dollars	Years of Useful Life	Annualization Factor (2%)	Annualized Cost
<b>10 GUIDEWAY &amp; TRACK ELEMENTS (route miles)</b>		<b>25.8</b>	<b>\$4,200,000</b>	<b>\$108,318,000</b>	<b>\$54,159,000</b>	<b>\$32,495,400</b>	<b>\$194,972,400</b>			<b>\$8,705,503</b>
10.02	Guideway: At-grade semi-exclusive (allows cross-traffic)	25.8	\$4,200,000	\$108,318,000	\$54,159,000	\$32,495,400	\$194,972,400	30	0.0446	\$8,705,503
<b>20 STATIONS, STOPS, TERMINALS, INTERMODAL (number)</b>		<b>17.0</b>	<b>\$485,294</b>	<b>\$8,250,000</b>	<b>\$4,125,000</b>	<b>\$2,475,000</b>	<b>\$14,850,000</b>			<b>\$396,015</b>
20.01	Neighborhood Station	9.0	\$150,000	\$1,350,000	\$675,000	\$405,000	\$2,430,000	70	0.0267	\$64,802
20.02	Transit Node Station	5.0	\$300,000	\$1,500,000	\$750,000	\$450,000	\$2,700,000	70	0.0267	\$72,003
20.04	PNR Ride Station	3.0	\$1,800,000	\$5,400,000	\$2,700,000	\$1,620,000	\$9,720,000	70	0.0267	\$259,210
<b>30 SUPPORT FACILITIES: YARDS, SHOPS, ADMIN. BLDGS</b>		<b>18.0</b>	<b>\$1,000,000</b>	<b>\$18,000,000</b>	<b>\$9,000,000</b>	<b>\$5,400,000</b>	<b>\$32,400,000</b>			<b>\$572,818</b>
30.02	Expansion of Maintenance Facility	18.0	\$1,000,000	\$18,000,000	\$9,000,000	\$5,400,000	\$32,400,000	50	0.0318	\$572,818
<b>40 SITEWORK &amp; SPECIAL CONDITIONS</b>		<b>136179.5</b>	<b>\$400</b>	<b>\$54,471,792</b>	<b>\$27,235,896</b>	<b>\$16,341,538</b>	<b>\$98,049,226</b>			<b>\$1,189,516</b>
40.01	Sitework (Linear Feet)	136179.5	\$400	\$54,471,792	\$27,235,896	\$16,341,538	\$98,049,226	125	0.0218	\$1,189,516
<b>50 SYSTEMS</b>		<b>128.0</b>	<b>\$150,000</b>	<b>\$19,200,000</b>	<b>\$9,600,000</b>	<b>\$5,760,000</b>	<b>\$34,560,000</b>			<b>\$857,279</b>
50.01	Traffic Signal prioritization, crossing protection, etc.	128.0	\$150,000	\$19,200,000	\$9,600,000	\$5,760,000	\$34,560,000	30	0.0446	\$857,279
<b>Construction Subtotal (10 - 50)</b>			<b>\$5,835,694</b>	<b>\$208,239,792</b>	<b>\$104,119,896</b>	<b>\$62,471,938</b>	<b>\$374,831,626</b>			<b>\$11,721,130</b>
<b>60 ROW, LAND, EXISTING IMPROVEMENTS</b>			<b>\$2,917,847</b>	<b>\$2,917,847</b>		<b>\$0</b>	<b>\$2,917,847</b>			<b>\$63,718</b>
60.01	Purchase or lease of real estate	1.0	\$2,917,847	\$2,917,847		\$0	\$2,917,847	125	0.0218	\$63,718
<b>70 VEHICLES (number)</b>		<b>18.0</b>	<b>\$800,000</b>	<b>\$14,400,000</b>		<b>\$0</b>	<b>\$14,400,000</b>			<b>\$1,361,658</b>
70.04	Bus	18.0	\$800,000	\$14,400,000		\$0	\$14,400,000	12	0.0946	\$1,361,658
<b>80 PROFESSIONAL SERVICES (applies to Cats. 10-50)</b>				<b>\$104,119,896</b>						
80.01	Project Dev., Engineering, Project Mgmt, Construction Admin, etc.			\$104,119,896						
<b>Subtotal (10 - 80)</b>				<b>\$329,677,535</b>						
<b>90 UNALLOCATED CONTINGENCY</b>				<b>\$62,471,938</b>						
<b>Subtotal (10 - 90)</b>				<b>\$392,149,473</b>	<b>\$104,119,896</b>	<b>\$62,471,938</b>	<b>\$392,149,473</b>			<b>\$13,146,506</b>



