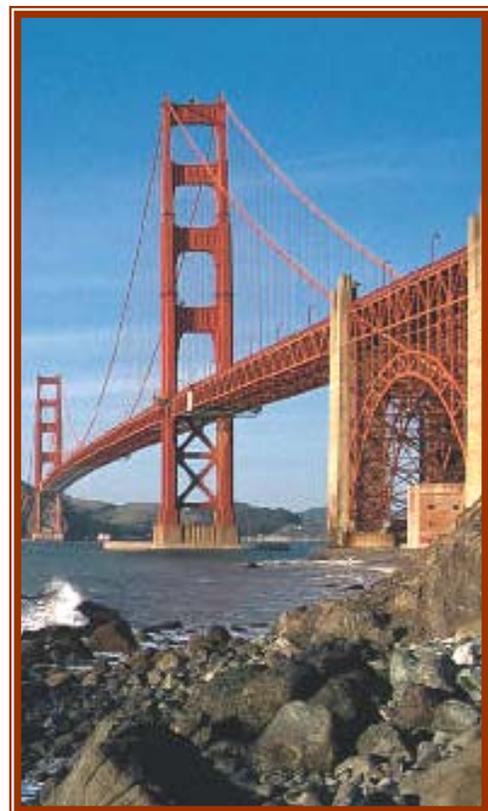


Report to: Committee on Appropriations

**As requested by: House of Representatives Report 106-622
Department of Transportation and Related Agencies Appropriations Bill, 2001**

Annual Summary of Major Projects (FY 2004)



**Prepared by: U.S. Department of Transportation
Federal Highway Administration**

Federal Highway Administration (FHWA)
Major Projects Team
Reports and Assessments for Fiscal Year (FY) 2004

Financial Plan Annual Updates for the following projects were reviewed for acceptance concurrently with the applicable Division Office:

1. I-95/Woodrow Wilson Bridge, VA, MD, and DC
2. I-25/I-225, Southeast Corridor (T-Rex), Denver, CO
3. I-95/New Haven Harbor Crossing, New Haven, CT
4. Central Artery/Ted Williams Tunnel, Boston, MA
5. I-80/San Francisco-Oakland Bay Bridge (East Span), San Francisco-Oakland, CA
6. Miami Intermodal Center, Miami, FL
7. Central Texas Turnpike, Austin, TX
8. I-10/Katy Freeway, Houston, TX
9. I-95/I-395/I-495, Springfield Interchange, Springfield, VA
10. I-43/I-94/I-794, Marquette Interchange, Milwaukee, WI

Developed and posted the **Major Project Program Cost Estimating Guidance** and **Contingency Fund Management for Major Projects** on the FHWA Office of Program Administration's web site.

Conducted the third annual **Major Project Oversight Managers Meeting**, in Miami, FL, to discuss and share best practices concerning Financial and Project Management issues for Major Projects across the country.

Conducted a **Project Cost Estimate Review** for the New Mississippi River Bridge Project, Missouri and Illinois. The review was conducted by a team of FHWA, Illinois Department of Transportation, and Missouri Department of Transportation personnel and was facilitated by a consultant.

Conducted a **Cost Estimate Process Review** for the Vermont Agency of Transportation, in Burlington, Vermont.

Assisted the Illinois Division Office in the preparation of a **Project Management Plan** for the New Mississippi River Bridge Project.

Worked with the FHWA Deputy Administrator to assemble a series of articles for the July/August 2004 edition of FHWA's **Public Roads** magazine, to capture key features that are important to the administration of Major Projects.

Participated on a **Road Safety Audit** team, conducted by FHWA's Office of Safety, for the Marquette Interchange, in Milwaukee, Wisconsin.

Maintained a Major Projects Team exhibit booth at the **Transportation Research Board's Annual Meeting** in Washington, DC. Displays of existing major projects and the latest guidance for the management of Major Projects were available.

Presented the **Central Artery/Tunnel Project Innovations and Advancement Program** for the Ohio Department of Transportation, in Columbus, Ohio.

Conducted a **Risk Management Workshop** with the Maryland and Virginia Division Offices, for Federal stewardship and oversight activities for the Woodrow Wilson Bridge, in Alexandria, Virginia.

Awarded a contract for the preparation of two **Pilot Training Courses** for major projects:

- Project Management for Executives
- Cost Estimating for Major Projects

Participated as Secretary on the AASHTO Task Force on Cost Estimating.

Made **presentation** on Major Projects and Financial Plans at the FHWA Field Financial Managers Conference.

