

Application Components

| Instructions                               |   | Project Overview (PO)                                | Project Benefits (PB)                                     | Costing (CT)                      | Project Management Approach and Application Qualifications (AQ) |
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**FRA Standard Cost Categories for Capital Projects**

(Rev.12, May 30, 2009)

**10 TRACK STRUCTURES & TRACK**

- 10.01 Track structure: Viaduct
- 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)
- 10.06 Track structure: At-grade (grading and subgrade stabilization)
- 10.07 Track structure: Tunnel
- 10.08 Track structure: Retaining walls and systems
- 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, fasteners)
- 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 fencing, sound walls

**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 lots
- 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, ROW, LAND, EXISTING IMPROVEMENTS & SPECIAL CONDITIONS**

- 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, e.g. 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

## HSIPR Program Application

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|--|
| 50.07 Hazard detectors (dragging equipment, high-wide load, high water, slide, etc.) |
| 50.08 Station train approach warning system  |

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|--|
| <p><b>60 ELECTRIC TRACTION</b></p> <p>60.01 Traction power transmission: High voltage</p> <p>60.02 Traction power supply: Substations</p> <p>60.03 Traction power distribution: Catenary and third rail</p> <p>60.04 Traction power control</p>  |
| <p><b>70 VEHICLES (number)</b></p> <p>70.00 Vehicle acquisition: Electric locomotive</p> <p>70.01 Vehicle acquisition: Non-electric locomotive</p> <p>70.02 Vehicle acquisition: Electric multiple unit</p> <p>70.03 Vehicle acquisition: Diesel multiple unit</p> <p>70.04 Vehicle acquisition: Locomotive-hauled passenger cars with ticketed space</p> <p>70.05 Vehicle acquisition: Locomotive-hauled passenger cars without ticketed space</p> <p>70.06 Vehicle acquisition: Maintenance of way vehicles</p> <p>70.07 Vehicle acquisition: Non-railroad support vehicles</p> <p>70.08 Vehicle refurbishment: Electric locomotive</p> <p>70.09 Vehicle refurbishment: Non-electric locomotive</p> <p>70.10 Vehicle refurbishment: Electric multiple unit</p> <p>70.11 Vehicle refurbishment: Diesel multiple unit</p> <p>70.12 Vehicle refurbishment: Passenger-carrying locomotive-hauled car</p> <p>70.13 Vehicle refurbishment: Non-passenger-carrying locomotive-hauled car</p> <p>70.14 Vehicle refurbishment: Maintenance of way vehicles</p> <p>70.15 Spare parts</p> |
| <p><b>80 PROFESSIONAL SERVICES (applies to Cats. 10-60)</b></p> <p>80.01 Service Environmental</p> <p>80.02 Project Environmental</p> <p>80.03 Final design</p> <p>80.04 Project management for design and construction</p> <p>80.05 Construction administration &amp; management</p> <p>80.06 Professional liability and other non-construction insurance</p> <p>80.07 Legal; Permits; Review Fees by other agencies, cities, etc.</p> <p>80.08 Surveys, testing, investigation, inspection</p> <p>80.09 Start up</p>   |
| <p><b>90 UNALLOCATED CONTINGENCY</b></p>   |
| <p><b>100 FINANCE CHARGES</b></p>  |

| FRA Standard Cost Categories for Capital Projects<br>DEFINITIONS  |   |   |
|---|---|---|
| <p><b>NOTE:</b> 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 <i>Professional Services</i>.</p>  |   |   |
| <b>10 TRACK STRUCTURES &amp; TRACK</b>  |   |   |
| 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-evident   |
| 10.08   | Track structure: Retaining walls and systems                          | Definition self-evident   |
| 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-evident   |
| 10.13   | Track rehabilitation: Component replacement (rail, ties, fasteners)   | Definition self-evident   |
| 10.14   | Track: Special track work (switches, turnouts, insulated joints)      | Include minor turnouts and interlockings, 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-evident   |
| 10.18   | Other linear structures including fencing, sound walls                | Definition self-evident   |
| <b>20 STATIONS, TERMINALS, INTERMODAL</b>   |   |   |
| 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. |   |   |
| 20.01   | Station buildings: Intercity passenger rail only                      | Definition self-evident   |
| 20.02   | Station buildings: Joint use (commuter rail, intercity bus)           | Definition self-evident   |
| 20.03   | Platforms   | Definition self-evident   |
| 20.04   | Elevators, escalators   | Definition self-evident   |
| 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-evident   |
| <b>30 SUPPORT FACILITIES: YARDS, SHOPS, ADMIN. BLDGS</b>  |   |   |
| 30.01   | Administration building: Office, sales, storage, revenue counting     | Definition self-evident   |
| 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-evident   |
| 30.05   | Yard and yard track   | Include yard construction and track associated with yard.   |

|   |   |   |
|---|---|---|
| <b>40 SITEWORK, ROW, LAND, EXISTING IMPROVEMENTS &amp; SPECIAL CONDITIONS</b> |   | Include all construction materials and labor regardless of whom is performing the work.   |
| 40.01   | Demolition, clearing, site preparation  | 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   | 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, e.g. wetlands, historic/archeology, parks               | Include other environmental mitigation not listed.  |
| 40.05   | Site structures including retaining walls, sound walls                            | Definition self-evident   |
| 40.06   | Temporary facilities and other indirect costs during construction                 | Definition self-evident   |
| 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 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. |
| 40.08   | Highway/pedestrian overpass/grade separations                                     | Definition self-evident   |
| 40.09   | Relocation of existing households and businesses                                  | In compliance with Uniform Relocation Act.  |
| <b>50 COMMUNICATIONS &amp; SIGNALING</b>                                      |   |   |
| 50.01   | Wayside signaling equipment   | Definition self-evident   |
| 50.02   | Signal power access and distribution  | Definition self-evident   |
| 50.03   | On-board signaling equipment  | Include on-board cab signal, Automatic Train Control (ATC), and Passenger Train Control (PTC) related equipment   |
| 50.04   | Traffic control and dispatching systems   | Definition self-evident   |
| 50.05   | Communications  | Definition self-evident   |
| 50.06   | Grade crossing protection   | Definition self-evident   |
| 50.07   | Hazard detectors (dragging equipment, high-wide load, high water, slide, etc.)    | Definition self-evident   |
| 50.08   | Station train approach warning system   | Definition self-evident   |
| <b>Construction Subtotal (10 - 50)</b>  |   |   |

|  |  |  |   |
|--|--|--|---|
| <b>60 ELECTRIC TRACTION</b>                              |  |  |   |
| 60.01  | Traction power transmission: High voltage                                    | Definition self-evident  |   |
| 60.02  | Traction power supply: Substations   | Definition self-evident  |   |
| 60.03  | Traction power distribution: Catenary and third rail                         | Definition self-evident  |   |
| 60.04  | Traction power control   | Definition self-evident  |   |
| <b>70 VEHICLES (number)</b>                              |  | 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.  |   |
| 70.00  | Vehicle acquisition: Electric locomotive                                     | Definition self-evident  |   |
| 70.01  | Vehicle acquisition: Non-electric locomotive                                 | Definition self-evident  |   |
| 70.02  | Vehicle acquisition: Electric multiple unit                                  | Definition self-evident  |   |
| 70.03  | Vehicle acquisition: Diesel multiple unit                                    | Definition self-evident  |   |
| 70.04  | Vehicle acquisition: Locomotive-hauled passenger cars with ticketed          | Include cars with coach space, sleeping compartments, etc.   |   |
| 70.05  | Vehicle acquisition: Locomotive-hauled passenger cars without ticketed space | Include dedicated food service, lounge, baggage and other service support cars   |   |
| 70.06  | Vehicle acquisition: Maintenance of way vehicles                             | Definition self-evident  |   |
| 70.07  | Vehicle acquisition: Non-railroad support vehicles                           | Include rail bucket trucks, and other highway vehicles   |   |
| 70.08  | Vehicle refurbishment: Electric locomotive                                   | Definition self-evident  |   |
| 70.09  | Vehicle refurbishment: Non-electric locomotive                               | Definition self-evident  |   |
| 70.10  | Vehicle refurbishment: Electric multiple unit                                | Definition self-evident  |   |
| 70.11  | Vehicle refurbishment: Diesel multiple unit                                  | Definition self-evident  |   |
| 70.12  | Vehicle refurbishment: Passenger-carrying locomotive-hauled car              | Include coaches, sleeping cars, etc.   |   |
| 70.13  | Vehicle refurbishment: Non-passenger-carrying locomotive-hauled car          | Include food service, lounge, baggage and other service support cars   |   |
| 70.14  | Vehicle refurbishment: Maintenance of way vehicles                           | Definition self-evident  |   |
| 70.15  | Spare parts  | Definition self-evident  |   |
| <b>80 PROFESSIONAL SERVICES (applies to Cats. 10-60)</b> |  | 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  | Service Environmental  | 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.   |   |
| 80.02  | 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.                  |  | Include costs associated with professional services related to real estate and vehicles in Cats. 60 and 70.   |
| 80.08  | Surveys, testing, investigation, inspection                                  |  | <i>(Note that costs for planning and NEPA work done before FRA grant approval, regardless of funding source, are subject to special conditions for eligibility and should</i> |
| 80.09  | Start up   |  | Definition self-evident   |
| <b>Subtotal (10 - 80)</b>                                |  |  |   |
| <b>90 UNALLOCATED CONTINGENCY</b>                        |  | Includes unallocated contingency, project reserves. Document allocated contingencies for individual line items on the Main worksheets.   |   |
| <b>Subtotal (10 - 90)</b>                                |  |  |   |
| <b>100 FINANCE CHARGES</b>                               |  | 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 FRA funding commitment, whichever occurs later in time. Finance charges incurred after this date should not be included in Total Project Cost.<br><br>Derive finance charges from the 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. |   |
| <b>Total Project Cost (10 - 100)</b>                     |  |  |   |

**A) Project Overview Narrative**

**Project Name:**

**Tracks 1, 2 and 4 (as applicable with respect to the advancement of the engineering and NEPA work)**

Provide an overview of the main features and characteristics of the proposed Project, including a brief description of:

- The types of proposed improvements (e.g. new passing tracks, interlocking reconfiguration, station improvements, equipment acquisition, etc.).
- The location of the proposed project including any use of railroad assets or rights-of-way, and potential use of public lands and property.
- The cost and proposed financing of the project, including any proposed financial contribution by the grantee or other parties.