LRT Annualization Factors

Alternative B-2: US 78/Meeting LRT		Quantity	Cost per QTY	Total Base Year Dollars	Professional Service Spread	Unallocated Contingency	Revised Total Base Year Dollars	Years of Useful Life	Annualization Factor (2%)	Annualized Cost
<b>10 GUIDEWAY &amp; TRACK ELEMENTS</b>		<b>93493.5</b>	<b>\$8,246</b>	<b>\$770,954,242</b>	<b>\$385,477,121</b>	<b>\$231,286,272</b>	<b>\$1,387,717,635</b>			<b>\$62,334,423</b>
10.02	Guideway: At-grade semi-exclusive (allows cross-traffic)	93493.5	\$4,500	\$420,720,750	\$210,360,375	\$126,216,225	\$757,297,350	30	0.0446	\$33,813,268
10.03	Guideway: At-grade in mixed traffic	13433.6	\$2,700	\$36,270,585	\$18,135,293	\$10,881,176	\$65,287,053	20	0.0612	\$3,995,568
10.04	Guideway: Aerial structure	16342.7	\$9,500	\$155,255,650	\$77,627,825	\$46,576,695	\$279,460,170	80	0.0252	\$7,042,396
10.11	Track: Embedded	244165.0	\$650	\$158,707,257	\$79,353,628	\$47,612,177	\$285,673,062	20	0.0612	\$17,483,191
<b>20 STATIONS, STOPS, TERMINALS, INTERMODAL</b>		<b>18.0</b>	<b>\$4,000,000</b>	<b>\$72,000,000</b>	<b>\$36,000,000</b>	<b>\$21,600,000</b>	<b>\$129,600,000</b>			<b>\$3,456,127</b>
20.01	At-grade station stop, shelter, mall terminal, platform	18.0	\$4,000,000	\$72,000,000	\$36,000,000	\$21,600,000	\$129,600,000	70	0.0267	\$3,456,127
<b>30 SUPPORT FACILITIES: YARDS, SHOPS, ADMIN. BLDGS</b>		<b>15.0</b>	<b>\$2,200,000</b>	<b>\$33,000,000</b>	<b>\$16,500,000</b>	<b>\$9,900,000</b>	<b>\$59,400,000</b>			<b>\$1,050,166</b>
30.03	Heavy Maintenance Facility & Storage Yard	15.0	\$2,200,000	\$33,000,000	\$16,500,000	\$9,900,000	\$59,400,000	50	0.0318	\$1,050,166
<b>40 SITEWORK &amp; SPECIAL CONDITIONS</b>		<b>123269.8</b>	<b>\$420</b>	<b>\$51,773,295</b>	<b>\$25,886,648</b>	<b>\$15,531,989</b>	<b>\$93,191,931</b>			<b>\$1,130,588</b>
40.01	Sitework	123269.8	\$420	\$51,773,295	\$25,886,648	\$15,531,989	\$93,191,931	125	0.0218	\$1,130,588
<b>50 SYSTEMS</b>		<b>244165.0</b>	<b>\$750</b>	<b>\$183,123,758</b>	<b>\$91,561,879</b>	<b>\$54,937,127</b>	<b>\$329,622,764</b>			<b>\$8,176,462</b>
50.01	Train control & signals, traction power, communications, etc.	244165.0	\$750	\$183,123,758	\$91,561,879	\$54,937,127	\$329,622,764	30	0.0446	\$8,176,462
<b>Construction Subtotal (10 - 50)</b>			<b>\$6,209,416</b>	<b>\$1,110,851,294</b>	<b>\$555,425,647</b>	<b>\$333,255,388</b>	<b>\$1,999,532,329</b>			<b>\$76,147,766</b>
<b>60 ROW, LAND, EXISTING IMPROVEMENTS</b>			<b>\$3,104,708</b>	<b>\$3,104,708</b>		<b>\$0</b>	<b>\$3,104,708</b>			<b>\$67,798</b>
60.01	Purchase or lease of real estate, relocations	1.0	\$3,104,708	\$3,104,708		\$0	\$3,104,708	125	0.0218	\$67,798
<b>70 VEHICLES (number)</b>		<b>15.0</b>	<b>\$5,000,000</b>	<b>\$75,000,000</b>		<b>\$0</b>	<b>\$75,000,000</b>			<b>\$7,091,970</b>
