

Standard Cost Categories for Capital Projects

(Rev.12, July 31, 2009)

10 GUIDEWAY & TRACK ELEMENTS (route miles)

- 10.01 Guideway: At-grade exclusive right-of-way
- 10.02 Guideway: At-grade semi-exclusive (allows cross-traffic)
- 10.03 Guideway: At-grade in mixed traffic
- 10.04 Guideway: Aerial structure
- 10.05 Guideway: Built-up fill
- 10.06 Guideway: Underground cut & cover
- 10.07 Guideway: Underground tunnel
- 10.08 Guideway: Retained cut or fill
- 10.09 Track: Direct fixation
- 10.10 Track: Embedded
- 10.11 Track: Ballasted
- 10.12 Track: Special (switches, turnouts)
- 10.13 Track: Vibration and noise dampening

20 STATIONS, STOPS, TERMINALS, INTERMODAL (number)

- 20.01 At-grade station, stop, shelter, mall, terminal, platform
- 20.02 Aerial station, stop, shelter, mall, terminal, platform
- 20.03 Underground station, stop, shelter, mall, terminal, platform
- 20.04 Other stations, landings, terminals: Intermodal, ferry, trolley, etc.
- 20.05 Joint development
- 20.06 Automobile parking multi-story structure
- 20.07 Elevators, escalators

30 SUPPORT FACILITIES: YARDS, SHOPS, ADMIN. BLDGS

- 30.01 Administration Building: Office, sales, storage, revenue counting
- 30.02 Light Maintenance Facility
- 30.03 Heavy Maintenance Facility
- 30.04 Storage or Maintenance of Way Building
- 30.05 Yard and Yard Track

40 SITEWORK & SPECIAL CONDITIONS

- 40.01 Demolition, Clearing, Earthwork
- 40.02 Site Utilities, Utility Relocation
- 40.03 Haz. mat'l, contam'd soil removal/mitigation, ground water treatments
- 40.04 Environmental mitigation, e.g. wetlands, historic/archeologic, parks
- 40.05 Site structures including retaining walls, sound walls
- 40.06 Pedestrian / bike access and accommodation, landscaping
- 40.07 Automobile, bus, van accessways including roads, parking lots
- 40.08 Temporary Facilities and other indirect costs during construction

50 SYSTEMS

- 50.01 Train control and signals
- 50.02 Traffic signals and crossing protection
- 50.03 Traction power supply: substations
- 50.04 Traction power distribution: catenary and third rail
- 50.05 Communications
- 50.06 Fare collection system and equipment
- 50.07 Central Control

60 ROW, LAND, EXISTING IMPROVEMENTS
60.01 Purchase or lease of real estate
60.02 Relocation of existing households and businesses
70 VEHICLES (number)
70.01 Light Rail
70.02 Heavy Rail
70.03 Commuter Rail
70.04 Bus
70.05 Other
70.06 Non-revenue vehicles
70.07 Spare parts
80 PROFESSIONAL SERVICES (applies to Cats. 10-50)
80.01 Preliminary Engineering
80.02 Final Design
80.03 Project Management for Design and Construction
80.04 Construction Administration & Management
80.05 Professional Liability and other Non-Construction Insurance
80.06 Legal; Permits; Review Fees by other agencies, cities, etc.
80.07 Surveys, Testing, Investigation, Inspection
80.08 Start up
90 UNALLOCATED CONTINGENCY
100 FINANCE CHARGES

Standard Cost Categories for Capital Projects DEFINITIONS		NOTE: The SCC cost breakdown is based on a traditional Design Bid Build model. If your project is Design Build, to the best of your ability, separate construction costs from design, administration, testing, etc. Put all construction costs in 10 through 50. Put design, administration, testing, etc. in <i>80 Professional Services</i> .
(Rev.12, July 31, 2009)		
10 GUIDEWAY & TRACK ELEMENTS (route miles)		<p>Include guideway and track costs for all transit modes (Heavy rail, light rail, commuter rail, BRT, rapid bus, bus, monorail, cable car, etc.) The unit of measure is route miles of guideway, regardless of width. As associated with the guideway, include costs for rough grading, excavation, and concrete base for guideway where applicable. Include all construction materials and labor regardless of whom is performing the work.</p> <p>In your written description of the scope and in supporting graphic diagrams, indicate whether busway or rail track is single, double, triple, relocated, etc. Put guideway and track elements associated with yards in <i>30 Support Facilities</i> below.</p>
10.01	Guideway: At-grade exclusive right-of-way	
10.02	Guideway: At-grade semi-exclusive (allows cross-traffic)	
10.03	Guideway: At-grade in mixed traffic	
10.04	Guideway: Aerial structure	Include foundation excavation; guideway structures including caissons, columns, bridges, viaducts, cross-overs, fly-overs.
10.05	Guideway: Built-up fill	Include construction of earthen berms.
10.06	Guideway: Underground cut & cover	Include excavation, retaining walls, backfill, underground guideway structure and finishes.
10.07	Guideway: Underground tunnel	Include tunneling by means of a tunnel boring machine, drill blasting, mining, and immersed tube tunneling; tunnel structure and finishes.
10.08	Guideway: Retained cut or fill	Include excavation, retaining walls, backfill, underground guideway structure and finishes.
10.09	Track: Direct fixation	Include rails, connectors.
10.10	Track: Embedded	Include rails, ties; ballast where applicable
10.11	Track: Ballasted	Include rails, ties and ballast.
10.12	Track: Special (switches, turnouts)	Include transitional curves.
10.13	Track: Vibration and noise dampening	Include upcharge for vib/noise dampening to any track condition above.
20 STATIONS, STOPS, TERMINALS, INTERMODAL (number)		<p>As associated with stations, include costs for rough grading, excavation, station structures, enclosures, finishes, equipment; mechanical and electrical components including HVAC, ventilation shafts and equipment, station power, lighting, public address/customer information system, safety systems such as fire detection and prevention, security surveillance, access control, life safety systems, etc. Include all construction materials and labor regardless of whom is performing the work.</p> <p>Put guideway and track associated with stations in <i>10 Guideway & Track Elements</i> above.</p>
20.01	At-grade station, stop, shelter, mall, terminal, platform	
20.02	Aerial station, stop, shelter, mall, terminal, platform	Include station structures including caissons, columns, platforms, superstructures, etc.
20.03	Underground station, stop, shelter, mall, terminal, platform	Include retaining walls, backfill, structure.
20.04	Other stations, landings, terminals: Intermodal, ferry, trolley, etc.	
20.05	Joint development	Per FTA's Joint Development Guidance, "Joint development is any income-producing activity with a transit nexus related to a real estate asset in which FTA has an interest. . . Joint development projects are commercial, residential, industrial, or mixed-use developments that are induced by or enhance the effectiveness of transit projects. . ." See http://www.fta.dot.gov/17973_18027_ENG_HTML.htm
20.06	Automobile parking multi-story structure	Include retaining walls, backfill, structure.
20.07	Elevators, escalators	
30 SUPPORT FACILITIES: YARDS, SHOPS, ADMIN. BLDGS		<p>As associated with support facilities, include costs for rough grading, excavation, support structures, enclosures, finishes, equipment; mechanical and electrical components including HVAC, ventilation shafts and equipment, facility power, lighting, public address system, safety systems such as fire detection and prevention, security surveillance, access control, life safety systems, etc. Include fueling stations. Include all construction materials and labor regardless of whom is performing the work.</p> <p>Where a support facility shares the structure with a station, its cost may be included with station cost. Identify this with a note.</p> <p>Except for guideway and track associated with a yard, include all guideway and track costs associated with support facilities in <i>10 Guideway & Track Elements</i> above.</p>
30.01	Administration Building: Office, sales, storage, revenue counting	
30.02	Light Maintenance Facility	Include service, inspection, and storage facilities and equipment.
30.03	Heavy Maintenance Facility	Include heavy maintenance and overhaul facilities and equipment.
30.04	Storage or Maintenance of Way Building	
30.05	Yard and Yard Track	Include yard construction, guideway and track associated with yard.