**Track 3**

Provide a description of the planning activities included in the proposed application, including a geographical description of the region and ... (XXX)

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| B) Project Overview Template  |  |   |        |
|---|--|---|--------|
| <b>Project Name:</b>  | To auto populate   |   |        |
| 1) Please provide the contact information of the lead agency  | <b>Name</b>  |   |        |
|   | <b>Contact Person, Email</b>                                       | POC:  | Email: |
|   | <b>Address</b>   |   |        |
|   | <b>Telephone, Fax</b>  | Tel:  | Fax:   |
| 2) Please provide the following project details   | <b>Capital Costs (YOE)</b>   | \$ - to auto populate                                     |        |
|   | <b>Project Type (insert definition with no more than 15 words)</b> |   |        |
| 3) Project Profile-Please type an "X" in the boxes that appropriately apply to the type of work encompassed in the proposed project |  |   |        |
| <b>Track Structure</b>  |  | <b>Communications and Signaling</b>                       |        |
| <b>Track New Construction</b>   |  | <b>Electric Traction</b>                                  |        |
| <b>Track Rehabilitation</b>   |  | <b>Vehicles Acquisition</b>                               |        |
| <b>Major Interlockings</b>  |  | <b>Vehicle Refurbishment</b>                              |        |
| <b>Stations, Terminals, Intermodal</b>  |  | <b>Support Facilities: Yards, Shops, Admin. Buildings</b> |        |

**A) Planning, Purpose and Need, Project Status Narrative**

**Project Name:**

Describe the planning process through which intercity passenger rail (IPR) was identified as the solution to wider transportation challenges, including what alternative transportation solutions were considered, and, if applicable, how the planning process integrated with state rail planning activities and/or statewide transportation planning under 23 U.S.C. 135.

Describe how the proposed project will fulfill a specific purpose and need to be addressed in a cost-effective manner by improved IPR service.

Describe how the proposed project was chosen among other projects to be implemented at this time (i.e., how programming and implementation priority was assigned).

For Tracks 1, 2 and 4: Describe the design and engineering efforts, and environmental review processes that have been undertaken to advance the proposed project, and their current status.

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| A) Planning, Purpose, and Need Project Status Template   |   |
|--|---|
| <b>Project Name:</b>   |   |
| 1) Provide the following project planning and development schedule information, including anticipated or actual dates/durations. Add NEPA-related milestones if applicable | Pre-NEPA Planning Studies initiated   |
|  | Pre-NEPA Planning Studies Completed   |
|  | NEPA Process Initiated  |
|  | Draft NEPA Document Complete  |
|  | Preferred Alternative Identified  |
|  | Service NEPA Complete   |
|  | Project NEPA Complete**   |
|  | Final NEPA Document Complete  |
|  | NEPA Process Complete   |
|  | Other major milestone as applicable (Public Referenda, Key Stakeholder Agreements)        |
|  | Preliminary Engineering (duration - beginning and ending dates)                           |
|  | Design (duration)   |
|  | Construction (duration)   |
|  | Vehicle Acquisition (duration - manufacturing beginning and ending dates)                 |
|  | Vehicle Testing (duration)  |
|  | Service Operations (beginning date)   |
|  | Additional NEPA-Related Milestones (if applicable)  |
|  | **If Service NEPA is complete, please provide an update on the status of the Project NEPA |

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**A) Asset Ownership Narrative**

Project Name:

Describe the ownership of any existing railroad infrastructure that will be used or improved as part of the proposed project. If the project includes the construction of new railroad infrastructure outside of existing railroad rights-of-way, or if the implementation of the project foresees a change in ownership of existing railroad infrastructure, describe the process, agreements and schedule that will be followed.

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| B) Rail-Line Ownership Template   |                |                |              |             |             |
|---|----------------|----------------|--------------|-------------|-------------|
| Project Name:   |                |                |              |             |             |
| 1) Existing Right-of-Way Owner - For all railroad owners of the existing infrastructure in the "project area,"** provide the following information:                 |                |                |              |             |             |
| Railroad Type   | Railroad Owner | Start Milepost | End Milepost | Route Miles | Track Miles |
|   |                |                |              |             |             |
|   |                |                |              |             |             |
|   |                |                |              |             |             |
|   |                |                |              |             |             |
|   |                |                |              |             |             |
|   |                |                |              |             |             |
|   |                |                |              |             |             |
|   |                |                |              |             |             |
|   |                |                |              |             |             |
| 2) Changes in Ownership - For changes in ownership for newly constructed rail lines in the proposed project area, provide the following information (if applicable) |                |                |              |             |             |
| Railroad Type   | Railroad Owner | Start Milepost | End Milepost | Route Miles | Track Miles |
|   |                |                |              |             |             |
|   |                |                |              |             |             |
|   |                |                |              |             |             |
|   |                |                |              |             |             |
|   |                |                |              |             |             |
|   |                |                |              |             |             |
|   |                |                |              |             |             |
|   |                |                |              |             |             |
|   |                |                |              |             |             |

Note: Add new rows as needed

\*\* A project area is defined as the geographic area encompassed by the bounds.

A) Service Description Narrative

Project Name:

Describe the markets served by the IPR service that is intended to benefit from the proposed project, including identification of key geographic travel markets (origin-destination pairs), its focus on urban and non-urban markets, and other non-rail transportation options that serve some or all of the same markets.

Describe the operation of the IPR service that is intended to benefit from the proposed project, both as it is currently structured and operated if applicable, and as it will be following completion of the proposed project.

Describe other rail services, such as commuter rail and freight rail, that will make use of or otherwise be affected by the proposed project.

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**B) Service Description Template**

**Project Name:** \_\_\_\_\_

**1) Existing Passenger Railroad Service or Operators** - For all passenger rail services or operators in the project area, provide the following information:

| Service Type<br>(e.g., commuter rail, etc.) | Service Name | Operator | Train/Day Through Project Area (Roundtrip) | Service Endpoints and Intermediate Points (e.g., RUT/ MTR/ CHI / NFL/ TOR - ALB - NYP) | Route Miles | Avg. Scheduled Speed | On-Time Performance (%) | Avg. Consist |      | Project Area Entry Mile Post | Project Area Exit Mile Post |
|---|--------------|----------|--|--|-------------|----------------------|-------------------------|--------------|------|------------------------------|-----------------------------|
|   |              |          |  |  |             |                      |                         | Cars         | Loco |                              |                             |
|   |              |          |  |  |             |                      |                         |              |      |                              |                             |
|   |              |          |  |  |             |                      |                         |              |      |                              |                             |
|   |              |          |  |  |             |                      |                         |              |      |                              |                             |
|   |              |          |  |  |             |                      |                         |              |      |                              |                             |
|   |              |          |  |  |             |                      |                         |              |      |                              |                             |
|   |              |          |  |  |             |                      |                         |              |      |                              |                             |

**2) Existing Freight Rail Services or Operators** - For all freight rail services or operators in the project area, provide the following information:

**B) Service Description Template (Cont'd)**

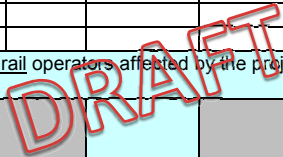
**Project Name:** \_\_\_\_\_

**3) New or Enhanced Passenger Rail Services and Operators** - For all passenger rail services anticipated to change as a result of in the proposed project, provide the following information (If applicable)

| Service Type<br>(e.g., commuter rail, etc.) | Service Name | Operator | Train/Day Through Project Area (Roundtrip) | Service Endpoints and Intermediate Points (e.g., RUT/ MTR/ CHI / NFL/ TOR - ALB - NYP) | Route Miles | Avg. Scheduled Speed | On-Time Performance (%) | Avg. Consist |      | Project Area Entry Mile Post | Project Area Exit Mile Post |
|---|--------------|----------|--|--|-------------|----------------------|-------------------------|--------------|------|------------------------------|-----------------------------|
|   |              |          |  |  |             |                      |                         | Cars         | Loco |                              |                             |
|   |              |          |  |  |             |                      |                         |              |      |                              |                             |
|   |              |          |  |  |             |                      |                         |              |      |                              |                             |
|   |              |          |  |  |             |                      |                         |              |      |                              |                             |
|   |              |          |  |  |             |                      |                         |              |      |                              |                             |
|   |              |          |  |  |             |                      |                         |              |      |                              |                             |
|   |              |          |  |  |             |                      |                         |              |      |                              |                             |

**4) Affected Freight Rail Service or Operators** - For all freight rail operators affected by the project in the project area, provide the following information (If applicable)

| Service Type<br>(e.g., local unit, intermodal, manifest) | Operator | Operating Rights (owner, operating agreement, trackage rights) | Train/Day Through Project Area (Roundtrip) | Avg. Operating Speed | Avg. Consist |      | Project Area Entry Mile Post | Project Area Exit Mile Post |
|--|----------|--|--|----------------------|--------------|------|------------------------------|-----------------------------|
|  |          |  |  |                      | Cars         | Loco |                              |                             |
|  |          |  |  |                      |              |      |                              |                             |
|  |          |  |  |                      |              |      |                              |                             |
|  |          |  |  |                      |              |      |                              |                             |
|  |          |  |  |                      |              |      |                              |                             |
|  |          |  |  |                      |              |      |                              |                             |
|  |          |  |  |                      |              |      |                              |                             |
|  |          |  |  |                      |              |      |                              |                             |
|  |          |  |  |                      |              |      |                              |                             |
|  |          |  |  |                      |              |      |                              |                             |
|  |          |  |  |                      |              |      |                              |                             |



**A) Economic Recovery Project Benefits Narrative**

**Project Name:**

Describe the contribution the proposed project is intended to make towards economic recovery and reinvestment, including information on the following:

- How the project will result in the creation and preservation of jobs – Detail the number of onsite and other direct jobs (on a 2009 work-hour per year, full-time equivalent basis) that will be created by the proposed project, and timeline for achieving the anticipated job creation.
- How the project will result in increases in efficiency by promoting technological advances.
- How the project represents an investment that will generate long-term economic benefits – Detail the timeline for achieving economic benefits and describe how the project was identified as a solution to a wider economic challenge.
- If applicable, how the project will help to avoid reductions in State-provided essential services.