70.01	Light Rail	15.0	\$5,000,000	\$75,000,000		\$0	\$75,000,000	12	0.0946	\$7,091,970
<b>80 PROFESSIONAL SERVICES (applies to Cats. 10-50)</b>				<b>\$555,425,647</b>						
80.01	Project Dev., Engineering, Project Mgmt, Construction Admin, etc.			\$555,425,647						
<b>Subtotal (10 - 80)</b>				<b>\$1,744,381,649</b>						
<b>90 UNALLOCATED CONTINGENCY</b>				<b>\$333,255,388</b>						
<b>Subtotal (10 - 90)</b>				<b>\$2,077,637,037</b>	<b>\$555,425,647</b>	<b>\$333,255,388</b>	<b>\$2,077,637,037</b>			<b>\$83,307,534</b>

Alternative B-4: US 78/East Bay LRT		Quantity	Cost per QTY	Total Base Year Dollars	Professional Service Spread	Unallocated Contingency	Revised Total Base Year Dollars	Years of Useful Life	Annualization Factor (2%)	Annualized Cost
<b>10 GUIDEWAY &amp; TRACK ELEMENTS</b>		<b>101253.5</b>	<b>\$7,979</b>	<b>\$807,889,956</b>	<b>\$403,944,978</b>	<b>\$242,366,987</b>	<b>\$1,454,201,921</b>			<b>\$65,362,990</b>
10.02	Guideway: At-grade semi-exclusive (allows cross-traffic)	101253.5	\$4,500	\$455,640,750	\$227,820,375	\$136,692,225	\$820,153,350	30	0.0446	\$36,619,783
10.03	Guideway: At-grade in mixed traffic	11929.3	\$2,700	\$32,208,975	\$16,104,488	\$9,662,693	\$57,976,155	20	0.0612	\$3,548,141
10.04	Guideway: Aerial structure	16342.7	\$9,500	\$155,255,650	\$77,627,825	\$46,576,695	\$279,460,170	80	0.0252	\$7,042,396
10.11	Track: Embedded	253514.7	\$650	\$164,784,581	\$82,392,291	\$49,435,374	\$296,612,246	20	0.0612	\$18,152,669
<b>20 STATIONS, STOPS, TERMINALS, INTERMODAL</b>		<b>19.0</b>	<b>\$4,000,000</b>	<b>\$76,000,000</b>	<b>\$38,000,000</b>	<b>\$22,800,000</b>	<b>\$136,800,000</b>			<b>\$3,648,134</b>
20.01	At-grade station stop, shelter, mall terminal, platform	19.0	\$4,000,000	\$76,000,000	\$38,000,000	\$22,800,000	\$136,800,000	70	0.0267	\$3,648,134
<b>30 SUPPORT FACILITIES: YARDS, SHOPS, ADMIN. BLDGS</b>		<b>16.0</b>	<b>\$2,200,000</b>	<b>\$35,200,000</b>	<b>\$17,600,000</b>	<b>\$10,560,000</b>	<b>\$63,360,000</b>			<b>\$1,120,177</b>
30.03	Heavy Maintenance Facility & Storage Yard	16.0	\$2,200,000	\$35,200,000	\$17,600,000	\$10,560,000	\$63,360,000	50	0.0318	\$1,120,177
<b>40 SITEWORK &amp; SPECIAL CONDITIONS</b>		<b>129507.6</b>	<b>\$420</b>	<b>\$54,393,179</b>	<b>\$27,196,590</b>	<b>\$16,317,954</b>	<b>\$97,907,723</b>			<b>\$1,187,800</b>
40.01	Sitework	129507.6	\$420	\$54,393,179	\$27,196,590	\$16,317,954	\$97,907,723	125	0.0218	\$1,187,800
<b>50 SYSTEMS</b>		<b>253514.7</b>	<b>\$750</b>	<b>\$190,136,055</b>	<b>\$95,068,028</b>	<b>\$57,040,817</b>	<b>\$342,244,899</b>			<b>\$8,489,560</b>
50.01	Train control & signals, traction power, communications, etc.	253514.7	\$750	\$190,136,055	\$95,068,028	\$57,040,817	\$342,244,899	30	0.0446	\$8,489,560
<b>Construction Subtotal (10 - 50)</b>			<b>\$6,209,149</b>	<b>\$1,163,619,190</b>	<b>\$581,809,595</b>	<b>\$349,085,757</b>	<b>\$2,094,514,543</b>			<b>\$79,808,661</b>