40 SITEWORK & SPECIAL CONDITIONS		Include all construction materials and labor regardless of whom is performing the work.
40.01	Demolition, Clearing, Earthwork	Include project-wide clearing, demolition and fine grading.
40.02	Site Utilities, Utility Relocation	Include all site utilities - storm, sewer, water, gas, electric.
40.03	Haz. mat'l, contam'd soil removal/mitigation, ground water treatments	Include underground storage tanks, fuel tanks, other hazardous materials and treatments, etc.
40.04	Environmental mitigation, e.g. wetlands, historic/archeologic, parks	Include other environmental mitigation not listed.
40.05	Site structures including retaining walls, sound walls	
40.06	Pedestrian / bike access and accommodation, landscaping	Include sidewalks, paths, plazas, landscape, site and station furniture, site lighting, signage, public artwork, bike facilities, permanent fencing.
40.07	Automobile, bus, van accessways including roads, parking lots	Include all on-grade paving.
40.08	Temporary Facilities and other indirect costs during construction	As a general rule and to the extent possible, appropriately allocate indirect costs among the construction costs in Categories 10 through 50. Where that is not possible, include in <i>40.08 Temporary Facilities</i> costs for mobilization, demobilization, phasing; time and temporary construction associated with weather (heat, rain, freezing, etc.); temporary power and facilities; temporary construction, easements, and barriers for storm water pollution prevention, temporary access and to mitigate construction impacts; project and construction supervision; general conditions, overhead, profit. NOTE: Include contractor's general liability and other insurance related to construction such as builder's risk in Cats. 10 - 50, not in 80 Professional Services below.
50 SYSTEMS		Include all construction materials and labor regardless of whom is performing the work.
50.01	Train control and signals	
50.02	Traffic signals and crossing protection	Include signal prioritization at intersections.
50.03	Traction power supply: substations	
50.04	Traction power distribution: catenary and third rail	
50.05	Communications	Include passenger information systems at stations and on vehicles (real time travel information; static maps and schedules). Include equipment to allow communications among vehicles and with central control.
50.06	Fare collection system and equipment	Include fare sales and swipe machines, fare counting equipment.
50.07	Central Control	
Construction Subtotal (10 - 50)		

60 ROW, LAND, EXISTING IMPROVEMENTS		Include professional services associated with the real estate component of the project. These costs may include agency staff oversight and administration, real estate and relocation consultants, legal counsel, court expenses, insurance, etc.
60.01	Purchase or lease of real estate	If the value of right-of-way, land, and existing improvements is to be used as local match to the Federal funding of the project, include the total cost on this line item. In backup documentation, separate cost for land from cost for improvements. Identify whether items are leased, purchased or acquired through payment or for free. Include the costs for permanent surface and subsurface easements, trackage rights, etc.
60.02	Relocation of existing households and businesses	In compliance with Uniform Relocation Act.
70 VEHICLES (number)		Include professional services associated with the vehicle component of the project. These costs may include agency staff oversight and administration, vehicle consultants, design and manufacturing contractors, legal counsel, warranty and insurance costs, etc.
70.01	Light Rail	Include light rail and streetcar rail using electric, diesel or other power supply.
70.02	Heavy Rail	
70.03	Commuter Rail	Include locomotives (diesel, electric, or other), trailer cars, self-propelled multiple units (EMU electric or DMU diesel, or other power supply)
70.04	Bus	Includes "rubber-tired" buses and trolleys including new, used, historic replica, articulated, using electric, diesel, dual-power, or other power supply.
70.05	Other	Include Vans, Sedan/Station Wagon, Cable Car, People Mover, Monorail, Car/Inclined Railway, Ferry Boat, Transferred Vehicle
70.06	Non-revenue vehicles	
70.07	Spare parts	
80 PROFESSIONAL SERVICES (applies to Cats. 10-50)		Cat. 80 applies to Cats. 10-50. Cat. 80 includes all professional, technical and management services related to the design and construction of fixed infrastructure (Cats. 10 - 50) during the preliminary engineering, final design, and construction phases of the project. This includes environmental work, design, engineering and architectural services; specialty services such as safety or security analyses; value engineering, risk assessment, cost estimating, scheduling, Before and After studies, ridership modeling and analyses, auditing, legal services, administration and management, etc. by agency staff or outside consultants.
80.01	Preliminary Engineering	
80.02	Final Design	
80.03	Project Management for Design and Construction	Include professional liability insurance and other non-construction insurance on 80.05 unless insurance for the agency and its consultants is already included in other lines.
80.04	Construction Administration & Management	Include costs associated with professional services related to real estate and vehicles in Cats. 60 and 70.
80.05	Professional Liability and other Non-Construction Insurance	<i>(Note that costs for alternatives analysis and NEPA work done before FTA approval to enter preliminary engineering (PE), regardless of funding source, are not included in an FFGA and therefore, should not be included in the Standard Cost Category worksheets. For example, on one and the same grant, costs incurred prior to FTA approval to enter PE should be omitted from these worksheets whereas costs incurred after FTA approval to enter PE should be included.)</i>
80.06	Legal; Permits; Review Fees by other agencies, cities, etc.	
80.07	Surveys, Testing, Investigation, Inspection	
80.08	Start up	Include start up and training. Include in Cats. 10 - 50 above access and protection work by agency staff or outside contractors.
Subtotal (10 - 80)		
90 UNALLOCATED CONTINGENCY		Includes unallocated contingency, project reserves. Document allocated contingencies for individual line items on the Main worksheets.
Subtotal (10 - 90)		
100 FINANCE CHARGES		Include finance charges expected to be paid by the project sponsor/grantee prior to either the completion of the project or the fulfillment of the New Starts funding commitment, whichever occurs later in time. Finance charges incurred after this date should not be included in Total Project Cost. (See FFGA Circular FTA C5200.1A Chapter III for additional information.) Derive finance charges from the New Starts project's financial plan, based on an analysis of the sources and uses of funds. The amount and type of debt financing required and revenues available determine the finance charges. By year, compute finance charges in year-of-expenditure (YOE) dollars. On the Inflation Calculation to YOE worksheet enter the finance charges for the appropriate years.
Total Project Cost (10 - 100)		

