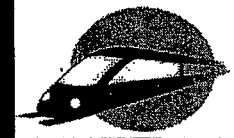


Paperwork Reduction Act Burden Statement

A federal agency may not conduct or sponsor, and a person is not required to respond to, nor shall a person be subject to a penalty for failure to comply with a collection of information subject to the requirements of the Paperwork Reduction Act unless that collection of information displays a currently valid OMB Control Number. The OMB Control Number for this information collection is 2130-0584. Public reporting for this collection of information is estimated to be approximately 10 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, completing and reviewing the collection of information. All responses to this collection of information are voluntary. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to: Information Collection Clearance Officer, Federal Railroad Administration 1200 New Jersey Avenue, SE, Washington, D.C. 20590.

HSIPR Project Application Supporting Forms

FD/Construction Individual Project Budget and Schedule Form



Welcome to the Individual FD/Construction Project Budget and Schedule Form. To begin, save this Excel workbook to your computer and open the file. The buttons below will help you to easily navigate the forms contained in this file. To get started click on the button labeled "1. General Info."

Note 1: Yellow cells require you to enter values and blue cells are set up to auto-populate based on formulas that are embedded in the forms. If you have questions about this form or the formulas and calculations contained herein, please email the HSIPR Program Manager at HSIPR@dot.gov.

Note 2: For purposes of this application, "Fiscal Year (FY)" refers to the Federal fiscal year (October 1- September 30).

Color Key for Completing this Form:

Cell Type/Color:	Applicant Must Input Value	Template will Auto Populate	FRA Use Only: Applicant Does Not Complete
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Buttons for Pages within this Form:

1. General Info. (click here first)

2. Capital Cost Info. (Standard Cost Categories for reference)

2a. Detailed Capital Cost Budget

2b. Annual Capital Cost Budget

3. Project Schedule

General Information

Please enter the required data into the yellow cells.

This information will auto-populate other areas of the HSIPR Project Budget and Schedule Form.

Project Name
(same as on Application Form)

--

Please enter required Contingency and Inflation rates into the yellow cells.

Capital Cost Categories*

- 10 Track Structures and Track
- 20 Stations, Terminals, Intermodal
- 30 Support Facilities: Yards, Shops, Admin. Bldgs
- 40 Sitework, ROW, Land, Existing Improvements & Special Conditions
- 50 Communications & Signaling
- 60 Electric Traction
- 70 Vehicles
- 80 Professional Services (applies to Cats. 10-60)
- 90 Unallocated Contingency
- 100 Finance Charges

Contingency Rate Assumption (%)**	Inflation Rate Assumption (%)

* See the "Capital Cost Info." tab for definitions and explanations of the Standard Capital Cost (SCC) Categories.

**Unless explicitly and adequately justified, total contingencies for cost estimates developed during Final Design should be no greater than 10%.