<b>60 ROW, LAND, EXISTING IMPROVEMENTS</b>			<b>\$3,104,574</b>	<b>\$3,104,574</b>		<b>\$0</b>	<b>\$3,104,574</b>			<b>\$67,795</b>
60.01	Purchase or lease of real estate, relocations	1.0	\$3,104,574	\$3,104,574		\$0	\$3,104,574	125	0.0218	\$67,795
<b>70 VEHICLES (number)</b>		<b>16.0</b>	<b>\$5,000,000</b>	<b>\$80,000,000</b>		<b>\$0</b>	<b>\$80,000,000</b>			<b>\$7,564,768</b>
70.01	Light Rail	16.0	\$5,000,000	\$80,000,000		\$0	\$80,000,000	12	0.0946	\$7,564,768
<b>80 PROFESSIONAL SERVICES (applies to Cats. 10-50)</b>				<b>\$581,809,595</b>						
80.01	Project Dev., Engineering, Project Mgmt, Construction Admin, etc.			\$581,809,595						
<b>Subtotal (10 - 80)</b>				<b>\$1,828,533,360</b>						
<b>90 UNALLOCATED CONTINGENCY</b>				<b>\$349,085,757</b>						
<b>Subtotal (10 - 90)</b>				<b>\$2,177,619,117</b>	<b>\$581,809,595</b>	<b>\$349,085,757</b>	<b>\$2,177,619,117</b>			<b>\$87,441,224</b>

Alternative C-2: US 176/Meeting LRT		Quantity	Cost per QTY	Total Base Year Dollars	Professional Service Spread	Unallocated Contingency	Revised Total Base Year Dollars	Years of Useful Life	Annualization Factor (2%)	Annualized Cost
<b>10 GUIDEWAY &amp; TRACK ELEMENTS</b>		<b>93214.7</b>	<b>\$7,957</b>	<b>\$741,745,309</b>	<b>\$370,872,655</b>	<b>\$222,523,593</b>	<b>\$1,335,141,556</b>			<b>\$59,154,142</b>
10.02	Guideway: At-grade semi-exclusive (allows cross-traffic)	93214.7	\$4,500	\$419,466,150	\$209,733,075	\$125,839,845	\$755,039,070	30	0.0446	\$33,712,436
10.03	Guideway: At-grade in mixed traffic	6691.0	\$2,700	\$18,065,700	\$9,032,850	\$5,419,710	\$32,518,260	20	0.0612	\$1,990,118
10.04	Guideway: Aerial structure	16342.7	\$9,500	\$155,255,650	\$77,627,825	\$46,576,695	\$279,460,170	80	0.0252	\$7,042,396
10.11	Track: Embedded	229165.9	\$650	\$148,957,809	\$74,478,905	\$44,687,343	\$268,124,056	20	0.0612	\$16,409,192
<b>20 STATIONS, STOPS, TERMINALS, INTERMODAL</b>		<b>16.0</b>	<b>\$4,000,000</b>	<b>\$64,000,000</b>	<b>\$32,000,000</b>	<b>\$19,200,000</b>	<b>\$115,200,000</b>			<b>\$3,072,113</b>
20.01	At-grade station stop, shelter, mall terminal, platform	16.0	\$4,000,000	\$64,000,000	\$32,000,000	\$19,200,000	\$115,200,000	70	0.0267	\$3,072,113
<b>30 SUPPORT FACILITIES: YARDS, SHOPS, ADMIN. BLDGS</b>		<b>14.0</b>	<b>\$2,200,000</b>	<b>\$30,800,000</b>	<b>\$15,400,000</b>	<b>\$9,240,000</b>	<b>\$55,440,000</b>			<b>\$980,155</b>
30.03	Heavy Maintenance Facility & Storage Yard	14.0	\$2,200,000	\$30,800,000	\$15,400,000	\$9,240,000	\$55,440,000	50	0.0318	\$980,155
<b>40 SITEWORK &amp; SPECIAL CONDITIONS</b>		<b>116248.5</b>	<b>\$420</b>	<b>\$48,824,378</b>	<b>\$24,412,189</b>	<b>\$14,647,314</b>	<b>\$87,883,881</b>			<b>\$1,066,192</b>
40.01	Sitework	116248.5	\$420	\$48,824,378	\$24,412,189	\$14,647,314	\$87,883,881	125	0.0218	\$1,066,192