14-Series TEAM Scope / Activity Line Items

Required for all grants that serve a Capital Project

(Rev.12, July 31, 2009)

1. HOW DO THE SCC AND TEAM RELATE?

TEAM is for grants management. Many grants can serve a capital project -- e.g. CMAQ, 5307, 5309, etc. The Standard Cost Categories (SCC) are for cost management, day to day as well as at important milestones.

To manage capital project costs use the SCC worksheets, back up sheets, detailed cost estimates, etc. At important milestones, "paperclip" the SCC worksheets to the applicable grants in TEAM.

TEAM and the SCC support each other but TEAM doesn't duplicate the level of information in the SCC. Grant budgets will have just the ten lines.

2. WHEN SHOULD I USE THE 14-SERIES?

Use it for capital projects. For New Starts project, use it from the very first grant that funds Preliminary Engineering, and include all grants issued through the FFGA; these grants may be small or large and may derive funding from diverse sources such as CMAQ, 5307, 5309 Fixed Guideway Mod, 5309 New Starts, Federal Non-Transportation funding from HUD, Defense, etc.

3. HOW IS THE 14-SERIES ORGANIZED AND WHY?

The 14-Series has one Scope and 10 ALIs. The organization is intentionally simple. Put guideway costs under the Guideway ALI, station costs under the Station ALI. If the costs are organized simply, the information will be consistent program-wide and will produce a reliable database. For Vehicles, use the 13-Series ALIs.

140-00 PROJECT NAME - (this is the one Scope)

14.01.10 GUIDEWAY & TRACK ELEMENTS

.01 Bus STD 40 FT

.02 Bus STD 35 FT

.03 Bus 30 FT

14.02.20 STATIONS, STOPS, TERMINALS, INTERMODAL

.04 Bus < 30 FT

.05 Bus School

.06 Bus Articulated

14.03.30 SUPPORT FACILITIES: YARDS, SHOPS, ADMIN BLDGS

.07 Bus Commuter / Suburban

.08 Bus Intercity

.09 Bus Trolley STD

14.04.40 SITework & SPECIAL CONDITIONS

Engineering & Design

.10 Bus Trolley Artic.

13.11.XX

.11 Bus Double Deck

.12 Bus Used

14.05.50 SYSTEMS

Purchase - Replacement

.13 Bus School Used

13.12.XX

.14 Bus Dual Mode

.15 Vans

14.06.60 ROW, LAND, EXISTING IMPROVEMENTS

Purchase - Expansion

.16 Sedan / Station Wagon

13.13.XX

.20 Light Rail Cars

.21 Heavy Rail Cars

13____ VEHICLES - use the 13-Series ALIs for vehicles.

Rehabilitation / Rebuild

.22 Commuter Rail Self Propelled Electric

13.14.XX

.23 Commuter Rail Car Trailer

.24 Commuter Rail Locomotive Diesel

14.08.80 PROFESSIONAL SERVICES

Mid Life Rebuild (Rail)

.25 Commuter Rail Locomotive Electric

13.15.XX

.26 Commuter Rail Cars Used

.27 Commuter Rail Locomotive Used

14.09.90 UNALLOCATED CONTINGENCY

Lease - Replacement

.28 Commuter Rail Self Propelled - Diesel

13.16.XX

.30 Cable Car

.31 People Mover

14.10.10 FINANCE CHARGES

Lease - Expansion

.32 Car, Incline Railway

13.18.XX

.33 Ferry Boats

.39 Transferred Vehicles

Vehicle Overhaul

.40 Spare Parts/Assoc.Capital

13.17.00

/ Maintenance Items

SCHEDULE

(Rev.12, July 31, 2009)

Insert Project Sponsor's Name here

Today's Date

2/18/10

Insert Project Name and Location

Yr of Base Year \$

2009

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

Yr of Revenue Ops

2013

Insert comments, notes, etc.

Start Date

End Date

Preliminary Engineering

01/15/10

01/15/11

Design

Develop cost estimate, schedule, ridership forecast

Conduct reviews

Develop FEIS, receive Record of Decision

Submit request / receive FTA approval to enter Final Design

Final Design

12/15/11

06/15/12

Develop the contract documents for the Build Alternative

Develop cost estimate, schedule

Acquire real estate; relocate households and businesses

Conduct reviews

Submit request / receive FTA approval for FFGA

Issue requests for bids, make awards of construction contracts

Construction

06/01/13

12/15/14

Construct fixed infrastructure

Finalize real estate acquisitions and relocations

Acquire and test vehicles

Revenue Ops / Closeout of Project

01/01/15

01/01/17

Revenue Operations

Before and After Study: Two years post Rev Ops

Fulfillment of the New Starts funding commitment

Completion of project close-out, resolution of claims

ANNUALIZED COST-BUILD ALTERNATIVE

(Rev.12, July 31, 2009)