Coordinated with the Transportation Infrastructure Finance and Innovation Act (TIFIA) Joint Program Office on the completion of the **TIFIA Project Oversight and Credit Monitoring Guide**.

Gave numerous **presentations** to State Transportation Agency and FHWA Division personnel on Major Project Financial and Project Management issues.

FHWA Major Projects

October 2004

Project Name	Project Location	Total Cost (Billions)	Status	Project Description	Cost Trend in Fiscal Year '04	Project Sponsor (State)	Funding Sources	Remarks
Alameda Corridor <i>Project Completed.</i>	Los Angeles, CA	Completed cost= \$2.4 Baseline= \$2.1 Begin Constr. 4/97	Construction (constr.) began in April 1997. Project opened for revenue service Apr. 2002.	20 mi. express line corridor linking Los Angeles and Long Beach ports with rail network in downtown Los Angeles.	Project completed.	California Department of Transportation and Alameda Corridor Trans. Authority	Project completed.	Project completed on schedule. Completed cost was 14% over baseline (0% growth from June 1999 budget).
SR 210/Foothill Freeway	Los Angeles, CA	As of Oct. 04= \$1.1 Baseline= \$1.2 Begin Constr. late 1997	Construction began in late 1997. 20 of 28.2 mi. opened in Nov. 2002. Final completion expected 2005.	28.2 mi. of 8-lane freeway construction, including 2 HOV lanes, from Foothill Boulevard in L.A. Co. to I-215 in San Bernardino Co.	Total project cost remained constant at \$1.1 billion.	California Department of Transportation	Federal funds \$602 million; remainder State and local funding.	Project pre-dates Finance Plan requirements.
I-80/San Francisco-Oakland Bay Bridge (East Span)	San Francisco/Oakland, CA	As of Oct. 04= \$2.985 Baseline= \$2.6 Initial (Init.) Finance Plan 12/01	Construction began in January 2002. Skyway under construction. Final completion scheduled for June 2011.	Replacement of San Francisco-Oakland Bay Bridge East Span.	Total project cost increased to \$2.985 billion.	California Department of Transportation	Federal-aid BR/IM funds \$229 million, TIFIA loan \$450 million; remainder State and local funding.	Increases in the construction cost have resulted in project delays.
I-25/I-225 Southeast Corridor	Denver, CO	As of Oct. 04= \$1.724 Baseline= \$1.66 Init. Finance Plan 5/01	Design-build contract awarded June 2001. Completion scheduled for September 2006.	Reconstruction of 18 mi. of I-25 and I-225, construction of 19 mi. of light-rail transit line with 13 new rail stations.	Total project cost increased to \$1.724 billion. \$56.9 million has been added for additional work, funded by third parties or project sponsors.	Colorado DOT and Denver Area Regional Transportation District (RTD). Also, local cities, counties, and associations.	FTA New Starts funding \$525 million, FHWA \$397 million in anticipated GARVEE bonds; remainder State and local funding.	Project is considering out of scope work funded by third parties as long as the schedule and cost of the original work is not affected.

Project Name	Project Location	Total Cost (Billions)	Status	Project Description	Cost Trend in Fiscal Year '04	Project Sponsor (State)	Funding Sources	Remarks
I-95/New Haven Harbor Crossing	New Haven, CT	As of Oct. 04= \$1.041 Baseline= \$0.834 Initial Finance Plan 12/00	Under construction. Work is scheduled to be completed by November 2011.	Reconstruction of 7.2 mi. of I-95, including a new 10-lane Pearl Harbor Memorial Bridge over New Haven Harbor, and Interchanges 46 through 54.	Total project cost remained at \$1.041 billion.	Connecticut DOT	FHWA/State normal funding. Federal funding estimated to be approx. 88% of total cost.	Project started out less than \$1.0 billion. Finance Plans are now required.
Kennedy Center (KC) Plaza Project	Washington, DC	As of Oct. 04= \$.610 Baseline= N/A Finance Plan has not been submitted.	Currently in design. Work is scheduled to be completed in late 2013	Construction of the Kennedy Center Plaza and deck between 23 rd Street and the existing Kennedy Center building, and lowering of the Potomac Freeway and E Street Expressway.	Total project cost remained at \$610 million.	Kennedy Center	Kennedy Center Authorization Act of 2002 authorized the appropriation of \$400 million.	Additional funding is needed to complete project.
Miami Intermodal Center (MIC)	Miami, FL	As of Oct. 04= \$1.32 Baseline= \$1.35 Init. Finance Plan 7/99	Currently in design. Rental car facility and major roadway construction began June 2003, people mover to begin 2005, and MIC core to begin April 2006. Project scheduled for completion January 2008.	Construction of multi-modal center for Miami Intl. Airport, including rental car garage, intermodal center, people mover, and roadways.	Total project cost remained at \$1.32 billion.	Florida DOT, Miami-Dade Aviation Dept. (MDAD). Also, Miami-Dade Expressway, Miami-Dade County, and Tri-County Commuter Rail.	TIFIA loan \$441 million, Federal-aid \$63 million, MDAD airport capital improvement \$232 million; remainder State and local funding.	None.

