

**ANNUALIZED COST-BUILD ALTERNATIVE**

(Rev.14, August 5, 2011)

Insert Project Sponsor's Name here

Today's Date **8/5/11**

Insert Project Name and Location

Yr of Base Year \$ **2011**

Insert Current Phase (e.g. Applic. for PE, PE, FD, Applic. for FFGA, C)

Yr of Revenue Ops **2020**

	Quantity	Total Base Year Dollars (X000)	Cat. 80 Prof. Svc. spread proportionally over Cats. 10 - 50 (X000)	Spread Cat. 90 Unalloc. Cont. according to perceived risks (X000)	Revised Total Base Year Dollars (X000)	Years of Useful Life	Annualization Factor (based on 7% rate) [.07/1 - (1.07) <sup>-n</sup> no. yrs]	Annualized Cost (X000)
<b>10 GUIDEWAY &amp; TRACK ELEMENTS (route miles)</b>	<b>10.00</b>	<b>100,000</b>	<b>34,550</b>	<b>7,000</b>	<b>141,550</b>			<b>9,911</b>
10.01 Guideway: At-grade exclusive right-of-way	10.00	100,000	34,550	7,000	141,550	125	0.0700	9,911
10.02 Guideway: At-grade semi-exclusive (allows cross-traffic)	0.00	0	0	0	0	30	0.0806	0
10.03 Guideway: At-grade in mixed traffic	0.00	0	0	0	0	20	0.0944	0
10.04 Guideway: Aerial structure	0.00	0	0	0	0	80	0.0703	0
10.05 Guideway: Built-up fill	0.00	0	0	0	0	80	0.0703	0
10.06 Guideway: Underground cut & cover	0.00	0	0	0	0	125	0.0700	0
10.07 Guideway: Underground tunnel	0.00	0	0	0	0	125	0.0700	0
10.08 Guideway: Retained cut or fill	0.00	0	0	0	0	125	0.0700	0
10.09 Track: Direct fixation	0	0	0	0	0	30	0.0806	0
10.10 Track: Embedded	0	0	0	0	0	20	0.0944	0
10.11 Track: Ballasted	0	0	0	0	0	35	0.0772	0
10.12 Track: Special (switches, turnouts)	0	0	0	0	0	30	0.0806	0
10.13 Track: Vibration and noise dampening	0	0	0	0	0	30	0.0806	0
<b>20 STATIONS, STOPS, TERMINALS, INTERMODAL (number)</b>	<b>20</b>	<b>30,000</b>	<b>10,365</b>	<b>10,000</b>	<b>50,365</b>			<b>3,557</b>
20.01 At-grade station, stop, shelter, mall, terminal, platform	20	30,000	10,365	10,000	50,365	70	0.0706	3,557
20.02 Aerial station, stop, shelter, mall, terminal, platform	0	0	0	0	0	70	0.0706	0
20.03 Underground station, stop, shelter, mall, terminal, platform	0	0	0	0	0	125	0.0700	0
20.04 Other stations, landings, terminals: Intermodal, ferry, trolley, etc.	0	0	0	0	0	70	0.0706	0
20.05 Joint development	0	0	0	0	0	70	0.0706	0
20.06 Automobile parking multi-story structure	0	0	0	0	0	50	0.0725	0
20.07 Elevators, escalators	0	0	0	0	0	30	0.0806	0
<b>30 SUPPORT FACILITIES: YARDS, SHOPS, ADMIN. BLDGS</b>		<b>10,000</b>	<b>3,455</b>	<b>0</b>	<b>13,455</b>			<b>975</b>
30.01 Administration Building: Office, sales, storage, revenue counting	0	0	0	0	0	50	0.0725	0
30.02 Light Maintenance Facility	10,000	3,455	0	0	3,455	50	0.0725	975
30.03 Heavy Maintenance Facility	0	0	0	0	0	50	0.0725	0
30.04 Storage or Maintenance of Way Building	0	0	0	0	0	50	0.0725	0
30.05 Yard and Yard Track	0	0	0	0	0	80	0.0703	0
<b>40 SITEWORK &amp; SPECIAL CONDITIONS</b>		<b>53,350</b>	<b>18,433</b>	<b>500</b>	<b>72,283</b>			<b>5,406</b>
40.01 Demolition, Clearing, Earthwork	10,800	3,731	0	0	14,531	125	0.0700	1,017
40.02 Site Utilities, Utility Relocation	21,600	7,463	0	0	29,063	125	0.0700	2,035
40.03 Haz. mat'l, contam'd soil removal/mitigation, ground water treatments	0	0	0	0	0	125	0.0700	0
40.04 Environmental mitigation, e.g. wetlands, historic/archeologic, parks	10,800	3,731	0	0	14,531	125	0.0700	1,017