FRA Standard Cost Categories for Capital Projects/Programs*		Notes
10 TRACK STRUCTURES & TRACK		
10.01	Track structure: Viaduct	Include elevated track structure of significant length consisting of multiple spans of generally equal length
10.02	Track structure: Major/Movable bridge	Include all elevated track structures with a movable span, and/or with a span of significant length (generally of approximately 400' or longer)
10.03	Track structure: Undergrade Bridges	Include elevated track structure of greater than 20 feet that does not fall into 10.01 and 10.02
10.04	Track structure: Culverts and drainage structures	Include all minor undergrade passageways (generally of 20 feet or less in width)
10.05	Track structure: Cut and Fill (> 4' height/depth)	Include grading and subgrade stabilization of roadbed
10.06	Track structure: At-grade (grading and subgrade stabilization)	All grading and subgrade stabilization of roadbed not included under cost categories 10.01 through 10.05 and 10.07
10.07	Track structure: Tunnel	Definition self-explanatory
10.08	Track structure: Retaining walls and systems	Definition self-explanatory
10.09	Track new construction: Conventional ballasted	Include all ballasted track construction on prepared subgrade, on new or existing rights-of-way
10.10	Track new construction: Non-ballasted	Include all slab, direct fixation, embedded, and other non-ballasted track construction on prepared subgrade, on new or existing rights-of-way
10.11	Track rehabilitation: Ballast and surfacing	Include undercutting, ballast cleaning, tamping, and surfacing not associated with new track construction
10.12	Track rehabilitation: Ditching and drainage	Definition self-explanatory
10.13	Track rehabilitation: Component replacement (rail, ties, etc)	Definition self-explanatory
10.14	Track: Special track work (switches, turnouts, insulated joints)	Include minor turnouts and interlocking, such as crossovers and turnouts at the ends of passing tracks
10.15	Track: Major interlockings	Significant interlockings at major stations and where routes converge from three or more directions
10.16	Track: Switch heaters (with power and control)	Include cost of power distribution equipment from commercial power source to interlocking location
10.17	Track: Vibration and noise dampening	Definition self-explanatory
10.18	Other linear structures including fencing, sound walls	Definition self-explanatory
20 STATIONS, TERMINALS, INTERMODAL		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 systems; safety systems such as fire detection and prevention, security surveillance, access control, life safety systems, etc. Include all construction materials and labor regardless of who is performing the work.
20.01	Station buildings: Intercity passenger rail only	Definition self-explanatory
20.02	Station buildings: Joint use (commuter rail, intercity bus)	Definition self-explanatory
20.03	Platforms	Definition self-explanatory
20.04	Elevators, escalators	Definition self-explanatory
20.05	Joint commercial development	Construction at station sites intended to support non-transportation commercial activities (shopping, restaurants, residential, office space). Do not include cost of incidental commercial use of station space intended for use by passengers (newsstands, snack bar, etc). Costs may not be allowable for Federal reimbursement
20.06	Pedestrian / bike access and accommodation, landscaping, parking lots	Include sidewalks, paths, plazas, landscape, site and station furniture, site lighting, signage, public artwork, bike facilities, permanent fencing
20.07	Automobile, bus, van accessways including roads	Include all on-grade paving
20.08	Fare collection systems and equipment	Include fare sales and swipe machines, fare counting equipment
20.09	Station security	Definition self-explanatory
30 SUPPORT FACILITIES: YARDS, SHOPS, ADMIN. BLDGS		
30.01	Administration building: Office, sales, storage, revenue counting	Definition self-explanatory
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/bases	Definition Self-explanatory
30.05	Yard and yard track	Include yard construction and track associated with yard
40 SITEWORK, RIGHT OF WAY, LAND, EXISTING IMPROVEMENTS		Include all construction materials and labor regardless of who is performing the work.
40.01	Demolition, clearing, site preparation	Include project/program-wide clearing, demolition and fine grading
40.02	Site utilities, utility relocation	Include all site utilities-storm, sewer, water, gas, electric
40.03	Hazardous material, contaminated soil removal/mitigation, ground water treatments	Include underground storage tanks, fuel tanks, other hazardous materials and treatments, etc.
40.04	Environmental mitigation: wetlands, historic/archeology, parks	Include other environmental mitigation not listed
40.05	Site structures including retaining walls, sound walls	Definition self-explanatory
40.06	Temporary facilities and other indirect costs during construction	Definition self-explanatory
40.07	Purchase or lease of real estate	If the value of right-of-way, land, and existing improvements is to be used as in-kind local
40.08	Highway/pedestrian overpass/grade separations	Definition self-explanatory
40.09	Relocation of existing households and businesses	In compliance with Uniform Relocation Act