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**B) Economic Recovery Project Benefits Narrative**

**On-site and other direct jobs (on a 2080 work-hour per year, full-time equivalent basis)**

**Total Jobs**



| A) Transportation Project Benefits Narrative   |  |
|--|--|
| <b>Project Name:</b>   |  |
| <p>Describe the benefits to IPR service that are anticipated to result from the project, including information on the following:</p> <ul style="list-style-type: none"> <li>• <b>Operational Improvements</b> – Provide relevant details on reliability improvements (increases in on-time performance, reduction in operating delays), reduced schedule times, increases in frequencies, improvements to intermodal connections and access to stations, actual and potential synergistic expansions to the IPR network, and other service improvements.</li> <li>• <b>Transportation Results</b> – Describe the forecasted benefits of the proposed project in terms of key transportation metrics. These benefits should be expressed primarily in quantitative terms, although qualitative information may also be provided if relevant. Provide, when applicable, relevant details on forecasted increases in IPR ridership, IPR passenger-miles, aggregate travel time savings (resulting from reductions to both schedule time and delays, expressed in passenger-minutes).</li> </ul> <p>Suggested information:</p> <ul style="list-style-type: none"> <li>• Describe, when applicable, the benefits to other modes of transportation that are anticipated to result from the proposed project, including benefits to:                             <ul style="list-style-type: none"> <li>• <b>Commuter Rail Services</b> – Provide relevant details on operating improvements and results (applying the same approach as for IPR above).</li> <li>• <b>Freight Rail Service</b> – Provide relevant details on service benefits (e.g. increases in reliability and capacity), output benefits (e.g. increases in ton-miles or car-miles of the benefiting freight services), and/or other benefits.</li> <li>• <b>Highway and Air Congestion Reduction and Delay or Avoidance of Planned Investments</b> – Provide relevant details on any aviation and highway congestion reduction/alleviation that are anticipated. Describe any planned investments in other modes of transportation that may be avoided or delayed due to the improvement to IPR service that will result from the proposed project.</li> </ul> </li> </ul> <p>Suggested: Describe the overall improvements to transportation safety that are anticipated to result from the proposed project, including railroad safety benefits, and benefits resulting from the shifting of travel from other modes to safer IPR service.</p> |  |

| A) Transportation Project Benefits Template                         |   |            |
|---|---|------------|
| Required metric for all track 2 projects:                           |   | % Increase |
| Track 2 Required Metrics  | As projected for the fifth full year of operation, increase in IPR passenger-miles (over FY 2008 levels if a comparable service exists; otherwise the base is zero).                              | 0.00%      |
|   | <b>Required to receive credit for "green" benefits:</b>   |            |
|   | As projected for the fifth full year of operation, the amount of the total increase diverted from air traffic.  | 0.00%      |
|   | As projected for the fifth full year of operation, the amount of the total increase diverted from highway traffic.  | 0.00%      |
| Select the metric(s) based on the primary focus(es) of the project: |   | % Increase |
| Track 1 and 4 Required Metrics                                      | <u>Service frequency</u><br>Metric: Increase in the number of daily round trips (weekdays) (over FY 2008 levels). As projected for the first full year of operation.                              | 0.00%      |
|   | <u>On-Time Performance</u><br>Metric: Average decrease in delay minutes per day, total for all IPR service trains (from FY 2008 levels). As projected for the first full year of operation.       | 0.00%      |
|   | <u>Travel Time</u><br>Metric: Average schedule-minutes saved per run, over all IPR service trains (from FY 2008 levels). As projected for the first full year of operation.                       | 0.00%      |
|   | <u>Passenger-carrying capacity</u><br>Metric: Increase in seat-miles operated per day (over FY 2008 levels), total for all IPR service trains. As projected for the first full year of operation. | 0.00%      |
|   |   |            |

**A) Environmental and Livable Communities Project Benefits Narrative**

**Project Name:**

Describe the intended contribution of the proposed project towards improved environmental quality, energy efficiency and reduction in the dependence for foreign oil, including information on the following:

- Reductions in key emissions (including CO2 reductions by metric ton/year) (strongly suggested if modeling has been conducted)
- Use of green methods and technologies - provide relevant details on use of green building design (including LEED building design standards), green manufacturing methods or other environmentally-friendly approaches
- Anticipated change in energy and oil consumption (suggested)

Describe the contribution the proposed project is intended to make towards fostering and promoting Livable Communities, include information on the following:

- Integration with existing high density, livable development - provide relevant details on livable development (e.g. central business districts with walking and public transportation distribution networks with transit oriented development) (if applicable)
- Development of intermodal stations with direct transfers to other modes (both intercity passenger transport and local transit) (if applicable)

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**B) Environmental and Livable Communities Project Benefits Template**

Suggested Quantitative Indicator, when applicable: Reductions/Avoidance in key emissions by metric ton/year

|   |  |
|---|--|
| CO2 (strongly suggested)  |  |
| Other pollutants (O3, CO, PMx, NOx, etc. insert new rows as needed) |  |

**A) SCC Capital Cost Budget/Estimate Form Template**

|  |  |                    |         |
|--|--|--------------------|---------|
| <b>Project Name</b>  |  |                    |         |
| Has the Operating Owner reviewed this budget? (Y/N)  |  | Today's Date       | 5/30/09 |
| Has the Operating Owner agreed to this budget? (Y/N)   |  | Yr of Base Year \$ | 2009    |
| Insert Current Phase (e.g. Applic. for LoI, PE/FD, Applic. for Construction Grant, Construction, Serv Ops) |  | Yr of Revenue Ops  | 2017    |