Insert Project Sponsor's Name here

Today's Date **2/18/10**

Insert Project Name and Location

Yr of Base Year \$ 2009

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

Yr of Revenue Ops 2013

	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) [0.07/1 - (1.07)^- no. yrs]	Annualized Cost (X000)
10 GUIDEWAY & TRACK ELEMENTS (route miles)	4.45	24,905	4,729	0	29,634			2,388
10.01 Guideway: At-grade exclusive right-of-way	0.00	0	0		0	125	0.0700	0
10.02 Guideway: At-grade semi-exclusive (allows cross-traffic)	4.45	24,905	4,729		29,634	30	0.0806	2,388
10.03 Guideway: At-grade in mixed traffic	0.00	0	0		0	20	0.0944	0
10.04 Guideway: Aerial structure	0.00	0	0		0	80	0.0703	0
10.05 Guideway: Built-up fill	0.00	0	0		0	80	0.0703	0
10.06 Guideway: Underground cut & cover	0.00	0	0		0	125	0.0700	0
10.07 Guideway: Underground tunnel	0.00	0	0		0	125	0.0700	0
10.08 Guideway: Retained cut or fill	0.00	0	0		0	125	0.0700	0
10.09 Track: Direct fixation		0	0		0	30	0.0806	0
10.10 Track: Embedded		0	0		0	20	0.0944	0
10.11 Track: Ballasted		0	0		0	35	0.0772	0
10.12 Track: Special (switches, turnouts)		0	0		0	30	0.0806	0
10.13 Track: Vibration and noise dampening		0	0		0	30	0.0806	0
20 STATIONS, STOPS, TERMINALS, INTERMODAL (number)	30	11,781	2,237	0	14,018			990
20.01 At-grade station, stop, shelter, mall, terminal, platform	30	11,781	2,237		14,018	70	0.0706	990
20.02 Aerial station, stop, shelter, mall, terminal, platform	0	0	0		0	70	0.0706	0
20.03 Underground station, stop, shelter, mall, terminal, platform	0	0	0		0	125	0.0700	0
20.04 Other stations, landings, terminals: Intermodal, ferry, trolley, etc.	0	0	0		0	70	0.0706	0
20.05 Joint development		0	0		0	70	0.0706	0
20.06 Automobile parking multi-story structure		0	0		0	50	0.0725	0
20.07 Elevators, escalators		0	0		0	30	0.0806	0
30 SUPPORT FACILITIES: YARDS, SHOPS, ADMIN. BLDGS		2,275	432	0	2,707			196
30.01 Administration Building: Office, sales, storage, revenue counting		0	0		0	50	0.0725	0
30.02 Light Maintenance Facility		0	0		0	50	0.0725	0
30.03 Heavy Maintenance Facility		2,275	432		2,707	50	0.0725	196
30.04 Storage or Maintenance of Way Building		0	0		0	50	0.0725	0
30.05 Yard and Yard Track		0	0		0	80	0.0703	0
40 SITEWORK & SPECIAL CONDITIONS		9,360	1,777	0	11,137			820
40.01 Demolition, Clearing, Earthwork		0	0		0	125	0.0700	0
40.02 Site Utilities, Utility Relocation		0	0		0	125	0.0700	0
40.03 Haz. mat'l, contam'd soil removal/mitigation, ground water treatments		0	0		0	125	0.0700	0
40.04 Environmental mitigation, e.g. wetlands, historic/archeologic, parks		0	0		0	125	0.0700	0
40.05 Site structures including retaining walls, sound walls		8,060	1,531		9,591	80	0.0703	674
40.06 Pedestrian / bike access and accommodation, landscaping		0	0		0	20	0.0944	0
40.07 Automobile, bus, van accessways including roads, parking lots		1,300	247		1,547	20	0.0944	146
40.08 Temporary Facilities and other indirect costs during construction		0	0		0	100	0.0701	0
50 SYSTEMS		1,050	199	0	1,249			101
50.01 Train control and signals		0	0		0	30	0.0806	0
50.02 Traffic signals and crossing protection		1,050	199		1,249	30	0.0806	101
50.03 Traction power supply: substations		0	0		0	50	0.0725	0
50.04 Traction power distribution: catenary and third rail		0	0		0	30	0.0806	0
50.05 Communications		0	0		0	20	0.0944	0
50.06 Fare collection system and equipment		0	0		0	25	0.0858	0
50.07 Central Control		0	0		0	30	0.0806	0
Construction Subtotal (10 - 50)		49,371	9,375	0	58,746			4,495
60 ROW, LAND, EXISTING IMPROVEMENTS		18,330		0	18,330			1,283
60.01 Purchase or lease of real estate		5,330			5,330	125	0.0700	373
60.02 Relocation of existing households and businesses		13,000			13,000	125	0.0700	910
70 VEHICLES (number)	9	4,900		0	4,900			617
70.01 Light Rail	0	0			0	25	0.0858	0
70.02 Heavy Rail	0	0			0	25	0.0858	0
70.03 Commuter Rail	0	0			0	25	0.0858	0
70.04 Bus	8	4,400			4,400	12	0.1259	554
70.05 Other	0	0			0	12	0.1259	0
70.06 Non-revenue vehicles	0	0			0	12	0.1259	0
70.07 Spare parts	1	500			500	12	0.1259	63
80 PROFESSIONAL SERVICES (applies to Cats. 10-50)		9,375						
80.01 Preliminary Engineering		2,604						
80.02 Final Design		2,604						
80.03 Project Management for Design and Construction		3,125						
80.04 Construction Administration & Management		0						
80.05 Professional Liability and other Non-Construction Insurance		1,042						
80.06 Legal; Permits; Review Fees by other agencies, cities, etc.		0						
80.07 Surveys, Testing, Investigation, Inspection		0						
80.08 Start up		0						
Subtotal (10 - 80)		81,976						
90 UNALLOCATED CONTINGENCY		0						
Subtotal (10 - 90)		81,976	9,375	0	81,976			6,396

FUNDING SOURCES BY CATEGORY

(Rev.12, July 31, 2009)

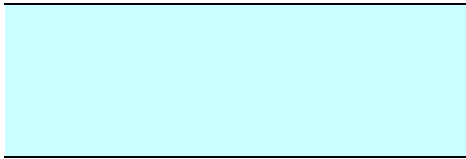
Insert Project Sponsor's Name here

Today's Date **2/18/10**

Insert Project Name and Location

Insert Current Phase (e.g. Applic.for PE, PE, FD, Applic.for FFGA, Construction, Rev Ops)