50 COMMUNICATIONS & SIGNALING			
50.01	Wayside signaling equipment	Definition Self-explanatory	
50.02	Signal power access and distribution	Definition Self-explanatory	
50.03	On-board signaling equipment	Include on-board cab signal, Automatic Train Control (ATC), and Positive Train Control (PTC) related equipment	
50.04	Traffic control and dispatching systems	Definition self-explanatory	
50.05	Communications	Definition self-explanatory	
50.06	Grade crossing protection	Definition self-explanatory	
50.07	Hazard detectors: dragging equipment high water, slide, etc.	Definition self-explanatory	
50.08	Station train approach warning system	Definition self-explanatory	
60 ELECTRIC TRACTION			
60.01	Traction power transmission: High voltage	Definition self-explanatory	
60.02	Traction power supply: Substations	Definition self-explanatory	
60.03	Traction power distribution: Catenary and third rail	Definition self-explanatory	
60.04	Traction power control	Definition self-explanatory	
70 VEHICLES			
Include professional services associated with the vehicle component of the project/program. These costs may include agency staff oversight and administration, vehicle consultants, design and manufacturing contractors, legal counsel, warranty and insurance costs, etc.			
70.00	Vehicle acquisition: Electric locomotive	Definition self-explanatory	
70.01	Vehicle acquisition: Non-electric locomotive	Definition self-explanatory	
70.02	Vehicle acquisition: Electric multiple unit	Definition self-explanatory	
70.03	Vehicle acquisition: Diesel multiple unit	Definition self-explanatory	
70.04	Veh acq: Loco-hauled passenger cars w/ ticketed space	Include cars with coach space, sleeping compartments, etc.	
70.05	Veh acq: Loco-hauled passenger cars w/o ticketed space	Include dedicated food service, lounge, baggage and other service support cars	
70.06	Vehicle acquisition: Maintenance of way vehicles	Definition self-explanatory	
70.07	Vehicle acquisition: Non-railroad support vehicles	Include hi-rail bucket trucks, and other highway vehicles	
70.08	Vehicle refurbishment: Electric locomotive	Definition self-explanatory	
70.09	Vehicle refurbishment: Non-electric locomotive	Definition self-explanatory	
70.10	Vehicle refurbishment: Electric multiple unit	Definition self-explanatory	
70.11	Vehicle refurbishment: Diesel multiple unit	Definition self-explanatory	
70.12	Veh refurb: Passeng. loco-hauled car w/ ticketed space	Include coaches, sleeping cars, etc.	
70.13	Veh refurb: Non-passeng loco-hauled car w/o ticketed space	Include food service, lounge, baggage and other service support cars	
70.14	Vehicle refurbishment: Maintenance of way vehicles	Definition self-explanatory	
70.15	Spare parts	Definition self-explanatory	
80 PROFESSIONAL SERVICES (applies to Cats. 10-60)			
80.01	Service Development Plan/Service Environmental	Cat. 80 applies to Cats. 10-60. Cat. 80 includes all professional, technical and management services related to the design and construction of infrastructure (Cats. 10 - 60) during the preliminary engineering, final design, and construction phases of the project/program (as applicable). This includes environmental work, design, engineering and architectural services; specialty services such as safety or security analyses; value engineering, risk assessment, cost estimating, scheduling, ridership modeling and analyses, auditing, legal services, administration and management, etc. by agency staff or outside consultants.	
80.02	Preliminary Engineering/Project Environmental		
80.03	Final design		
80.04	Project management for design and construction		
80.05	Construction administration & management		
80.06	Professional liability and other non-construction insurance		
80.07	Legal; Permits; Review Fees by other agencies, cities, etc.		
80.08	Surveys, testing, investigation		
80.09	Engineering inspection		Definition self-explanatory
80.10	Start up		Definition self-explanatory
90 UNALLOCATED CONTINGENCY			
Includes unallocated contingency, project/program reserves. Document allocated contingencies for individual line items on Detailed Capital Cost Budget.			
100 FINANCE CHARGES			
Include finance charges expected to be paid by the project/program sponsor/grantee prior to either the completion of the project or the fulfillment of the FRA funding commitment, whichever occurs later in time. Finance charges incurred after this date should not be included in Total Project Cost. Derive finance charges from the project's financial plan, based on an analysis of the sources and uses of funds.			

*NOTE: To help evaluate and compare the costs of different projects, FRA has developed 10 main Standardized Capital Cost Categories. These are provided to establish consistency in the use of the worksheets. 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 60. Put design, administration, testing, etc. in "80 Professional Services." If you are not sure where to put a certain element of the project, consider the issue in general terms, using this sheet as a guide.

Detailed Capital Cost Budget

Instructions:

To assist FRA in comparing projects, this form provides a breakdown of capital cost using Standard Cost Categories (SCCs). Definitions of FRA's SCCs can be found in the "Capital Cost Info" tab of this workbook. The data you enter in this form should be drawn from budget estimates or analysis you have available for your project.

1. Enter values in the yellow cells below. You should only provide data for those costs categories associated with this project; leave other cells blank.

2. The light blue cells will auto-populate based on the Contingency rates entered in "General Info."

3. Explain any large discrete, identifiable and/or unique capital investments in the space provided at the bottom of this form. Where an explanation is appropriate, place an asterisk in the far right column to denote that an explanation is provided. Please include the reference to the Cost Category number in your explanation. Example: "10.07: Tunnel at [location], #.# miles in length, consists of one twin-tube New Austrian Tunneling Method tunnel with cross-passages located every .25 miles."