|  | 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 % of Construction Cost | Base Year Dollars % of Total Project Cost | YOE Dollars Total (X000) |
|--|----------|--|--|--------------------------------|------------------------------------|--|---|--------------------------|
| <b>10 TRACK STRUCTURES &amp; TRACK</b>   |          | 0  | 0  | 0                              |                                    | #DIV/0!                                  | #DIV/0!                                   | 0                        |
| 10.01 Track structure: Viaduct   |          |  |  | 0                              |                                    |  |   | #DIV/0!                  |
| 10.02 Track structure: Major/Movable bridge  |          |  |  | 0                              |                                    |  |   | #DIV/0!                  |
| 10.03 Track structure: Undergrade Bridges  |          |  |  | 0                              |                                    |  |   | #DIV/0!                  |
| 10.04 Track structure: Culverts and drainage structures                              |          |  |  | 0                              |                                    |  |   | #DIV/0!                  |
| 10.05 Track structure: Cut and Fill (> 4' height/depth)                              |          |  |  | 0                              |                                    |  |   | #DIV/0!                  |
| 10.06 Track structure: At-grade (grading and subgrade stabilization)                 |          |  |  | 0                              |                                    |  |   | #DIV/0!                  |
| 10.07 Track structure: Tunnel  |          |  |  | 0                              |                                    |  |   | #DIV/0!                  |
| 10.08 Track structure: Retaining walls and systems                                   |          |  |  | 0                              |                                    |  |   | #DIV/0!                  |
| 10.09 Track new construction: Conventional ballasted                                 |          |  |  | 0                              |                                    |  |   | #DIV/0!                  |
| 10.10 Track new construction: Non-ballasted  |          |  |  | 0                              |                                    |  |   | #DIV/0!                  |
| 10.11 Track rehabilitation: Ballast and surfacing                                    |          |  |  | 0                              |                                    |  |   | #DIV/0!                  |
| 10.12 Track rehabilitation: Ditching and drainage                                    |          |  |  | 0                              |                                    |  |   | #DIV/0!                  |
| 10.13 Track rehabilitation: Component replacement (rail, ties,                       |          |  |  | 0                              |                                    |  |   | #DIV/0!                  |
| 10.14 Track: Special track work (switches, turnouts, insulated joints)               |          |  |  | 0                              |                                    |  |   | #DIV/0!                  |
| 10.15 Track: Major interlockings   |          |  |  | 0                              |                                    |  |   | #DIV/0!                  |
| 10.16 Track: Switch heaters (with power and control)                                 |          |  |  | 0                              |                                    |  |   | #DIV/0!                  |
| 10.17 Track: Vibration and noise dampening   |          |  |  | 0                              |                                    |  |   | #DIV/0!                  |
| 10.18 Other linear structures including fencing, sound walls                         |          |  |  | 0                              |                                    |  |   | #DIV/0!                  |
| <b>20 STATIONS, TERMINALS, INTERMODAL</b>  |          | 0  | 0  | 0                              |                                    | #DIV/0!                                  | #DIV/0!                                   | 0                        |
| 20.01 Station buildings: Intercity passenger rail only                               |          |  |  | 0                              |                                    |  |   | #DIV/0!                  |
| 20.02 Station buildings: Joint use (commuter rail, intercity bus)                    |          |  |  | 0                              |                                    |  |   | #DIV/0!                  |
| 20.03 Platforms  |          |  |  | 0                              |                                    |  |   | #DIV/0!                  |
| 20.04 Elevators, escalators  |          |  |  | 0                              |                                    |  |   | #DIV/0!                  |
| 20.05 Joint commercial development   |          |  |  | 0                              |                                    |  |   | #DIV/0!                  |
| 20.06 Pedestrian / bike access and accommodation, landscaping,                       |          |  |  | 0                              |                                    |  |   | #DIV/0!                  |
| 20.07 Automobile, bus, van accessways including roads                                |          |  |  | 0                              |                                    |  |   | #DIV/0!                  |
| #REF! #REF!  |          |  |  | 0                              |                                    |  |   | #DIV/0!                  |
| 20.08 Fare collection systems and equipment  |          |  |  | 0                              |                                    |  |   | #DIV/0!                  |
| 20.09 Station security   |          |  |  | 0                              |                                    |  |   | #DIV/0!                  |
| <b>30 SUPPORT FACILITIES: YARDS, SHOPS, ADMIN. BLDGS</b>                             |          | 0  | 0  | 0                              |                                    | #DIV/0!                                  | #DIV/0!                                   | 0                        |
| 30.01 Administration building: Office, sales, storage, revenue                       |          |  |  | 0                              |                                    |  |   | #DIV/0!                  |
| 30.02 Light maintenance facility   |          |  |  | 0                              |                                    |  |   | #DIV/0!                  |
| 30.03 Heavy maintenance facility   |          |  |  | 0                              |                                    |  |   | #DIV/0!                  |
| 30.04 Storage or maintenance-of-way building/bases                                   |          |  |  | 0                              |                                    |  |   | #DIV/0!                  |
| 30.05 Yard and yard track  |          |  |  | 0                              |                                    |  |   | #DIV/0!                  |
| <b>40 SITEWORK, ROW, LAND, EXISTING IMPROVEMENTS &amp;</b>                           |          | 0  | 0  | 0                              |                                    | #DIV/0!                                  | #DIV/0!                                   | 0                        |
| 40.01 Demolition, clearing, site preparation   |          |  |  | 0                              |                                    |  |   | #DIV/0!                  |
| 40.02 Site utilities, utility relocation   |          |  |  | 0                              |                                    |  |   | #DIV/0!                  |
| 40.03 Hazardous material, contaminated soil removal/mitigation,                      |          |  |  | 0                              |                                    |  |   | #DIV/0!                  |
| 40.04 Environmental mitigation, e.g. wetlands, historic/archeology,                  |          |  |  | 0                              |                                    |  |   | #DIV/0!                  |
| 40.05 Site structures including retaining walls, sound walls                         |          |  |  | 0                              |                                    |  |   | #DIV/0!                  |
| 40.06 Temporary facilities and other indirect costs during                           |          |  |  | 0                              |                                    |  |   | #DIV/0!                  |
| 40.07 Purchase or lease of real estate   |          |  |  | 0                              |                                    |  |   | #DIV/0!                  |
| 40.08 Highway/pedestrian overpass/grade separations                                  |          |  |  | 0                              |                                    |  |   | #DIV/0!                  |
| 40.09 Relocation of existing households and businesses                               |          |  |  | 0                              |                                    |  |   | #DIV/0!                  |
| <b>50 COMMUNICATIONS &amp; SIGNALING</b>   |          | 0  | 0  | 0                              |                                    | #DIV/0!                                  | #DIV/0!                                   | 0                        |
| 50.01 Wayside signaling equipment  |          |  |  | 0                              |                                    |  |   | #DIV/0!                  |
| 50.02 Signal power access and distribution   |          |  |  | 0                              |                                    |  |   | #DIV/0!                  |
| 50.03 On-board signaling equipment   |          |  |  | 0                              |                                    |  |   | #DIV/0!                  |
| 50.04 Traffic control and dispatching systems  |          |  |  | 0                              |                                    |  |   | #DIV/0!                  |
| 50.05 Communications   |          |  |  | 0                              |                                    |  |   | #DIV/0!                  |
| 50.06 Grade crossing protection  |          |  |  | 0                              |                                    |  |   | #DIV/0!                  |
| 50.07 Hazard detectors (dragging equipment, high-wide load, high water, slide, etc.) |          |  |  | 0                              |                                    |  |   | #DIV/0!                  |
| 50.08 Station train approach warning system  |          |  |  | 0                              |                                    |  |   | #DIV/0!                  |
| <b>Construction Subtotal (10 - 50)</b>   |          | 0  | 0  | 0                              |                                    | #DIV/0!                                  | #DIV/0!                                   | 0                        |
| <b>60 ELECTRIC TRACTION</b>  |          |  |  | 0                              |                                    |  | #DIV/0!                                   | 0                        |
| 60.01 Traction power transmission: High voltage                                      |          |  |  | 0                              |                                    |  |   | #DIV/0!                  |
| 60.02 Traction power supply: Substations   |          |  |  | 0                              |                                    |  |   | #DIV/0!                  |
| 60.03 Traction power distribution: Catenary and third rail                           |          |  |  | 0                              |                                    |  |   | #DIV/0!                  |
| 60.04 Traction power control   |          |  |  | 0                              |                                    |  |   | #DIV/0!                  |

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|  |  |   |   |         |  |         |         |
|--|--|---|---|---------|--|---------|---------|
| <b>70 VEHICLES (number)</b>  |  | 0 | 0 | 0       |  | #DIV/0! | 0       |
| 70.00 Vehicle acquisition: Electric locomotive                                     |  |   |   | 0       |  |         | #DIV/0! |
| 70.01 Vehicle acquisition: Non-electric locomotive                                 |  |   |   | 0       |  |         | #DIV/0! |
| 70.02 Vehicle acquisition: Electric multiple unit                                  |  |   |   | 0       |  |         | #DIV/0! |
| 70.03 Vehicle acquisition: Diesel multiple unit                                    |  |   |   | 0       |  |         | #DIV/0! |
| 70.04 Vehicle acquisition: Locomotive-hauled passenger cars with ticketed space    |  |   |   | 0       |  |         | #DIV/0! |
| 70.05 Vehicle acquisition: Locomotive-hauled passenger cars without ticketed space |  |   |   | 0       |  |         | #DIV/0! |
| 70.06 Vehicle acquisition: Maintenance of way vehicles                             |  |   |   | 0       |  |         | #DIV/0! |
| 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 Vehicle refurbishment: Passenger-carrying locomotive-hauled car              |  |   |   |         |  |         |         |
| 70.13 Vehicle refurbishment: Non-passenger-carrying locomotive-hauled car          |  |   |   |         |  |         |         |
| 70.14 Vehicle refurbishment: Maintenance of way vehicles                           |  |   |   |         |  |         |         |
| 70.15 Spare parts  |  |   |   |         |  |         |         |
| <b>80 PROFESSIONAL SERVICES (applies to Cats. 10-60)</b>                           |  | 0 | 0 | 0       |  | #DIV/0! | 0       |
| 80.01 Service Environmental  |  |   |   | 0       |  |         | #DIV/0! |
| 80.02 Project Environmental  |  |   |   | 0       |  |         | #DIV/0! |
| 80.03 Final design   |  |   |   | 0       |  |         | #DIV/0! |
| 80.04 Project management for design and construction                               |  |   |   | 0       |  |         | #DIV/0! |
| 80.05 Construction administration & management                                     |  |   |   | 0       |  |         | #DIV/0! |
| 80.06 Professional liability and other non-construction insurance                  |  |   |   | 0       |  |         | #DIV/0! |
| 80.07 Legal; Permits; Review Fees by other agencies, cities, etc.                  |  |   |   | 0       |  |         | #DIV/0! |
| 80.08 Surveys, testing, investigation, inspection                                  |  |   |   |         |  |         |         |
| 80.09 Start up   |  |   |   |         |  |         |         |
| <b>Subtotal (10 - 80)</b>  |  | 0 | 0 | 0       |  | #DIV/0! | 0       |
| <b>90 UNALLOCATED CONTINGENCY</b>  |  |   |   | 21,971  |  | #DIV/0! | 0       |
| <b>Subtotal (10 - 90)</b>  |  |   |   | 21,971  |  | #DIV/0! | 0       |
| <b>100 FINANCE CHARGES</b>   |  |   |   | #DIV/0! |  | #DIV/0! | 0       |
| <b>TOTAL CAPITAL COSTS (10-100)</b>  |  |   |   | #DIV/0! |  | #DIV/0! | 0       |
| Allocated Contingency as % of Base Yr Dollars w/o Contingency                      |  |   |   | #DIV/0! |  |         |         |
| Unallocated Contingency as % of Base Yr Dollars w/o Contingency                    |  |   |   | #DIV/0! |  |         |         |
| Total Contingency as % of Base Yr Dollars w/o Contingency                          |  |   |   | #DIV/0! |  |         |         |
| Unallocated Contingency as % of Subtotal (10 - 80)                                 |  |   |   | #DIV/0! |  |         |         |
| YOE Construction Cost per Mile (X000)  |  |   |   |         |  |         | #DIV/0! |
| YOE Total Project Cost per Mile Not Including Vehicles (X000)                      |  |   |   |         |  |         | #DIV/0! |
| YOE Total Project Cost per Mile (X000)   |  |   |   |         |  |         | #DIV/0! |