	Cost		Funding Summary			80%	20%						
	YOE Cost (X000)	Double-check Total	Federal 5309 New Starts Funds	Federal Other Funds	Local Funds	Federal 5309 Small Starts	Local	Federal Other	Local	Federal Other	Local	Federal Other	Local
10 GUIDEWAY & TRACK ELEMENTS (route miles)	26,493	26,575	21,260	0	5,315	21,260	5,315						
20 STATIONS, STOPS, TERMINALS, INTERMODAL (number)	13,915	12,959	10,367	0	2,592	10,367	2,592						
30 SUPPORT FACILITIES: YARDS, SHOPS, ADMIN. BLDGS	2,420	0	0	0	0	0	0						
40 SITEWORK & SPECIAL CONDITIONS	8,574	0	0	0	0	0	0						
50 SYSTEMS	1,117	1,904	1,523	0	381	1,523	381						
60 ROW, LAND, EXISTING IMPROVEMENTS	19,262	27,253	21,802	0	5,451	21,802	5,451						
70 VEHICLES (number)	5,277	5,277	4,222	0	1,055	4,222	1,055						
80 PROFESSIONAL SERVICES (applies to Cats. 10-50)	9,732	9,328	7,462	0	1,866	7,462	1,866						
90 UNALLOCATED CONTINGENCY	0	0	0	0	0	0	0						
100 FINANCE CHARGES	0	0	0	0	0	0	0						
Total Project Cost (10 - 100)	86,790	83,296	66,636	0	16,660	66,636	16,660	0	0	0	0	0	0
Percentage of Total Project Cost	100%		76.8%	0.0%	19.2%	76.8%	19.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
			76.8%	19.2%									
			95.97%										



2009	2010	2011	2012	2013
2,344	8,664	34,816	40,966	0
1,798	8,930	25,523	30,385	
449	2,233	6,382	7,596	
2,247	11,163	31,905	37,981	0

MAIN WORKSHEET-BASELINE ALTERNATIVE

(Rev.12, July 31, 2009)

Insert Project Sponsor's Name here

Today's Date **2/18/10**

Insert Project Name and Location

Yr of Base Year \$ 2009

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

Yr of Revenue Ops 2013

	Quantity	Base Year Dollars w/o Contingency (X000)	Base Year Dollars Allocated Contingency (X000)	Base Year Dollars TOTAL (X000)	Base Year Dollars Unit Cost (X000)	Base Year Dollars Percentage of Construction Cost	Base Year Dollars Percentage of Total Project Cost	Baseline Alternative Cost Parameters (X000) see New Starts Reporting Instructions for additional info
10 GUIDEWAY & TRACK ELEMENTS (route miles)	1.80	1,318	395	1,713	\$ 952	14%	7%	
10.01 Guideway: At-grade exclusive right-of-way				0				
10.02 Guideway: At-grade semi-exclusive (allows cross-traffic)				0				1200/route mile
10.03 Guideway: At-grade in mixed traffic	1.80	1,318	395	1,713	\$ 952			
10.04 Guideway: Aerial structure				0				
10.05 Guideway: Built-up fill				0				
10.06 Guideway: Underground cut & cover				0				
10.07 Guideway: Underground tunnel				0				
10.08 Guideway: Retained cut or fill				0				
10.09 Track: Direct fixation				0				
10.10 Track: Embedded				0				
10.11 Track: Ballasted				0				
10.12 Track: Special (switches, turnouts)				0				
10.13 Track: Vibration and noise dampening				0				
20 STATIONS, STOPS, TERMINALS, INTERMODAL (number)	31	4,464	1,339	5,803	\$ 187	48%	24%	
20.01 At-grade station, stop, shelter, mall, terminal, platform	31	4,464	1,339	5,803	\$ 187			225/station
20.02 Aerial station, stop, shelter, mall, terminal, platform				0				
20.03 Underground station, stop, shelter, mall, terminal, platform				0				
20.04 Other stations, landings, terminals: Intermodal, ferry, trolley, etc.				0				
20.05 Joint development				0				
20.06 Automobile parking multi-story structure				0				
20.07 Elevators, escalators				0				
30 SUPPORT FACILITIES: YARDS, SHOPS, ADMIN. BLDGS	1.80	1,750	525	2,275	\$ 1,264	19%	9%	
30.01 Administration Building: Office, sales, storage, revenue counting				0				
30.02 Light Maintenance Facility				0				
30.03 Heavy Maintenance Facility		1,750	525	2,275				
30.04 Storage or Maintenance of Way Building				0				
30.05 Yard and Yard Track				0				
40 SITEWORK & SPECIAL CONDITIONS	1.80	1,500	450	1,950	\$ 1,083	16%	8%	
40.01 Demolition, Clearing, Earthwork				0				
40.02 Site Utilities, Utility Relocation				0				
40.03 Haz. mat'l, contam'd soil removal/mitigation, ground water treatments				0				
40.04 Environmental mitigation, e.g. wetlands, historic/archeologic, parks				0				
40.05 Site structures including retaining walls, sound walls				0				
40.06 Pedestrian / bike access and accommodation, landscaping				0				
40.07 Automobile, bus, van accessways including roads, parking lots		1,500	450	1,950				5.6/on-grade space
40.08 Temporary Facilities and other indirect costs during construction				0				
50 SYSTEMS	1.80	196	59	255	\$ 142	2%	1%	
50.01 Train control and signals				0				
50.02 Traffic signals and crossing protection		196	59	255				28/intersection
50.03 Traction power supply: substations				0				
50.04 Traction power distribution: catenary and third rail				0				
50.05 Communications				0				13.5/bus and 13.5/sign
50.06 Fare collection system and equipment				0				11.2/bus
50.07 Central Control				0				17 - 28 /bus
Construction Subtotal (10 - 50)	1.80	9,228	2,768	11,996	\$ 6,664	100%	49%	
60 ROW, LAND, EXISTING IMPROVEMENTS	1.80	1,550	465	2,015	\$ 1,119		8%	
60.01 Purchase or lease of real estate		1,550	465	2,015				
60.02 Relocation of existing households and businesses				0				
70 VEHICLES (number)	15	8,750	0	8,750	\$ 583		36%	
70.01 Light Rail				0				
70.02 Heavy Rail				0				
70.03 Commuter Rail				0				
70.04 Bus	15	8,250	0	8,250	\$ 550			500 conventional 750 articulated 1000 hybrid
70.05 Other				0				
70.06 Non-revenue vehicles				0				
70.07 Spare parts		500	0	500				
80 PROFESSIONAL SERVICES (applies to Cats. 10-50)	1.80	1,618	0	1,618	\$ 899	13%	7%	25-35% of Construction 10-50
80.01 Preliminary Engineering		539	0	539				
80.02 Final Design		539	0	539				
80.03 Project Management for Design and Construction		324	0	324				
80.04 Construction Administration & Management				0				
80.05 Professional Liability and other Non-Construction Insurance		216	0	216				
80.06 Legal; Permits; Review Fees by other agencies, cities, etc.				0				
80.07 Surveys, Testing, Investigation, Inspection				0				
80.08 Start up				0				
Subtotal (10 - 80)	1.80	21,146	3,233	24,379	\$ 13,544		100%	
90 UNALLOCATED CONTINGENCY				0			0%	
Subtotal (10 - 90)	1.80			24,379	\$ 13,544		100%	
100 FINANCE CHARGES				NA				
Total Project Cost (10 - 100)	1.80			24,379	\$ 13,544		100%	
Total Base Year Cost per Mile Not Including Vehicles (X000)					\$8,683			
Allocated Contingency as % of Base Yr Dollars w/o Cont.				15.29%				
Unallocated Contingency as % of Base Yr Dollars w/o Contingency				0.00%				
Total Contingency as % of Base Yr Dollars w/o Contingency				15.29%				
Unallocated Contingency as % of Subtotal (10 - 80)				0.00%				