40.05 Site structures including retaining walls, sound walls	0	0	0	0	0	80	0.0703	0
40.06 Pedestrian / bike access and accommodation, landscaping	10,150	3,507	500	0	14,157	20	0.0944	1,336
40.07 Automobile, bus, van accessways including roads, parking lots	0	0	0	0	0	20	0.0944	0
40.08 Temporary Facilities and other indirect costs during construction	0	0	0	0	0	100	0.0701	0
<b>50 SYSTEMS</b>		<b>30,000</b>	<b>10,365</b>	<b>500</b>	<b>40,865</b>			<b>3,349</b>
50.01 Train control and signals	10,000	3,455	500	0	13,955	30	0.0806	1,125
50.02 Traffic signals and crossing protection	2,500	864	0	0	3,364	30	0.0806	271
50.03 Traction power supply: substations	5,000	1,728	0	0	6,728	50	0.0725	487
50.04 Traction power distribution: catenary and third rail	5,000	1,728	0	0	6,728	30	0.0806	542
50.05 Communications	5,000	1,728	0	0	6,728	20	0.0944	635
50.06 Fare collection system and equipment	2,500	864	0	0	3,364	25	0.0858	289
50.07 Central Control	0	0	0	0	0	30	0.0806	0
<b>Construction Subtotal (10 - 50)</b>		<b>223,350</b>	<b>77,168</b>	<b>18,000</b>	<b>318,518</b>			<b>23,197</b>
<b>60 ROW, LAND, EXISTING IMPROVEMENTS</b>		<b>35,175</b>		<b>1,000</b>	<b>36,175</b>			<b>2,533</b>
60.01 Purchase or lease of real estate	35,175	35,175	0	1,000	36,175	125	0.0700	2,533
60.02 Relocation of existing households and businesses	0	0	0	0	0	125	0.0700	0
<b>70 VEHICLES (number)</b>	<b>15</b>	<b>30,000</b>		<b>1,000</b>	<b>31,000</b>			<b>2,660</b>
70.01 Light Rail	15	30,000	0	1,000	31,000	25	0.0858	2,660
70.02 Heavy Rail	0	0	0	0	0	25	0.0858	0
70.03 Commuter Rail	0	0	0	0	0	25	0.0858	0
70.04 Bus	0	0	0	0	0	12	0.1259	0
70.05 Other	0	0	0	0	0	12	0.1259	0
70.06 Non-revenue vehicles	0	0	0	0	0	12	0.1259	0
70.07 Spare parts	0	0	0	0	0	12	0.1259	0
<b>80 PROFESSIONAL SERVICES (applies to Cats. 10-50)</b>		<b>77,168</b>						
80.01 Preliminary Engineering		5,668						
80.02 Final Design		22,000						
80.03 Project Management for Design and Construction		5,500						
80.04 Construction Administration & Management		22,000						
80.05 Professional Liability and other Non-Construction Insurance		5,500						
80.06 Legal; Permits; Review Fees by other agencies, cities, etc.		5,500						
80.07 Surveys, Testing, Investigation, Inspection		5,500						
80.08 Start up		5,500						
<b>Subtotal (10 - 80)</b>		<b>365,693</b>						
<b>90 UNALLOCATED CONTINGENCY</b>		<b>20,000</b>						
<b>Subtotal (10 - 90)</b>		<b>385,693</b>	<b>77,168</b>	<b>20,000</b>	<b>385,693</b>			<b>28,390</b>
XX.XX Insert here other components req'd in Annualized Cost		0	0	0	0	125	0.0700	0
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XX.XX Insert here other components req'd in Annualized Cost		2	0	0	2	125	0.0700	0
<b>TOTAL</b>		<b>385,693</b>	<b>77,168</b>	<b>20,000</b>	<b>385,693</b>			<b>28,390</b>

The range for buses is 12 to 18 years. Provide supporting documentation for an estimated useful life of more than 12 years.

E75 and F75 are double-checks

Additional project components may be required to be included in the Annualized Cost. Insert vehicle additions in Cat. 70. Insert any other item in Rows 76 - 79; insert useful life and annualization factor as well.