<b>50 SYSTEMS</b>		<b>229165.9</b>	<b>\$750</b>	<b>\$171,874,395</b>	<b>\$85,937,198</b>	<b>\$51,562,319</b>	<b>\$309,373,911</b>			<b>\$7,674,178</b>
50.01	Train control & signals, traction power, communications, etc.	229165.9	\$750	\$171,874,395	\$85,937,198	\$51,562,319	\$309,373,911	30	0.0446	\$7,674,178
<b>Construction Subtotal (10 - 50)</b>			<b>\$6,209,127</b>	<b>\$1,057,244,082</b>	<b>\$528,622,041</b>	<b>\$317,173,225</b>	<b>\$1,903,039,348</b>			<b>\$71,946,780</b>
<b>60 ROW, LAND, EXISTING IMPROVEMENTS</b>			<b>\$3,104,564</b>	<b>\$3,104,564</b>		<b>\$0</b>	<b>\$3,104,564</b>			<b>\$67,795</b>
60.01	Purchase or lease of real estate, relocations	1.0	\$3,104,564	\$3,104,564		\$0	\$3,104,564	125	0.0218	\$67,795
<b>70 VEHICLES (number)</b>		<b>14.0</b>	<b>\$5,000,000</b>	<b>\$70,000,000</b>		<b>\$0</b>	<b>\$70,000,000</b>			<b>\$6,619,172</b>
70.01	Light Rail	14.0	\$5,000,000	\$70,000,000		\$0	\$70,000,000	12	0.0946	\$6,619,172
<b>80 PROFESSIONAL SERVICES (applies to Cats. 10-50)</b>				<b>\$528,622,041</b>						
80.01	Project Dev., Engineering, Project Mgmt, Construction Admin, etc.			\$528,622,041						
<b>Subtotal (10 - 80)</b>				<b>\$1,658,970,687</b>						
<b>90 UNALLOCATED CONTINGENCY</b>				<b>\$317,173,225</b>						
<b>Subtotal (10 - 90)</b>				<b>\$1,976,143,912</b>	<b>\$528,622,041</b>	<b>\$317,173,225</b>	<b>\$1,976,143,912</b>			<b>\$78,633,747</b>

Alternative C-4: US 176/East Bay LRT		Quantity	Cost per QTY	Total Base Year Dollars	Professional Service Spread	Unallocated Contingency	Revised Total Base Year Dollars	Years of Useful Life	Annualization Factor (2%)	Annualized Cost
<b>10 GUIDEWAY &amp; TRACK ELEMENTS</b>		<b>100974.7</b>	<b>\$7,712</b>	<b>\$778,681,104</b>	<b>\$389,340,552</b>	<b>\$233,604,331</b>	<b>\$1,401,625,986</b>			<b>\$62,182,717</b>
10.02	Guideway: At-grade semi-exclusive (allows cross-traffic)	100974.7	\$4,500	\$454,386,150	\$227,193,075	\$136,315,845	\$817,895,070	30	0.0446	\$36,518,951
10.03	Guideway: At-grade in mixed traffic	5186.7	\$2,700	\$14,004,144	\$7,002,072	\$4,201,243	\$25,207,459	20	0.0612	\$1,542,697
10.04	Guideway: Aerial structure	16342.7	\$9,500	\$155,255,650	\$77,627,825	\$46,576,695	\$279,460,170	80	0.0252	\$7,042,396
10.11	Track: Embedded	238515.6	\$650	\$155,035,160	\$77,517,580	\$46,510,548	\$279,063,287	20	0.0612	\$17,078,673
<b>20 STATIONS, STOPS, TERMINALS, INTERMODAL</b>		<b>17.0</b>	<b>\$4,000,000</b>	<b>\$68,000,000</b>	<b>\$34,000,000</b>	<b>\$20,400,000</b>	<b>\$122,400,000</b>			<b>\$3,264,120</b>
20.01	At-grade station stop, shelter, mall terminal, platform	17.0	\$4,000,000	\$68,000,000	\$34,000,000	\$20,400,000	\$122,400,000	70	0.0267	\$3,264,120
<b>30 SUPPORT FACILITIES: YARDS, SHOPS, ADMIN. BLDGS</b>		<b>15.0</b>	<b>\$2,200,000</b>	<b>\$33,000,000</b>	<b>\$16,500,000</b>	<b>\$9,900,000</b>	<b>\$59,400,000</b>			<b>\$1,050,166</b>