ANNUALIZED COST-BASELINE ALTERNATIVE

(Rev.12, July 31, 2009)

Insert Project Sponsor's Name here

Today's Date **2/18/10**

Insert Project Name and Location

Yr of Base Year \$ 2009

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

Yr of Revenue Ops 2013

	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) [0.07/1 - (1.07)^- no. yrs]	Annualized Cost (X000)
10 GUIDEWAY & TRACK ELEMENTS (route miles)	1.80	1,713	231	0	1,944			184
10.01 Guideway: At-grade exclusive right-of-way	0.00	0	0	0	0	125	0.0700	0
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	1.80	1,713	231	0	1,944	20	0.0944	184
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
20 STATIONS, STOPS, TERMINALS, INTERMODAL (number)	31	5,803	783	0	6,586			465
20.01 At-grade station, stop, shelter, mall, terminal, platform	31	5,803	783	0	6,586	70	0.0706	465
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
30 SUPPORT FACILITIES: YARDS, SHOPS, ADMIN. BLDGS		2,275	307	0	2,582			187
30.01 Administration Building: Office, sales, storage, revenue counting	0	0	0	0	0	50	0.0725	0
30.02 Light Maintenance Facility	0	0	0	0	0	50	0.0725	0
30.03 Heavy Maintenance Facility	2,275	2,275	307	0	2,582	50	0.0725	187
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
40 SITEWORK & SPECIAL CONDITIONS	1,950	263	0	2,213				209
40.01 Demolition, Clearing, Earthwork	0	0	0	0	0	125	0.0700	0
40.02 Site Utilities, Utility Relocation	0	0	0	0	0	125	0.0700	0
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	0	0	0	0	0	125	0.0700	0
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	0	0	0	0	0	20	0.0944	0
40.07 Automobile, bus, van accessways including roads, parking lots	1,950	263	0	2,213	20	0.0944	209	
40.08 Temporary Facilities and other indirect costs during construction	0	0	0	0	100	0.0701	0	
50 SYSTEMS	255	34	0	289				23
50.01 Train control and signals	0	0	0	0	30	0.0806	0	
50.02 Traffic signals and crossing protection	255	34	0	289	30	0.0806	23	
50.03 Traction power supply: substations	0	0	0	0	50	0.0725	0	
50.04 Traction power distribution: catenary and third rail	0	0	0	0	30	0.0806	0	
50.05 Communications	0	0	0	0	20	0.0944	0	
50.06 Fare collection system and equipment	0	0	0	0	25	0.0858	0	
50.07 Central Control	0	0	0	0	30	0.0806	0	
Construction Subtotal (10 - 50)		11,996	1,618	0	13,614			1,068
60 ROW, LAND, EXISTING IMPROVEMENTS		2,015		0	2,015			141
60.01 Purchase or lease of real estate		2,015			2,015	125	0.0700	141
60.02 Relocation of existing households and businesses		0			0	125	0.0700	0
70 VEHICLES (number)	15	8,750		0	8,750			1,102
70.01 Light Rail	0	0			0	25	0.0858	0
70.02 Heavy Rail	0	0			0	25	0.0858	0
70.03 Commuter Rail	0	0			0	25	0.0858	0
70.04 Bus	15	8,250			8,250	12	0.1259	1,039
70.05 Other	0	0			0	12	0.1259	0
70.06 Non-revenue vehicles	0	0			0	12	0.1259	0
70.07 Spare parts	0	500			500	12	0.1259	63
80 PROFESSIONAL SERVICES (applies to Cats. 10-50)		1,618						
80.01 Preliminary Engineering		539						
80.02 Final Design		539						
80.03 Project Management for Design and Construction		324						
80.04 Construction Administration & Management		0						
80.05 Professional Liability and other Non-Construction Insurance		216						
80.06 Legal; Permits; Review Fees by other agencies, cities, etc.		0						
80.07 Surveys, Testing, Investigation, Inspection		0						
80.08 Start up		0						
Subtotal (10 - 80)		24,379						
90 UNALLOCATED CONTINGENCY		0						
Subtotal (10 - 90)		24,379	1,618	0	24,379			2,311

Major Capital Project Costs - By Segment

(Rev.12, July 31, 2009)

Project	(please insert your project name)	Today's Date
Location	(insert location)	Yr of Base Year Dollars
Number of Route Miles in the Segment		Number of Stations

Segment No. ___ of ___

(attach plan of segment and typical sections through segment, along with cost estimate per typical section)