4. For purposes of this application "Base Year Dollars" are Fiscal Year (FY) 2011 Dollars.

Project Name: _____

APPLICANT INPUTS

	Unit	Quantity	Unit Cost (Thousands of Base Yr/FY 11 Dollars)	Non-Unit Based Costs	Total Allocated Cost (Thousands of Base Yr/FY 11 Dollars)	Allocated Contingency (Thousands of Base Yr/FY 11 Dollars)	TOTAL COST (Thousands of Base Yr/FY 11 Dollars)	Explanation Provided? (if so use *)
10 TRACK STRUCTURES & TRACK								
10.01 Track structure: Viaduct	Miles				\$	\$	\$	
10.02 Track structure: Major/Movable bridge								
10.03 Track structure: Undergrade Bridges								
10.04 Track structure: Culverts and drainage structures	#							
10.05 Track structure: Cut and Fill (> 4' height/depth)	Miles							
10.06 Track structure: At-grade (grading and subgrade stabilization)	Miles							
10.07 Track structure: Tunnel								
10.08 Track structure: Retaining walls and systems	Miles							
10.09 Track new construction: Conventional ballasted								
10.10 Track new construction: Non-ballasted								
10.11 Track rehabilitation: Ballast and surfacing								
10.12 Track rehabilitation: Ditching and drainage								
10.13 Track rehabilitation: Component replacement (rail, ties, etc)								
10.14 Track: Special track work (switches, turnouts, insulated joints)								
10.15 Track: Major interlockings								
10.16 Track: Switch heaters (with power and control)								
10.17 Track: Vibration and noise dampening								
10.18 Other linear structures including fences, sound walls	Miles							
20 STATIONS, TERMINALS, INTERMODAL								
20.01 Station buildings: Intercity passenger rail only					\$	\$	\$	
20.02 Station buildings: Joint use (commuter rail, intercity bus)								
20.03 Platforms								
20.04 Elevators, escalators								
20.05 Joint commercial development								
20.06 Pedestrian / bike access and accommodation, landscaping, parking								
20.07 Automobile, bus, van accessways including roads								
20.08 Fare collection systems and equipment								
20.09 Station security								
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/bases								
30.05 Yard and yard track								
40 SITEWORK, RIGHT OF WAY, LAND, EXISTING IMPROVEMENTS								
40.01 Demolition, clearing, site preparation								
40.02 Site utilities, utility relocation								
40.03 Hazardous material, contaminated soil removal/mitigation, ground water treatments								
40.04 Environmental mitigation: wetlands, historic/archeology, parks								
40.05 Site structures including retaining walls, sound walls								
40.06 Temporary facilities and other indirect costs during construction								
40.07 Purchase or lease of real estate								
40.08 Highway/pedestrian overpass/grade separations								
40.09 Relocation of existing households and businesses								
50 COMMUNICATIONS & SIGNALING								
50.01 Wayside signaling equipment								
50.02 Signal power access and distribution								
50.03 On-board signaling equipment								
50.04 Traffic control and dispatching systems								
50.05 Communications								
50.06 Grade crossing protection								
50.07 Hazard detectors (dragging equipment, slide, etc.)								
50.08 Station train approach warning system								
60 ELECTRIC TRACTION								
60.01 Traction power transmission: High voltage								
60.02 Traction power supply: Substations	#							
60.03 Traction power distribution: Catenary and third rail	#							
60.04 Traction power control								
Construction Subtotal (10-60)					\$	\$	\$	

Project Name: 10

APPLICANT INPUTS

	Unit	Quantity	Unit Cost (Thousands of Base Yr/FY 11 Dollars)	Non-Unit Based Costs	Total Allocated Cost (Thousands of Base Yr/FY 11 Dollars)	Allocated Contingency (Thousands of Base Yr/FY 11 Dollars)	TOTAL COST (Thousands of Base Yr/FY 11 Dollars)	Explanation Provided? (If so use "Y")
70 VEHICLES								
70.00 Vehicle acquisition: Electric locomotive	#				\$	\$	\$	
70.01 Vehicle acquisition: Non-electric locomotive	#				\$	\$	\$	
70.02 Vehicle acquisition: Electric multiple unit	#				\$	\$	\$	
70.03 Vehicle acquisition: Diesel multiple unit	#				\$	\$	\$	
70.04 Veh acc: Loco-hauled passenger cars w/ ticketed space	#				\$	\$	\$	
70.05 Veh acc: Loco-hauled passenger cars w/o ticketed space	#				\$	\$	\$	
70.06 Vehicle acquisition: Maintenance of way vehicles	#				\$	\$	\$	
70.07 Vehicle acquisition: Non-railroad support vehicles	#				\$	\$	\$	
70.08 Vehicle refurbishment: Electric locomotive	#				\$	\$	\$	
70.09 Vehicle refurbishment: Non-electric locomotive	#				\$	\$	\$	
70.10 Vehicle refurbishment: Electric multiple unit	#				\$	\$	\$	
70.11 Vehicle refurbishment: Diesel multiple unit	#				\$	\$	\$	
70.12 Veh refurb: Passeng. loco-hauled car w/ ticketed space	#				\$	\$	\$	
70.13 Veh refurb: Non-passeng loco-hauled car w/o ticketed space	#				\$	\$	\$	
70.14 Vehicle refurbishment: Maintenance of way vehicles	#				\$	\$	\$	
70.15 Spare parts					\$	\$	\$	
80 PROFESSIONAL SERVICES (applies to Cats. 10-60)								
80.01 Service Development Plan/Service Environmental					\$	\$	\$	
80.02 Preliminary Engineering/Protect Environmental					\$	\$	\$	
80.03 Final design					\$	\$	\$	
80.04 Project management for design and construction					\$	\$	\$	
80.05 Construction administration & management					\$	\$	\$	
80.06 Professional liability and other non-construction insurance					\$	\$	\$	
80.07 Legal: Permits; Review Fees by other agencies, cities, etc.					\$	\$	\$	
80.08 Surveys, testing, investigation					\$	\$	\$	
80.09 Engineering Inspection					\$	\$	\$	
80.10 Start up					\$	\$	\$	
Subtotal (10-80)					\$	\$	\$	
90 UNALLOCATED CONTINGENCY								
Subtotal (10-90)					\$	\$	\$	
100 FINANCE CHARGES								
Subtotal (10-100)					\$	\$	\$	
TOTAL CAPITAL COSTS (10-100)					\$	\$	\$	