30.03	Heavy Maintenance Facility & Storage Yard	15.0	\$2,200,000	\$33,000,000	\$16,500,000	\$9,900,000	\$59,400,000	50	0.0318	\$1,050,166
<b>40 SITEWORK &amp; SPECIAL CONDITIONS</b>		<b>122504.2</b>	<b>\$420</b>	<b>\$51,451,772</b>	<b>\$25,725,886</b>	<b>\$15,435,532</b>	<b>\$92,613,190</b>			<b>\$1,123,567</b>
40.01	Sitework	122504.2	\$420	\$51,451,772	\$25,725,886	\$15,435,532	\$92,613,190	125	0.0218	\$1,123,567
<b>50 SYSTEMS</b>		<b>238515.6</b>	<b>\$750</b>	<b>\$178,886,723</b>	<b>\$89,443,361</b>	<b>\$53,666,017</b>	<b>\$321,996,101</b>			<b>\$7,987,278</b>
50.01	Train control & signals, traction power, communications, etc.	238515.6	\$750	\$178,886,723	\$89,443,361	\$53,666,017	\$321,996,101	30	0.0446	\$7,987,278
<b>Construction Subtotal (10 - 50)</b>			<b>\$6,208,882</b>	<b>\$1,110,019,598</b>	<b>\$555,009,799</b>	<b>\$333,005,880</b>	<b>\$1,998,035,277</b>			<b>\$75,607,849</b>
<b>60 ROW, LAND, EXISTING IMPROVEMENTS</b>			<b>\$3,104,441</b>	<b>\$3,104,441</b>		<b>\$0</b>	<b>\$3,104,441</b>			<b>\$67,793</b>
60.01	Purchase or lease of real estate, relocations	1.0	\$3,104,441	\$3,104,441		\$0	\$3,104,441	125	0.0218	\$67,793
<b>70 VEHICLES (number)</b>		<b>15.0</b>	<b>\$5,000,000</b>	<b>\$75,000,000</b>		<b>\$0</b>	<b>\$75,000,000</b>			<b>\$7,091,970</b>
70.01	Light Rail	15.0	\$5,000,000	\$75,000,000		\$0	\$75,000,000	12	0.0946	\$7,091,970
<b>80 PROFESSIONAL SERVICES (applies to Cats. 10-50)</b>				<b>\$555,009,799</b>						
80.01	Project Dev., Engineering, Project Mgmt, Construction Admin, etc.			\$555,009,799						
<b>Subtotal (10 - 80)</b>				<b>\$1,743,133,838</b>						
<b>90 UNALLOCATED CONTINGENCY</b>				<b>\$333,005,880</b>						
<b>Subtotal (10 - 90)</b>				<b>\$2,076,139,718</b>	<b>\$555,009,799</b>	<b>\$333,005,880</b>	<b>\$2,076,139,718</b>			<b>\$82,767,611</b>

Alternative D-2: Dorchester/Meeting LRT		Quantity	Cost per QTY	Total Base Year Dollars	Professional Service Spread	Unallocated Contingency	Revised Total Base Year Dollars	Years of Useful Life	Annualization Factor (2%)	Annualized Cost
<b>10 GUIDEWAY &amp; TRACK ELEMENTS</b>		<b>97076.1</b>	<b>\$8,276</b>	<b>\$803,397,019</b>	<b>\$401,698,509</b>	<b>\$241,019,106</b>	<b>\$1,446,114,633</b>			<b>\$65,428,049</b>
10.02	Guideway: At-grade semi-exclusive (allows cross-traffic)	97076.1	\$4,500	\$436,842,540	\$218,421,270	\$131,052,762	\$786,316,572	30	0.0446	\$35,108,974
10.03	Guideway: At-grade in mixed traffic	16334.7	\$2,700	\$44,103,690	\$22,051,845	\$13,231,107	\$79,386,642	20	0.0612	\$4,858,462
10.04	Guideway: Aerial structure	16342.7	\$9,500	\$155,255,650	\$77,627,825	\$46,576,695	\$279,460,170	80	0.0252	\$7,042,396
10.11	Track: Embedded	257223.3	\$650	\$167,195,139	\$83,597,569	\$50,158,542	\$300,951,249	20	0.0612	\$18,418,216