	Low costs in Base Yr (X\$000) for potential cost savings*	"Most Likely" cost estimate in Base Yr (X\$000)	High costs in Base Yr Dollars (X\$000) for potential cost increases*
10 GUIDEWAY & TRACK ELEMENTS (route miles)	\$ -	\$ -	\$ -
10.01 Guideway: At-grade exclusive right-of-way			
10.02 Guideway: At-grade semi-exclusive (allows cross-traffic)			
10.03 Guideway: At-grade in mixed traffic			
10.04 Guideway: Aerial structure			
10.05 Guideway: Built-up fill			
10.06 Guideway: Underground cut & cover			
10.07 Guideway: Underground tunnel			
10.08 Guideway: Retained cut or fill			
10.09 Track: Direct fixation			
10.10 Track: Embedded			
10.11 Track: Ballasted			
10.12 Track: Special (switches, turnouts)			
10.13 Track: Vibration and noise dampening			
20 STATIONS, STOPS, TERMINALS, INTERMODAL (number)	\$ -	\$ -	\$ -
20.01 At-grade station, stop, shelter, mall, terminal, platform			
20.02 Aerial station, stop, shelter, mall, terminal, platform			
20.03 Underground station, stop, shelter, mall, terminal, platform			
20.04 Other stations, landings, terminals: Intermodal, ferry, trolley, etc.			
20.05 Joint development			
20.06 Automobile parking multi-story structure			
20.07 Elevators, escalators			
30 SUPPORT FACILITIES: YARDS, SHOPS, ADMIN. BLDGS	\$ -	\$ -	\$ -
30.01 Administration Building: Office, sales, storage, revenue counting			
30.02 Light Maintenance Facility			
30.03 Heavy Maintenance Facility			
30.04 Storage or Maintenance of Way Building			
30.05 Yard and Yard Track			
40 SITEWORK & SPECIAL CONDITIONS	\$ -	\$ -	\$ -
40.01 Demolition, Clearing, Earthwork			
40.02 Site Utilities, Utility Relocation			
40.03 Haz. mat'l, contam'd soil removal/mitigation, ground water treatments			
40.04 Environmental mitigation, e.g. wetlands, historic/archeologic, parks			
40.05 Site structures including retaining walls, sound walls			
40.06 Pedestrian / bike access and accommodation, landscaping			
40.07 Automobile, bus, van accessways including roads, parking lots			
40.08 Temporary Facilities and other indirect costs during construction			
60 ROW, LAND, EXISTING IMPROVEMENTS	\$ -	\$ -	\$ -
60.01 Purchase or lease of real estate			
60.02 Relocation of existing households and businesses			
TOTAL SEGMENT COST	\$ -	\$ -	\$ -

* Describe the risks, uncertainties, and opportunities associated with this segment, that prompted the inclusion of a low or high cost, in addition to a "most likely cost" for particular line items.

Using costs from this column, total all segments and insert into Main Worksheet Base Yr Dollars Total (X\$000)

Major Capital Project Costs - Project-wide

(Rev.12, July 31, 2009)

Project	(please insert your project name)	Today's Date	
Location	(insert location)	Yr of Base Year Dollars	
Total Number of Route Miles in Project		Number of Stations	

Project-wide Costs

	Low costs Base Yr (X\$000) <i>for potential cost savings*</i>	in "Most Likely" cost estimate in Base Yr (X\$000)	High costs in Base Yr Dollars (X\$000) <i>for potential cost increases*</i>
50 SYSTEMS	\$ -	\$ -	\$ -
50.01 Train control and signals			
50.02 Traffic signals and crossing protection			
50.03 Traction power supply: substations			
50.04 Traction power distribution: catenary and third rail			
50.05 Communications			
50.06 Fare collection system and equipment			
50.07 Central Control			
70 VEHICLES (number)	\$ -	\$ -	\$ -
70.01 Light Rail			
70.02 Heavy Rail			
70.03 Commuter Rail			
70.04 Bus			
70.05 Other			
70.06 Non-revenue vehicles			
70.07 Spare parts			
80 PROFESSIONAL SERVICES (applies to Cats. 10-50)	\$ -	\$ -	\$ -
80.01 Preliminary Engineering			
80.02 Final Design			
80.03 Project Management for Design and Construction			
80.04 Construction Administration & Management			
80.05 Professional Liability and other Non-Construction Insurance			
80.06 Legal; Permits; Review Fees by other agencies, cities, etc.			
80.07 Surveys, Testing, Investigation, Inspection			
80.08 Start up			
90 UNALLOCATED CONTINGENCY			
100 FINANCE CHARGES			
TOTAL PROJECT-WIDE COST	\$ -	\$ -	\$ -
* Describe the risks, uncertainties, and opportunities associated with this segment, that prompted the inclusion of a low or high cost, in addition to a "most likely cost" for particular line items.		Insert costs from this column into Main Worksheet Base Yr Dollars Total (X\$000)	

Attachment 3
Baseline Cost Estimate

Project Sponsor Name
Project Name

Table 1 - BCE by Standard Cost Category

<i>Applicable Line Items Only</i>	YOE Dollars Total (X000)
10 GUIDEWAY & TRACK ELEMENTS (route miles)	26,493
10.01 Guideway: At-grade exclusive right-of-way	0
10.02 Guideway: At-grade semi-exclusive (allows cross-traffic)	26,493
10.03 Guideway: At-grade in mixed traffic	0
10.04 Guideway: Aerial structure	0
10.05 Guideway: Built-up fill	0
10.06 Guideway: Underground cut & cover	0
10.07 Guideway: Underground tunnel	0
10.08 Guideway: Retained cut or fill	0
10.09 Track: Direct fixation	0
10.10 Track: Embedded	0
10.11 Track: Ballasted	0
10.12 Track: Special (switches, turnouts)	0
10.13 Track: Vibration and noise dampening	0
20 STATIONS, STOPS, TERMINALS, INTERMODAL (number)	13,915
20.01 At-grade station, stop, shelter, mall, terminal, platform	13,915
20.02 Aerial station, stop, shelter, mall, terminal, platform	0
20.03 Underground station, stop, shelter, mall, terminal, platform	0
20.04 Other stations, landings, terminals: Intermodal, ferry, trolley, etc.	0
20.05 Joint development	0
20.06 Automobile parking multi-story structure	0
20.07 Elevators, escalators	0
30 SUPPORT FACILITIES: YARDS, SHOPS, ADMIN. BLDGS	2,420
30.01 Administration Building: Office, sales, storage, revenue counting	0
30.02 Light Maintenance Facility	0
30.03 Heavy Maintenance Facility	2,420
30.04 Storage or Maintenance of Way Building	0
30.05 Yard and Yard Track	0
40 SITEWORK & SPECIAL CONDITIONS	8,574
40.01 Demolition, Clearing, Earthwork	0
40.02 Site Utilities, Utility Relocation	0
40.03 Haz. mat'l, contam'd soil removal/mitigation, ground water treatment	0
40.04 Environmental mitigation, e.g. wetlands, historic/archeologic, parks	0
40.05 Site structures including retaining walls, sound walls	7,383
40.06 Pedestrian / bike access and accommodation, landscaping	0
40.07 Automobile, bus, van accessways including roads, parking lots	1,191
40.08 Temporary Facilities and other indirect costs during construction	0
50 SYSTEMS	1,117
50.01 Train control and signals	0
50.02 Traffic signals and crossing protection	1,117
50.03 Traction power supply: substations	0
50.04 Traction power distribution: catenary and third rail	0
50.05 Communications	0
50.06 Fare collection system and equipment	0
50.07 Central Control	0
Construction Subtotal (10 - 50)	52,519
60 ROW, LAND, EXISTING IMPROVEMENTS	19,262
60.01 Purchase or lease of real estate	5,601
60.02 Relocation of existing households and businesses	13,661
70 VEHICLES (number)	5,277
70.01 Light Rail	0
70.02 Heavy Rail	0
70.03 Commuter Rail	0
70.04 Bus	4,738
70.05 Other	0
70.06 Non-revenue vehicles	0
70.07 Spare parts	538
80 PROFESSIONAL SERVICES (applies to Cats. 10-50)	9,732
80.01 Preliminary Engineering	2,703
80.02 Final Design	2,703
80.03 Project Management for Design and Construction	3,244
80.04 Construction Administration & Management	0
80.05 Professional Liability and other Non-Construction Insurance	1,082
80.06 Legal; Permits; Review Fees by other agencies, cities, etc.	0
80.07 Surveys, Testing, Investigation, Inspection	0
80.08 Start up	0
Subtotal (10 - 80)	86,790
90 UNALLOCATED CONTINGENCY	0
Subtotal (10 - 90)	86,790
100 FINANCE CHARGES	0
Total Project Cost (10 - 100)	86,790