Space provided for additional descriptions of capital costs.
See Example under "Instructions" above. Please include references to specific Cost Category numbers.

Annual Capital Cost Budget

Instructions:

This form provides a breakdown by year of the capital costs entered in the previous "Detailed Capital Cost Budget". The data you enter in this form should be drawn from budget estimates or analysis you have available for your project.

1. In the yellow cells in the "Base Year/ FY 2011 Dollars" table, enter the annual dollar figures for each cost category in thousands of Base Year/FY 2011 Dollars.
2. In the "Base Year/ FY 2011 Dollars" table, the numbers in the "Double Check Total" column will auto-populate from the "Detailed Capital Cost Budget" in the previous tab. The numbers in the "Base Yr/FY 11 Total" column will be the sum of the annual data entered to the left. The two columns should match for each Standard Cost Category. If the entries in the "Double Check Total" column are not identical, the Base Year/FY 11 values you entered in the previous tab do not match the values entered in this tab.
3. The light blue cells in the Year of Expenditure (YOE) table will auto-populate using Inflation rates from the "General Info" tab.

Project Name: 0

	2011	2012	2013	2014	2015	2016	2017	Base Yr/FY 11 Total*	Double Check Total
BASE YEAR/ FY 2011 DOLLARS									
10 TRACK STRUCTURES & TRACK									
20 STATIONS, TERMINALS, INTERMODAL									
30 SUPPORT FACILITIES: YARDS, SHOPS, ADMIN. BLDGS									
40 SITEWORK, RIGHT OF WAY, LAND, EXISTING IMPROVEMENTS									
50 COMMUNICATIONS & SIGNALING									
60 ELECTRIC TRACTION									
70 VEHICLES									
80 PROFESSIONAL SERVICES (applies to Cats. 10-60)									
90 UNALLOCATED CONTINGENCY									
100 FINANCE CHARGES									
Total Project Cost (10-100)									

	2011	2012	2013	2014	2015	2016	2017	YOE Total**
YEAR OF EXPENDITURE (YOE) DOLLARS								
10 TRACK STRUCTURES & TRACK								
20 STATIONS, TERMINALS, INTERMODAL								
30 SUPPORT FACILITIES: YARDS, SHOPS, ADMIN. BLDGS								
40 SITEWORK, RIGHT OF WAY, LAND, EXISTING IMPROVEMENTS								
50 COMMUNICATIONS & SIGNALING								
60 ELECTRIC TRACTION								
70 VEHICLES								
80 PROFESSIONAL SERVICES (applies to Cats. 10-60)								
90 UNALLOCATED CONTINGENCY								
100 FINANCE CHARGES								
Total Project Cost (10-100)								

* For the purpose of this application, base year dollars are considered FY 2011 dollars.
 **Year of Expenditure (YOE) dollars are inflation-adjusted Base Year dollars. Applicants may determine their own inflation rate and enter it on the "General Info" tab. Applicants should also explain their proposed inflation assumptions (and methodology, if applicable) in the Application Form, Section A, Part of Contact and Project Information, Question 4).