<b>20 STATIONS, STOPS, TERMINALS, INTERMODAL</b>		<b>16.0</b>	<b>\$4,000,000</b>	<b>\$64,000,000</b>	<b>\$32,000,000</b>	<b>\$19,200,000</b>	<b>\$115,200,000</b>			<b>\$3,072,113</b>
20.01	At-grade station stop, shelter, mall terminal, platform	16.0	\$4,000,000	\$64,000,000	\$32,000,000	\$19,200,000	\$115,200,000	70	0.0267	\$3,072,113
<b>30 SUPPORT FACILITIES: YARDS, SHOPS, ADMIN. BLDGS</b>		<b>16.0</b>	<b>\$2,200,000</b>	<b>\$35,200,000</b>	<b>\$17,600,000</b>	<b>\$10,560,000</b>	<b>\$63,360,000</b>			<b>\$1,120,177</b>
30.03	Heavy Maintenance Facility & Storage Yard	16.0	\$2,200,000	\$35,200,000	\$17,600,000	\$10,560,000	\$63,360,000	50	0.0318	\$1,120,177
<b>40 SITEWORK &amp; SPECIAL CONDITIONS</b>		<b>129753.6</b>	<b>\$420</b>	<b>\$54,496,499</b>	<b>\$27,248,250</b>	<b>\$16,348,950</b>	<b>\$98,093,699</b>			<b>\$1,190,056</b>
40.01	Sitework	129753.6	\$420	\$54,496,499	\$27,248,250	\$16,348,950	\$98,093,699	125	0.0218	\$1,190,056
<b>50 SYSTEMS</b>		<b>257223.3</b>	<b>\$750</b>	<b>\$192,917,468</b>	<b>\$96,458,734</b>	<b>\$57,875,240</b>	<b>\$347,251,442</b>			<b>\$8,613,750</b>
50.01	Train control & signals, traction power, communications, etc.	257223.3	\$750	\$192,917,468	\$96,458,734	\$57,875,240	\$347,251,442	30	0.0446	\$8,613,750
<b>Construction Subtotal (10 - 50)</b>			<b>\$6,209,446</b>	<b>\$1,150,010,985</b>	<b>\$575,005,493</b>	<b>\$345,003,296</b>	<b>\$2,070,019,774</b>			<b>\$79,424,145</b>
<b>60 ROW, LAND, EXISTING IMPROVEMENTS</b>			<b>\$3,104,723</b>	<b>\$3,104,723</b>		<b>\$0</b>	<b>\$3,104,723</b>			<b>\$67,799</b>
60.01	Purchase or lease of real estate, relocations	1.0	\$3,104,723	\$3,104,723		\$0	\$3,104,723	125	0.0218	\$67,799
<b>70 VEHICLES (number)</b>		<b>16.0</b>	<b>\$5,000,000</b>	<b>\$80,000,000</b>		<b>\$0</b>	<b>\$80,000,000</b>			<b>\$7,564,768</b>
70.01	Light Rail	16.0	\$5,000,000	\$80,000,000		\$0	\$80,000,000	12	0.0946	\$7,564,768
<b>80 PROFESSIONAL SERVICES (applies to Cats. 10-50)</b>				<b>\$575,005,493</b>						
80.01	Project Dev., Engineering, Project Mgmt, Construction Admin, etc.			\$575,005,493						
<b>Subtotal (10 - 80)</b>				<b>\$1,808,121,201</b>						
<b>90 UNALLOCATED CONTINGENCY</b>				<b>\$345,003,296</b>						
<b>Subtotal (10 - 90)</b>				<b>\$2,153,124,497</b>	<b>\$575,005,493</b>	<b>\$345,003,296</b>	<b>\$2,153,124,497</b>			<b>\$87,056,711</b>

Alternative D-4: Dorchester/Eastbay LRT		Quantity	Cost per QTY	Total Base Year Dollars	Professional Service Spread	Unallocated Contingency	Revised Total Base Year Dollars	Years of Useful Life	Annualization Factor (2%)	Annualized Cost
<b>10 GUIDEWAY &amp; TRACK ELEMENTS</b>		<b>104836.1</b>	<b>\$8,016</b>	<b>\$840,332,813</b>	<b>\$420,166,407</b>	<b>\$252,099,844</b>	<b>\$1,512,599,063</b>			<b>\$68,456,625</b>