| A) Inflation Template  |         |  |                    |          |
|--|---------|--|--------------------|----------|
| Project Name   |         |  |                    |          |
| Today's Date   | 5/30/09 | Insert Current Phase (e.g. Applic. for Lol, PE/F Construction Grant, Construction, Serv Ops) |                    |          |
| Yr of Base Year \$   | 2009    |  |                    |          |
| Yr of Revenue Ops  | 2017    |  |                    |          |
| Insert comments, notes, etc.                                       |         |  |                    |          |
| BASE YEAR DOLLARS (X\$000)   |         | Base Yr Dollars  | Double-Check Total | 2009     |
| 10 TRACK STRUCTURES & TRACK  |         | 0  | 0                  | 0        |
| 20 STATIONS, TERMINALS, INTERMODAL                                 |         | 0  | 0                  | 0        |
| 30 SUPPORT FACILITIES: YARDS, SHOPS, ADMIN. BLDGS                  |         | 0  | 0                  | 0        |
| 40 SITEWORK, ROW, LAND, EXISTING IMPROVEMENTS & SPECIAL CONDITIONS |         | 0  | 0                  | 0        |
| 50 COMMUNICATIONS & SIGNALING                                      |         | 0  | 0                  | 0        |
| 60 ELECTRIC TRACTION   |         | 0  | 0                  | 0        |
| 70 VEHICLES (number)   |         | 0  | 0                  | 0        |
| 80 PROFESSIONAL SERVICES (applies to Cats. 10-60)                  |         | 0  | 0                  |          |
| 90 UNALLOCATED CONTINGENCY   |         | 21,971   | 0                  |          |
| 100 FINANCE CHARGES  |         | #DIV/0!  | #DIV/0!            |          |
| <b>Total Project Cost (10 - 100)</b>                               |         | #DIV/0!  | #DIV/0!            | <b>0</b> |
| <b>Inflation Rate</b>  |         |  |                    |          |
| <b>Compounded Inflation Factor</b>                                 |         |  |                    |          |
|  |         |  |                    |          |
| YEAR OF EXPENDITURE DOLLARS (X\$000)                               |         | YOE Dollars  |                    | 2009     |
| 10 TRACK STRUCTURES & TRACK  |         | 0  |                    | 0        |
| 20 STATIONS, TERMINALS, INTERMODAL                                 |         | 0  |                    |          |
| 30 SUPPORT FACILITIES: YARDS, SHOPS, ADMIN. BLDGS                  |         | 0  |                    |          |
| 40 SITEWORK, ROW, LAND, EXISTING IMPROVEMENTS & SPECIAL CONDITIONS |         | 0  |                    |          |
| 50 COMMUNICATIONS & SIGNALING                                      |         | 0  |                    |          |
| 60 ELECTRIC TRACTION   |         | 0  |                    |          |
| 70 VEHICLES (number)   |         | 0  |                    |          |
| 80 PROFESSIONAL SERVICES (applies to Cats. 10-60)                  |         | 0  |                    |          |
| 90 UNALLOCATED CONTINGENCY   |         | 0  |                    |          |
| 100 FINANCE CHARGES  |         | 0  |                    |          |
| <b>Total Project Cost (10 - 100)</b>                               |         | 0  |                    | <b>0</b> |

# HSIPR Program Application

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| Inflat         |              |
|----------------|--------------|
|                | Project Name |
| D, Applic. for |              |

| 2010     | 2011     | 2012     | 2013     | 2014     | 2015     | 2016     | 2017     | 2018     | 2019     | 2020     |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        |          |          |          |
| 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        |          |          |          |
| 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        |          |          |          |
| 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        |          |          |          |
| 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        |          |          |          |
| 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        |          |          |          |
| 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        |          |          |          |
| 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        |          |          |          |
| 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        |          |          |          |
| <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> |
|          |          |          |          |          |          |          |          |          |          |          |
|          |          |          |          |          |          |          |          |          |          |          |

| 2010     | 2011     | 2012     | 2013     | 2014     | 2015     | 2016     | 2017     | 2018     | 2019     | 2020     |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        |          |          | 0        |
|          |          |          |          |          |          |          |          |          |          |          |
|          |          |          |          |          |          |          |          |          |          |          |
|          |          |          |          |          |          |          |          |          |          |          |
|          |          |          |          |          |          |          |          |          |          |          |
|          |          |          |          |          |          |          |          |          |          |          |
|          |          |          |          |          |          |          |          |          |          |          |
|          |          |          |          |          |          |          |          |          |          |          |
|          |          |          |          |          |          |          |          |          |          |          |
|          |          |          |          |          |          |          |          |          |          |          |
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# HSIPR Program Application

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|                     |                           |
|---------------------|---------------------------|
| <b>on Template</b>  | <b>Inflation Template</b> |
| <b>Project Name</b> |                           |
|                     |                           |

| 2021    | 2022    | 2023    | 2024    | 2025    | 2026    | 2027    | 2028    | 2029    |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       |
| 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       |
| 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       |
| 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       |
| 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       |
| 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       |
| 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       |
| 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       |
| 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       |
| #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! |
| 0       | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! |

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|--|--|--|--|--|--|--|--|--|

| 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 |
|------|------|------|------|------|------|------|------|------|
| 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
|      |      |      |      |      |      |      |      |      |
|      |      |      |      |      |      |      |      |      |
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|      |      |      |      |      |      |      |      |      |
|      |      |      |      |      |      |      |      |      |
|      |      |      |      |      |      |      |      |      |
| 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |



| A) Project Description - Build Alternative Template  |  |
|--|--|
| <b>Project Name:</b>   |  |
| Insert Current Phase (e.g. Applic. for LoI, PE/FD, Applic. for Construction Grant, Construction, Serv Ops)   |  |
| <p><b>Describe</b> the project elements to explain the unit costs shown on the Main Worksheet. Example: A 20-mile new light rail project has its guideway entirely on grade except for a one-eighth mile bridge over a river. The bridge or aerial structure may have a relatively high unit cost because there is little economy of scale.</p> <p>Mention precedents and reference points used in the development of costs for this project. Mention other aspects of this project that were important considerations in estimating costs. These could include the physical context, site constraints; design parameters; institutional, contracting and procurement conditions; project schedule, etc.</p> |  |
| <b>10 TRACK STRUCTURES &amp; TRACK</b>   |  |
| 10.01 Track structure: Viaduct   |  |
| 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)  |  |
| 10.06 Track structure: At-grade (grading and subgrade stabilization)   |  |
| 10.07 Track structure: Tunnel  |  |
| 10.08 Track structure: Retaining walls and systems   |  |
| 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, fasteners)  |  |
| 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 fencing, sound walls   |  |
| <b>20 STATIONS, TERMINALS, INTERMODAL</b>  |  |
| 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 lots  |  |
| 20.07 Automobile, bus, van accessways including roads  |  |
| #REF! #REF!  |  |
| 20.08 Fare collection systems and equipment  |  |
| 20.09 Station security   |  |
| <b>30 SUPPORT FACILITIES: YARDS, SHOPS, ADMIN. BLDGS</b>   |  |
| 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  |  |
| <b>40 SITEWORK, ROW, LAND, EXISTING IMPROVEMENTS &amp; SPECIAL CONDITIONS</b>  |  |
| 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, e.g. 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   |  |
| <b>50 COMMUNICATIONS &amp; SIGNALING</b>   |  |
| 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, high-wide load, high water, slide, etc.)   |  |
| 50.08 Station train approach warning system  |  |
| <b>60 ELECTRIC TRACTION</b>  |  |
| 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   |  |

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|  |  |
|--|--|
| <b>70 VEHICLES (number)</b>  |  |
| 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 Vehicle acquisition: Locomotive-hauled passenger cars with ticketed space    |  |
| 70.05 Vehicle acquisition: Locomotive-hauled passenger cars without 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 Vehicle refurbishment: Passenger-carrying locomotive-hauled car              |  |
| 70.13 Vehicle refurbishment: Non-passenger-carrying locomotive-hauled car          |  |
| 70.14 Vehicle refurbishment: Maintenance of way vehicles                           |  |
| 70.15 Spare parts  |  |
| <b>80 PROFESSIONAL SERVICES (applies to Cats. 10-60)</b>                           |  |
| 80.01 Service Environmental  |  |
| 80.02 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, inspection                                  |  |
| 80.09 Start up   |  |
| <b>90 UNALLOCATED CONTINGENCY</b>  |  |
| <b>100 FINANCE CHARGES</b>   |  |

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|                                   |  |
|-----------------------------------|--|
| <b>A) OMB Budget Form SF 424C</b> |  |
| <b>Project Name</b>               |  |

OMB Approval No. 0348-0041

**BUDGET INFORMATION - Construction Programs**

*NOTE: Certain Federal assistance programs require additional computations to arrive at the Federal share of project costs eligible for participation. If such is the case you will be notified.*

| COST CLASSIFICATION                                  | a. Total Cost | b. Costs Not Allowable for Participation | c. Total Allowable Costs (Column A - B) |
|--|---------------|--|---|
| 1. Administrative and legal expenses                 |               |  |   |
| 2. Land, structures, rights-of-way, appraisals, etc. |               |  |   |
| 3. Relocation expenses and payments                  |               |  |   |
| 4. Architectural and engineering fees                |               |  |   |
| 5. Other architectural and engineering fees          |               |  |   |
| 6. Project inspection fees                           |               |  |   |
| 7. Site work   |               |  |   |
| 8. Demolition and removal                            |               |  |   |
| 9. Construction                                      |               |  |   |
| 10. Equipment  |               |  |   |
| 11. Miscellaneous                                    |               |  |   |
| 12. SUBTOTAL (sum of lines 1-11)                     |               |  |   |
| 13. Contingencies                                    |               |  |   |
| 14. SUBTOTAL   |               |  |   |
| 15. Project (program) income                         |               |  |   |
| 16. TOTAL PROJECT COSTS (subtract #15 from #14)      |               |  |   |