Attachment 3
Baseline Cost Estimate

Project Sponsor Name
Project Name

Table 2 - Inflated Cost to Year of Expenditure

	Base Year Dollars w/o Contingency (X000)	Base Year Dollars Allocated Contingency (X000)	Base Year Dollars TOTAL (X000)	Inflation Factor	YOE Dollars Total (X000)
10 GUIDEWAY & TRACK ELEMENTS (route miles)	19,158	5,747	24,905	1.0638	26,493
20 STATIONS, STOPS, TERMINALS, INTERMODAL (number)	9,062	2,719	11,781	1.1811	13,915
30 SUPPORT FACILITIES: YARDS, SHOPS, ADMIN. BLDGS	1,750	525	2,275	1.0638	2,420
40 SITEWORK & SPECIAL CONDITIONS	7,200	2,160	9,360	0.9160	8,574
50 SYSTEMS	808	242	1,050	1.0638	1,117
60 ROW, LAND, EXISTING IMPROVEMENTS	14,100	4,230	18,330	1.0508	19,262
70 VEHICLES (number)	4,900	0	4,900	1.0769	5,277
80 PROFESSIONAL SERVICES (applies to Cats. 10-50)	9,375	0	9,375	1.0381	9,732
90 UNALLOCATED CONTINGENCY			0	#DIV/0!	0
100 FINANCE CHARGES			0	#DIV/0!	0
Total Project Cost (10 - 100)			81,976	1.0587	86,790

Attachment 3
Baseline Cost Estimate

Project Sponsor Name
Project Name

Table 3 - BCE by Source of Funding

	Total Project Cost in YOE Dollars (X000)	Double Check Total (X000)	Federal 5309 Small Starts	Federal Other	Local
10 GUIDEWAY & TRACK ELEMENTS (route miles)	26,493	117,867	50,000	2,867	65,000
20 STATIONS, STOPS, TERMINALS, INTERMODAL (number)	13,915	39,239	30,000	239	9,000
30 SUPPORT FACILITIES: YARDS, SHOPS, ADMIN. BLDGS	2,420	13,080	10,000	80	3,000
40 SITEWORK & SPECIAL CONDITIONS	8,574	58,858	15,000	18,858	25,000
50 SYSTEMS	1,117	40,525	20,000	5,525	15,000
60 ROW, LAND, EXISTING IMPROVEMENTS	19,262	29,448	10,000	448	19,000
70 VEHICLES (number)	5,277	25,161	10,000	161	15,000
80 PROFESSIONAL SERVICES (applies to Cats. 10-50)	9,732	65,585	50,000	585	15,000
90 UNALLOCATED CONTINGENCY	0	21,799	10,000	799	11,000
100 FINANCE CHARGES	0	3,500	2,000	0	1,500
Total Project Cost (10 - 100)	86,790	415,062	207,000	29,562	178,500

Sources of Federal Funding and Matching Share Ratios				
	Costs Attributed to Source of Funds (X000)	Federal/ Local Matching Ratio within Source	All Federal Funds (X000)	Local Funds (X000)
Federal 5309 New Starts	372,602	50/50	185,568	187,034
Federal Other (pls say what..)	140,000	71/29	100,000	40,000
Total	512,602		285,568	227,034
Overall Federal Share of Project			55.71%	
New Starts Share of Project			238.51%	

Attachment 3A
Project Budget

Project Sponsor Name
Project Name

Scope and Activity Description														
Scope Code	ALI Code	Scope and Activity Line Item Descriptions	Qty		Federal 5309 Small Starts			Federal Other			Project Totals			Total Project Cost in YOE Dollars (X000)
				Total Federal %	Federal	Local	Total	Federal	Local	Total	Federal	Local	Total	
14010	140110	GUIDEWAY & TRACK ELEMENTS	4.45	80.12%	759	25,000	25,759	100,000	0	100,000	100,759	25,000	125,759	26,493
14020	140220	STATIONS, STOPS, TERMINALS, INTERMODAL	30	13.44%	10,367	26,781	37,148	0	40,000	40,000	10,367	66,781	77,148	13,915
14030	140330	SUPPORT FACILITIES, YARDS, SHOPS, ADMIN. BLDGS.		50.51%	7,000	6,859	13,859	0	0	0	7,000	6,859	13,859	2,420
14040	140440	SITWORK & SPECIAL CONDITIONS		57.83%	15,000	10,938	25,938	0	0	0	15,000	10,938	25,938	8,574
14050	140550	SYSTEMS		53.66%	18,000	15,543	33,543	0	0	0	18,000	15,543	33,543	1,117
14060	140660	ROW, LAND, EXISTING IMPROVEMENTS		42.41%	10,000	13,582	23,582	0	0	0	10,000	13,582	23,582	19,262
14070		VEHICLES	9	39.60%	15,000	22,881	37,881	0	0	0	15,000	22,881	37,881	5,277
	13.13.20	Light Rail Cars	10											
	13.____													
14080	140880	PROFESSIONAL SERVICES		49.89%	45,000	45,200	90,200	0	0	0	45,000	45,200	90,200	9,732
14090	140990	UNALLOCATED CONTINGENCY		18.56%	4,559	20,000	24,559	0	0	0	4,559	20,000	24,559	0
14100	141010	FINANCE CHARGES		50.00%	250	250	500	0	0	0	250	250	500	0
Total Project Cost (10 - 100)				49.88%	125,935	187,034	312,969	100,000	40,000	140,000	225,935	227,034	452,969	86,790