10.02	Guideway: At-grade semi-exclusive (allows cross-traffic)	104836.1	\$4,500	\$471,762,540	\$235,881,270	\$141,528,762	\$849,172,572	30	0.0446	\$37,915,489
10.03	Guideway: At-grade in mixed traffic	14830.4	\$2,700	\$40,042,134	\$20,021,067	\$12,012,640	\$72,075,841	20	0.0612	\$4,411,041
10.04	Guideway: Aerial structure	16342.7	\$9,500	\$155,255,650	\$77,627,825	\$46,576,695	\$279,460,170	80	0.0252	\$7,042,396
10.11	Track: Embedded	266573.1	\$650	\$173,272,489	\$86,636,245	\$51,981,747	\$311,890,480	20	0.0612	\$19,087,697
<b>20 STATIONS, STOPS, TERMINALS, INTERMODAL</b>		<b>17.0</b>	<b>\$4,000,000</b>	<b>\$68,000,000</b>	<b>\$34,000,000</b>	<b>\$20,400,000</b>	<b>\$122,400,000</b>			<b>\$3,264,120</b>
20.01	At-grade station stop, shelter, mall terminal, platform	17.0	\$4,000,000	\$68,000,000	\$34,000,000	\$20,400,000	\$122,400,000	70	0.0267	\$3,264,120
<b>30 SUPPORT FACILITIES: YARDS, SHOPS, ADMIN. BLDGS</b>		<b>17.0</b>	<b>\$2,200,000</b>	<b>\$37,400,000</b>	<b>\$18,700,000</b>	<b>\$11,220,000</b>	<b>\$67,320,000</b>			<b>\$1,190,188</b>
30.03	Heavy Maintenance Facility & Storage Yard	17.0	\$2,200,000	\$37,400,000	\$18,700,000	\$11,220,000	\$67,320,000	50	0.0318	\$1,190,188
<b>40 SITEWORK &amp; SPECIAL CONDITIONS</b>		<b>136009.3</b>	<b>\$420</b>	<b>\$57,123,893</b>	<b>\$28,561,947</b>	<b>\$17,137,168</b>	<b>\$102,823,008</b>			<b>\$1,247,431</b>
40.01	Sitework	136009.3	\$420	\$57,123,893	\$28,561,947	\$17,137,168	\$102,823,008	125	0.0218	\$1,247,431
<b>50 SYSTEMS</b>		<b>266573.1</b>	<b>\$750</b>	<b>\$199,929,795</b>	<b>\$99,964,898</b>	<b>\$59,978,939</b>	<b>\$359,873,631</b>			<b>\$8,926,850</b>
50.01	Train control & signals, traction power, communications, etc.	266573.1	\$750	\$199,929,795	\$99,964,898	\$59,978,939	\$359,873,631	30	0.0446	\$8,926,850
<b>Construction Subtotal (10 - 50)</b>			<b>\$6,209,186</b>	<b>\$1,202,786,501</b>	<b>\$601,393,251</b>	<b>\$360,835,950</b>	<b>\$2,165,015,703</b>			<b>\$83,085,213</b>
<b>60 ROW, LAND, EXISTING IMPROVEMENTS</b>			<b>\$3,104,593</b>	<b>\$3,104,593</b>		<b>\$0</b>	<b>\$3,104,593</b>			<b>\$67,796</b>
60.01	Purchase or lease of real estate, relocations	1.0	\$3,104,593	\$3,104,593		\$0	\$3,104,593	125	0.0218	\$67,796
<b>70 VEHICLES (number)</b>		<b>17.0</b>	<b>\$5,000,000</b>	<b>\$85,000,000</b>		<b>\$0</b>	<b>\$85,000,000</b>			<b>\$8,037,566</b>
70.01	Light Rail	17.0	\$5,000,000	\$85,000,000		\$0	\$85,000,000	12	0.0946	\$8,037,566
<b>80 PROFESSIONAL SERVICES (applies to Cats. 10-50)</b>				<b>\$601,393,251</b>						
80.01	Project Dev., Engineering, Project Mgmt, Construction Admin, etc.			\$601,393,251						
<b>Subtotal (10 - 80)</b>				<b>\$1,892,284,345</b>						
<b>90 UNALLOCATED CONTINGENCY</b>				<b>\$360,835,950</b>						
<b>Subtotal (10 - 90)</b>				<b>\$2,253,120,295</b>	<b>\$601,393,251</b>	<b>\$360,835,950</b>	<b>\$2,253,120,295</b>			<b>\$91,190,575</b>