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| FEDERAL FUNDING   |  |
|---|--|
| 17. Federal assistance requested, calculate as follows: Enter eligible costs from line 16c _____ and multiply by ____ %<br>(Consult ARC State office for percentage share.)<br>Enter the resulting Federal share. |  |

Standard Form 424C (7-97)  
Prescribed by OMB Circular A-102

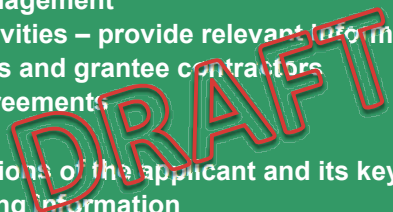
| OMB Budget Form 424   |   |   |                   |                       |                 |           |
|---|---|---|-------------------|-----------------------|-----------------|-----------|
| Project Name  |   |   |                   |                       |                 |           |
| Budget Information - Non-Construction Programs                                  |   |   |                   |                       |                 |           |
| Section A - Budget Summary  |   |   |                   |                       |                 |           |
| Grant Program Function or Activity (a)  | Catalog of Federal Domestic Assistance Number (b) | Note: Complete the sections that are NOT grayed out. This worksheet should reflect your total budget. |                   |                       |                 |           |
|   |   | Estimated Unobligated Funds   |                   | New or Revised Budget |                 |           |
|   |   | Federal (c)   | Non-Federal (d)   | Federal (e)           | Non-Federal (f) | Total (g) |
| 1   |   |   |                   |                       |                 | \$ -      |
| 2   |   |   |                   |                       |                 | \$ -      |
| 3   |   |   |                   |                       |                 | \$ -      |
| 4   |   |   |                   |                       |                 | \$ -      |
| 5. Totals   |   |   |                   | \$0.00                | \$0.00          | \$ -      |
| Section B - Budget Categories   |   |   |                   |                       |                 |           |
| 6. Object Class Categories  | GRANT PROGRAM, FUNCTION OR ACTIVITY               |   |                   |                       | Total           |           |
|   | 1   | 2   | 3                 | 4                     | (5)             |           |
| a. Personnel  |   |   |                   |                       | \$ -            |           |
| b. Fringe Benefits  |   |   |                   |                       | \$ -            |           |
| c. Travel   |   |   |                   |                       | \$ -            |           |
| d. Equipment  |   |   |                   |                       | \$ -            |           |
| e. Supplies   |   |   |                   |                       | \$ -            |           |
| f. Contractual  |   |   |                   |                       | \$ -            |           |
| g. Construction   |   |   |                   |                       | \$ -            |           |
| h. Other  |   |   |                   |                       | \$ -            |           |
| i. Total Direct Charges (sum of 6a-6h)  | \$ -  | \$ -  | \$ -              | \$ -                  | \$ -            |           |
| j. Indirect Charges   | \$0.00  |   |                   |                       | \$ -            |           |
| k. TOTALS (sum of 6i and 6j)  | \$ -  | \$ -  | \$ -              | \$ -                  | \$ -            |           |
| 7. Program Income   | \$0.00  | \$0.00  | \$0.00            | \$0.00                | \$0.00          |           |
| Section C - Non-Federal Resources   |   |   |                   |                       |                 |           |
| (a) Grant Program   | (b) Applicant                                     | (c) State   | (d) Other Sources | (e) TOTALS            |                 |           |
| 8   |   |   |                   |                       |                 | \$0.00    |
| 9   |   |   |                   |                       |                 | \$0.00    |
| 10  |   |   |                   |                       |                 | \$0.00    |
| 11  |   |   |                   |                       |                 | \$0.00    |
| 12. TOTAL (sum of lines 8 - 11)   | \$0.00  | \$0.00  | \$0.00            |                       |                 | \$0.00    |
| Section D - FORECASTED CASH NEEDS   |   |   |                   |                       |                 |           |
|   | Total for 1st Year                                | 1st Quarter   | 2nd Quarter       | 3rd Quarter           | 4th Quarter     |           |
| 13. Federal   | \$0.00  |   |                   |                       |                 |           |
| 14. Non-Federal   | \$0.00  |   |                   |                       |                 |           |
| 15. TOTAL (sum of line 13 and 14)   | \$0.00  | \$0.00  | \$0.00            | \$0.00                |                 | \$0.00    |
| Section E - Budget ESTIMATES OF FEDERAL FUNDS NEEDED FOR BALANCE OF THE PROJECT |   |   |                   |                       |                 |           |
| (a) Grant Program   | FUTURE FUNDING PERIODS (YEARS)                    |   |                   |                       |                 |           |
|   | (b) First   | (c) Second  | (d) Third         | (e) Fourth            |                 |           |
| 16. EMPG 97.042   |   |   |                   |                       |                 |           |
| 17  |   |   |                   |                       |                 |           |
| 18  |   |   |                   |                       |                 |           |
| 19  |   |   |                   |                       |                 |           |
| 20. TOTAL (sum of lines 16 - 19)  | \$0.00  | \$0.00  | \$0.00            | \$0.00                | \$0.00          |           |
| Section F - Other Budget Information  |   |   |                   |                       |                 |           |
| 21. Direct Charges:   | 22. Indirect Charges                              |   |                   |                       |                 |           |
| 23. Remarks   |   |   |                   |                       |                 |           |

| A) Operating Results for Track 1 and 4 Only  |                                       |  |                              |                          |
|--|---------------------------------------|--|------------------------------|--------------------------|
| Project Name   |                                       |  |                              |                          |
| Summary Fields   |                                       | Response   |                              |                          |
| Estimated year of program completion:  |                                       |  |                              |                          |
| Forecast year (fifth full year of operation):  |                                       |  |                              |                          |
| The following projections are for the forecast year:   |                                       |  |                              |                          |
| Change in State subsidy - better or (worse) - from the applicable subsidy in FY 2009   |                                       |  |                              |                          |
| In the following table, please describe the typical annual sources of funds that the applicant expects to apply to any incremental increase in State subsidy requirements: |                                       |  |                              |                          |
| Source (Describe)  | Amount to be applied in forecast year | Percent of forecast deficit to be covered by this source | Specify: annual or dedicated | Specify: new or existing |
|  |                                       |  |                              |                          |
|  |                                       |  |                              |                          |
|  |                                       |  |                              |                          |
|  |                                       |  |                              |                          |
| <b>TOTAL</b>   | 0%                                    | 0%   |                              |                          |
| <b>Analysis of Total: Percent that is—</b>   |                                       |  |                              |                          |
| Dedicated and existing   |                                       |  |                              |                          |
| Dedicated and new  |                                       |  |                              |                          |
| Annual and existing  |                                       |  |                              |                          |
| Annual and new   |                                       |  |                              |                          |

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| A) Operating Results for Track 2 Only   |                                       |  |                              |                          |
|---|---------------------------------------|--|------------------------------|--------------------------|
| Project Name:   |                                       |  |                              |                          |
| Summary information from the Business Plan. Constant FY 2009 Dollars.   |                                       |  |                              |                          |
| Note: The Business Plan needs to show a full 20-year projection of operating results, in FY 2009 dollars, starting with the first full year of operation.   |                                       |  |                              |                          |
| Summary Fields  |                                       | Response   |                              |                          |
| Estimated year of program completion:   |                                       |  |                              |                          |
| Forecast year (fifth full year of operation):   |                                       |  |                              |                          |
| The following projections are for the forecast year:  |                                       |  |                              |                          |
| Operating revenues (include net revenue from ancillary services; exclude any State subsidies)   |                                       |  |                              |                          |
| Operating and maintenance expenses  |                                       |  |                              |                          |
| Operating surplus/(deficit)   |                                       |  |                              |                          |
| Continuing investment requirements (vehicle overhauls, replacement, expansions; capitalized maintenance-of-way work; other requirements)(annualized amount based on analysis of entire planning period) |                                       |  |                              |                          |
| Surplus/(deficit) after continuing investment requirements  |                                       |  |                              |                          |
| In the following table, please describe the typical annual sources of funds that the applicant expects to apply to any deficit after continuing investment requirements:                                |                                       |  |                              |                          |
| Source (Describe)   | Amount to be applied in forecast year | Percent of forecast deficit to be covered by this source | Specify: annual or dedicated | Specify: new or existing |
|   |                                       |  |                              |                          |
|   |                                       |  |                              |                          |
|   |                                       |  |                              |                          |
| <b>TOTAL</b>  |                                       | 0%   | 0%                           |                          |
| <b>Analysis of Total:</b> Percent that is—  |                                       |  |                              |                          |
| Dedicated and existing  |                                       |  |                              |                          |
| Dedicated and new   |                                       |  |                              |                          |
| Annual and existing   |                                       |  |                              |                          |
| Annual and new  |                                       |  |                              |                          |

| A) Project Management Approach and Applicant Qualifications Narrative  |  |
|--|--|
| Project Name:  |  |
| <p>Describe the roles to be played by the applicant and other partners/stakeholders in implementing the proposed project, including, when applicable, the following information with references to the Project Management Plan submitted as part of the supporting documentation for the application:</p> <ul style="list-style-type: none"><li>• Overall Project Management</li><li>• Project Design</li><li>• Construction Management</li><li>• Construction Activities – provide relevant information on the use railroad force account labor, railroad contractors and grantee contractors</li><li>• Project Labor Agreements</li></ul> <p>Describe qualifications of the applicant and its key partners for undertaking the proposed project, include the following information</p> <ul style="list-style-type: none"><li>• Management Experience – provide relevant information on experience in managing rail investments projects and managing projects of a similar size and scope to the one proposed in this application.</li><li>• Financial Management Capacity and Capability– provide relevant information on audit results and capability to absorb potential cost overruns and financial responsibility for potential disposition requirements.</li><li>• Statutory references/ legal authority to build and oversee a rail capital investment</li></ul> <p>When applicable, describe the applicant’s financial, technical and legal capacity to support the operations of the benefiting service, including:</p> <ul style="list-style-type: none"><li>• Commitment of financial resources for operating expenses not covered by operating revenue;</li><li>• Current capital and operating financial condition</li><li>• Statutory references/ legal authority to operate IPR</li></ul> |  |



| A) Stakeholder Agreements Narrative  |  |
|--|--|
| Project Name:  |  |
| <p>Describe the applicant’s progress in reaching the needed agreements with key stakeholders to undertake the project, and the timeline for meeting outstanding agreements (when applicable). Describe previous experience in undertaking similar agreements and include information on the following:</p> <ul style="list-style-type: none"> <li>• Financial Agreements – Describe any cost sharing contribution the applicant intends to make towards the proposed project, including its source, level of commitment and agreement to cover additional resources to cover cost increases or financial shortfalls. Provide relevant information on the progress of agreements between funding stakeholders listed in the “Finance Template”.</li> <li>• Ownership Agreements – provide relevant information on the progress of agreements with railroad infrastructure owners listed in “Service Description” tables. Detail considerations related to project design and scope, project benefits, project implementation, use of project property, project maintenance, project ownership and disposition, statutory conditions or other.</li> <li>• Operating Agreements – provide relevant information on the progress of agreements with the proposed intended operator(s) listed in “Service Description” tables. Detail considerations related to project benefits, operation and financial conditions, statutory conditions, or other.</li> <li>• Other Stakeholder Agreements – including state and local governments</li> </ul> <p>If the proposed operator railroad was not selected competitively, please provide a justification for its selection, including why the selected operator is best, taking into account cost and other quantitative and qualitative factors, and why the use of the proposed operator will not needlessly increase the cost of the project or of the operations that it enables or improves</p> <p>Describe the anticipated ownership arrangements for project-funded real property and equipment<br/>                     If the proposed operator railroad was not selected competitively, please provide a justification for its selection, including why the selected operator is best, taking into account cost and other quantitative and qualitative factors, and why the use of the proposed operator will not needlessly increase the cost of the project or of the operations that it enables or improves<br/>                     Describe the anticipated ownership arrangements for project-funded real property and equipment (if applicable)</p> |  |



| A) Schedule - Tracks 1 and 4 Template  |                    |          |      |
|--|--------------------|----------|------|
| Project Name   |                    |          |      |
| Insert Project Sponsor's Name here   | Today's Date       | 5/30/09  |      |
| Insert Project Name and Location   | Yr of Base Year \$ | 2009     |      |
| Insert Current Phase (e.g. Applic.for Lol, PE/FD, Applic.for Construction Grant, Construction, Serv Ops) | Service Operation  | 2017     |      |
|  |                    |          |      |
| Insert comments, notes, etc.   | Start Date         | End Date | 2009 |
| <b>Preliminary Engineering (PE)</b>  | 01/01/09           | 06/01/11 |      |
| Issue requests for bids, make awards of PE contracts   |                    |          |      |
| PE Drawings; and cost estimate, schedule, ridership forecast refinement                                  |                    |          |      |
| Develop Project NEPA Document  |                    |          |      |
| Conduct reviews  |                    |          |      |
| Receive environmental determination for Project NEPA   |                    |          |      |
| Submit for FRA funding for FD/Construction   |                    |          |      |
| <b>Final Design (FD)</b>   | 01/01/09           | 06/01/11 |      |
| Issue requests for bids, make awards of FD contracts   |                    |          |      |
| FD Drawings; and cost estimate, schedule refinement  |                    |          |      |
| Conduct reviews  |                    |          |      |
| Submit request / receive FRA approval for Construction   |                    |          |      |
| Issue requests for bids, make awards of construction contracts   |                    |          |      |
| <b>Construction</b>  | 09/01/11           | 01/01/17 |      |
| Construct infrastructure   |                    |          |      |
| Acquire and test vehicles  |                    |          |      |
| <b>Service Ops / Closeout of Project</b>   | 01/01/17           | 03/01/19 |      |
| Service Operations   |                    |          |      |
| Completion of project close-out, resolution of claims  |                    |          |      |

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| <b>A) Schedule Track 2 Template</b>                                     |                    |                |
|---|--------------------|----------------|
| Insert Project Sponsor's Name here                                      | Today's Date       | <b>5/30/09</b> |
| Insert Project Name and Location  | Yr of Base Year \$ | 2009           |
| Insert Current Phase (e.g. Applic.for Lol, PE/FD, Appli                 | Service Operation  | 2017           |
| Insert comments, notes, etc.  | Start Date         | End Date       |
| <b>Service Development Plan</b>   | 01/01/05           | 06/01/06       |
| Develop Service Development Plan  |                    |                |
| Develop Service Selection NEPA documentation                            |                    |                |
| Conduct reviews   |                    |                |
| Receive environmental determination for Service Selection NEPA          |                    |                |
| Submit request / receive FRA approval for Letter of Intent              |                    |                |
| <b>Preliminary Engineering (PE)</b>                                     | 01/01/09           | 06/01/11       |
| Issue requests for bids, make awards of PE contracts                    |                    |                |
| PE Drawings; and cost estimate, schedule, ridership forecast refinement |                    |                |
| Develop Project NEPA Document   |                    |                |
| Conduct reviews   |                    |                |
| Receive environmental determination for Project NEPA                    |                    |                |
| Submit request / receive FRA funding obligation for FD/Construction     |                    |                |
| <b>Final Design (FD)</b>  | 01/01/09           | 06/01/11       |
| Issue requests for bids, make awards of FD contracts                    |                    |                |
| FD Drawings; and cost estimate, schedule refinement                     |                    |                |
| Acquisition of real estate, relocation of households and businesses     |                    |                |
| Conduct reviews   |                    |                |
| Submit request / receive FRA approval for Construction                  |                    |                |
| Issue requests for bids, make awards of construction contracts          |                    |                |
| <b>Construction</b>   | 09/01/11           | 01/01/17       |
| Construct infrastructure  |                    |                |
| Finalize real estate acquisitions and relocations                       |                    |                |
| Acquire and test vehicles   |                    |                |
| <b>Service Ops / Closeout of Project</b>                                | 01/01/17           | 03/01/19       |
| Service Operations  |                    |                |
| Completion of project close-out, resolution of claims                   |                    |                |







| FUNDING TEMPLATE  |               |  |                         |
|---|---------------|--|-------------------------|
| PROJECT NAME:   |               |  |                         |
| Total Capital Cost of Project in Millions of Constant 2009 Dollars (from the SCC Main Worksheet)  |               | Total Capital Cost of Project in Millions of YOE dollars (including finance charges, cost of professional services, and construction): (from SCC Main Worksheet) |                         |
| Track Specific Funding (1,2,3, or 4) (YOE \$):  |               | FRA Share of Project Cost  |                         |
| Estimated Cost of Preliminary Engineering (YOES):   |               | Estimated Cost of Final Design (YOE \$):   |                         |
| Total Finance Charges included in Capital Cost (include finance charges that are expected prior to either the revenue operations date or the fulfillment of the Project funding commitment, even if the financing charges are incurred by a funding partner that is not the project sponsor): (from the SCC Main Worksheet) |               |  |                         |
| Other Federal Capital Funding Sources   | Type of Funds | Dollar Amount (millions of YOE dollars)  | % of Total Capital Cost |
| 1)  |               |  | 0.0%                    |
| 2)  |               |  | 0.0%                    |
| 3)  |               |  | 0.0%                    |
| 4)  |               |  | 0.0%                    |
| <b>Total:</b>   |               |  |                         |
| State Capital Funding Sources (Funds provided by State agencies or legislatures such as bonds, dedicated sales tax, annual legislative appropriations, transportation trust funds, etc.)  | Type of Funds | Dollar Amount (millions of YOE dollars)  | % of Total Capital Cost |
| 1)  |               |  | 0.0%                    |
| 2)  |               |  | 0.0%                    |
| 3)  |               |  | 0.0%                    |
| 4)  |               |  | 0.0%                    |
| <b>Total:</b>   |               |  |                         |
| Other Public Funding Sources (Municipal, City, County, Township, or Regional funding such as bonds, sales tax, legislative appropriation, transportation, trust funds, etc.)  | Type of Funds | Dollar Amount (millions of YOE dollars)  | % of Total Capital Cost |
| 1)  |               |  | 0.0%                    |
| 2)  |               |  | 0.0%                    |
| 3)  |               |  | 0.0%                    |
| 4)  |               |  | 0.0%                    |
| <b>Total:</b>   |               |  |                         |
| Private Sector/In-Kind match/Other (Donations of right-of-way, construction of stations or parking, or funding for the project from a non-governmental entity, business, or business assoc.)  | Type of Funds | Dollar Amount (millions of YOE dollars)  | % of Total Capital Cost |
| 1)  |               |  | 0.0%                    |
| 2)  |               |  | 0.0%                    |
| 3)  |               |  | 0.0%                    |
| 4)  |               |  | 0.0%                    |
| <b>Total:</b>   |               |  |                         |
| <b>TOTAL NON-FRA FUNDING (millions of YOE dollars)</b>  |               | \$0  | 0.0%                    |
| <b>QA/QC CHECK: TOTAL CAPITAL COSTS</b>   |               | \$0  |                         |

| FUNDING TEMPLATE (Page 2)                                    |   |  |  |
|--|---|--|--|
| PROJECT NAME:  |   |  |  |
|  |   |  |  |
| Other Federal Sources<br>(Linked from page 1)                | Specifically Whether New or Existing Funding Source | Specifically Status of Funds -- Committed, Budgeted, or Planned (See instructions for details) | Identify Supporting Documentation Submitted to Verify Funding Source |
| 1)   |   |  |  |
| 2)   |   |  |  |
| 3)   |   |  |  |
| 4)   |   |  |  |
| State Sources<br>(Linked from page 1)                        |   |  |  |
| 1)   |   |  |  |
| 2)   |   |  |  |
| 3)   |   |  |  |
| 4)   |   |  |  |
| Other Public Sources<br>(Linked from page 1)                 |   |  |  |
| 1)   |   |  |  |
| 2)   |   |  |  |
| 3)   |   |  |  |
| 4)   |   |  |  |
| Private Sector/In-kind Match (Other)<br>(Linked from page 1) |   |  |  |
| 1)   |   |  |  |
| 2)   |   |  |  |
| 3)   |   |  |  |
| 4)   |   |  |  |

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Reference Notes: The following categories and definitions are applied to funding sources:  
**Committed:** Committed sources are programmed capital funds that have all the necessary approvals (legislative referendum) to be used to fund the proposed project without any additional action. These capital funds have been formally programmed in the State Rail Plan and/or any related local, regional, or state CIP or appropriation. Examples include dedicated or approved tax revenues, state capital grants that have been approved by all required legislative bodies, cash reserves that have been dedicated to the proposed project, and additional debt capacity that requires no further approvals and has been dedicated by the transit agency to the proposed project.  
**Budgeted:** This category is for funds that have been budgeted and/or programmed for use on the proposed project but remain uncommitted, i.e., the funds have not yet received statutory approval. Examples include debt financing in an agency-adopted CIP that has yet to be committed in their near future. Funds will be classified as budgeted where available funding cannot be committed until the grant is executed, or due to the local practices outside of the project sponsor's control (e.g., the project development schedule extends beyond the State Rail Program period).  
**Planned:** This category is for funds that are identified and have a reasonable chance of being committed, but are neither committed nor budgeted. Examples include proposed sources that require a scheduled referendum, requests for state/local capital grants, and proposed debt financing that has not yet been adopted in the agency's CIP.



**FUNDING TEMPLATE (Page 3)**

| Funding Source By Year                                  |  |      |      |      |      |      |      |      |      |      |      |      |
|---|--|------|------|------|------|------|------|------|------|------|------|------|
|   |  | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 |
| Total Cost in YOE Dollars                               |  |      |      |      |      |      |      |      |      |      |      |      |
| Below insert funding sources and amounts for each year. |  |      |      |      |      |      |      |      |      |      |      |      |
| FRA Funding   |  |      |      |      |      |      |      |      |      |      |      |      |
| Other Federal Funding                                   |  |      |      |      |      |      |      |      |      |      |      |      |
| State and Local   |  |      |      |      |      |      |      |      |      |      |      |      |
| Other Public Sources                                    |  |      |      |      |      |      |      |      |      |      |      |      |
| Private Sector/In-Kind Match                            |  |      |      |      |      |      |      |      |      |      |      |      |
| Total Project Cost (10-100)                             |  |      |      |      |      |      |      |      |      |      |      |      |

| Funding Source By Year                                  |  |      |      |      |      |      |      |      |      |      |      |
|---|--|------|------|------|------|------|------|------|------|------|------|
|   |  | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 |
| Total Cost in YOE Dollars                               |  |      |      |      |      |      |      |      |      |      |      |
| Below insert funding sources and amounts for each year. |  |      |      |      |      |      |      |      |      |      |      |
| FRA Funding   |  |      |      |      |      |      |      |      |      |      |      |
| Other Federal Funding                                   |  |      |      |      |      |      |      |      |      |      |      |
| State and Local   |  |      |      |      |      |      |      |      |      |      |      |
| Other Public Sources                                    |  |      |      |      |      |      |      |      |      |      |      |
| Private Sector/In-Kind Match                            |  |      |      |      |      |      |      |      |      |      |      |
| Total Project Cost (10-100)                             |  |      |      |      |      |      |      |      |      |      |      |

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**Project Implementation (Page 1)**

**Project Name:**

[Empty yellow box for Project Name]

**Project Implementation Narrative**

2) Describe the roles to be played by the project stakeholders in implementing the proposed project, include the following information and references to the Project Management Plan as necessary

- Overall Project Management
- Project Design
- Construction Management
- Construction Activities – provide relevant information on work forces, including railroad contractors and grantee contractors
- Project Labor Agreements

3) Identify risks to the success of the project and present risk mitigation strategies to address these risks, consider the following risks

- Grantee Risk
- Funding Risk
- Scheduling Risk
- Stakeholder Risk

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| Project Implementation (Page 3)   |                                 |      |        |
|---|---------------------------------|------|--------|
| <b>Project Name:</b>  |                                 |      |        |
| <b>3) Provide contact information for the Project Manager</b>                           | <b>Name</b>                     |      |        |
|   | <b>Contact Person and Email</b> | POC: | Email: |
|   | <b>Address</b>                  |      |        |
|   | <b>Telephone and Fax Number</b> | Tel: | Fax:   |
| <b>4) Provide contact information for the Agency CEO</b>                                | <b>Name</b>                     |      |        |
|   | <b>Contact Person and Email</b> | POC: | Email: |
|   | <b>Address</b>                  |      |        |
|   | <b>Telephone and Fax Number</b> | Tel: | Fax:   |
| <b>5) Provide contact information for Key Agency Staff:</b>                             | <b>Name</b>                     |      |        |
|   | <b>Contact Person and Email</b> | POC: | Email: |
|   | <b>Address</b>                  |      |        |
|   | <b>Telephone and Fax Number</b> | Tel: | Fax:   |
| <b>6) Provide contact information for Key Agency Staff: Ridership Forecasts</b>         | <b>Name</b>                     |      |        |
|   | <b>Contact Person and Email</b> | POC: | Email: |
|   | <b>Address</b>                  |      |        |
|   | <b>Telephone and Fax Number</b> | Tel: | Fax:   |
| <b>7) Provide contact information for Key Agency Staff: Cost Estimates</b>              | <b>Name</b>                     |      |        |
|   | <b>Contact Person and Email</b> | POC: | Email: |
|   | <b>Address</b>                  |      |        |
|   | <b>Telephone and Fax Number</b> | Tel: | Fax:   |
| <b>8) Provide contact information for Key Agency Staff: Environmental Documentation</b> | <b>Name</b>                     |      |        |
|   | <b>Contact Person and Email</b> | POC: | Email: |
|   | <b>Address</b>                  |      |        |
|   | <b>Telephone and Fax Number</b> | Tel: | Fax:   |
| <b>9) Provide contact information for Key Agency Staff: Safety Specialist</b>           | <b>Name</b>                     |      |        |
|   | <b>Contact Person and Email</b> | POC: | Email: |
|   | <b>Address</b>                  |      |        |
|   | <b>Telephone and Fax Number</b> | Tel: | Fax:   |
| <b>10) Provide contact information for Key Agency Staff: Financial Assessment</b>       | <b>Name</b>                     |      |        |
|   | <b>Contact Person and Email</b> | POC: | Email: |
|   | <b>Address</b>                  |      |        |
|   | <b>Telephone and Fax Number</b> | Tel: | Fax:   |
| <b>11) Provide contact information for Key Agency Staff: Project Maps</b>               | <b>Name</b>                     |      |        |
|   | <b>Contact Person and Email</b> | POC: | Email: |
|   | <b>Address</b>                  |      |        |
|   | <b>Telephone and Fax Number</b> | Tel: | Fax:   |

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| Project Implementation (Page 4)  |                          |      |        |
|--|--------------------------|------|--------|
| <b>Project Name:</b>   |                          |      |        |
| 12) Provide contact information for Key Agency Staff: Other                          | Name                     |      |        |
|  | Contact Person and Email | POC: | Email: |
|  | Address                  |      |        |
|  | Telephone and Fax Number | Tel: | Fax:   |
| 13) Provide contact information for Current Prime Contractor                         | Name                     |      |        |
|  | Contact Person and Email | POC: | Email: |
|  | Address                  |      |        |
|  | Telephone and Fax Number | Tel: | Fax:   |
| 14) Provide contact information for Prime Contractor: Project Manager                | Name                     |      |        |
|  | Contact Person and Email | POC: | Email: |
|  | Address                  |      |        |
|  | Telephone and Fax Number | Tel: | Fax:   |
| 15) Provide contact information for Contractor Responsible for Travel Forecasts      | Name                     |      |        |
|  | Contact Person and Email | POC: | Email: |
|  | Address                  |      |        |
|  | Telephone and Fax Number | Tel: | Fax:   |
| 16) Provide contact information for Contractor Responsible for Capital Cost Estimate | Name                     |      |        |
|  | Contact Person and Email | POC: | Email: |
|  | Address                  |      |        |
|  | Telephone and Fax Number | Tel: | Fax:   |

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**Project Uncertainties and Challenges Narrative**

**Project Name:**

If documentation is available on significant uncertainties and challenges for the project, provide a preliminary self-assessment focusing on the sources and nature of those uncertainties and the possible impacts on the implementation of the proposed project and the realization of its anticipated benefits. For example, significant uncertainties and challenges could be associated with stakeholder agreement, funding sources, cost, scheduling, ridership, commercial feasibility, applicant’s capacity (technical, financial, legal) or other, Describe risk mitigation strategies, including references to the Project Management Plan as necessary.

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