Project Name	Project Location	Total Cost (Billions)	Status	Project Description	Cost Trend in Fiscal Year '04	Project Sponsor (State)	Funding Sources	Remarks
Tampa Interstate System (I-4/I-275)	Tampa, FL	As of Oct. 04= \$1.028 Baseline= \$1.028	Construction began on first of four programmed contracts. Fourth contract anticipated to be funded in 2010. Two additional contracts are currently unfunded. Pending availability of funds, completion date is December 2013.	Reconstruction and widening of approximately 13 mi. of I-4 and I-275, and construction of the Crosstown Connector to improve operation, capacity, and safety.	Total project cost remained at \$1.028 billion.	Florida DOT	FHWA/State normal funding (90/10 for Interstate and 80/20 for Congestion Management).	Alternative Financial Plan reporting methodology being piloted.
I-4	Orlando, FL	As of Oct. 04= \$2.5 Under Design = \$1.5 Baseline= TBD	15.4 mi. section from Kirkman Road to Maitland Boulevard is under design. Construction anticipated to begin in 2008.	Reconstruction of 73 mi. of I-4.	Total project cost remained at \$2.5 billion.	Florida DOT, Florida Turnpike Enterprise and Orlando-Orange County Expressway Authority (OOCEA).	FHWA/State normal funding (90/10 for Interstate). \$250 million from the Florida Turnpike Enterprise	None.
CREATE (Chicago Region Environmental And Transportation Efficiency) Program of Projects	Chicago, IL	As of Oct. 04= \$1.7 Baseline= TBD	Program tentatively scheduled for completion by 2014.	Construction of new railroad (RR) track on new alignment; RR grade separations; RR flyovers; replacement of track; and upgrades.	Cost is \$1.7 billion.	Illinois DOT, Chicago DOT, and Association of American Railroads.	Federal funding sources to be determined. \$212 million from local railroads.	Unknown funding sources could delay the program of projects.

Project Name	Project Location	Total Cost (Billions)	Status	Project Description	Cost Trend in Fiscal Year '04	Project Sponsor (State)	Funding Sources	Remarks
New Mississippi River Bridge	IL/MO (St. Louis, MO)	As of Oct. 04= \$1.6 Baseline= TBD	EIS completed Mar. 2001. ROD issued June 2001. Project is currently in design. Construction anticipated to begin 2004.	Construction of new bridge crossing the Mississippi River, relocation of I-70, realignment of IL Route 3, and reconstruction of Tri-level interchange.	Total project cost increased to \$1.6 billion.	Illinois DOT (lead) and Missouri DOT	FHWA/State normal funding for Tri-level interchange. IL Route 3 is State funding. A mix of federal discretionary, federal-aid, and State funding is planned for remainder.	None.
New Ohio River Bridges	KY/IN (Louisville, KY)	As of Oct. 04= \$2.5 Baseline= TBD	EIS completed April 2003. ROD issued September 2003. Project is currently in design. Design will begin in 2004 and construction will begin in 2007.	Construction of 2 new bridges crossing the Ohio River, and construction of the new Kennedy interchange.	Total project cost remained at \$2.5 billion.	Kentucky Transportation Cabinet (lead) and Indiana DOT	A mix of federal discretionary, federal-aid, and State funding is planned for remainder.	None.
Central Artery/Ted Williams Tunnel	Boston, MA	As of Oct. 04= \$14.625 Baseline= \$13.512 Finance Plan Update 6/00	Construction is 94.3% complete, with completion expected between May and September 2005.	Replace existing I-93 viaduct in downtown Boston with 8-10 lane tunnels and new cable-stayed bridge over the Charles River, and construct I-90 extension with 4-lane tunnel to Logan Airport (7.5 mi. total).	Total project cost remained constant at \$14.625 billion.	Massachusetts Turnpike Authority	FHWA funds capped at \$8.549 billion; remainder State and local funding.	None.

Project Name	Project Location	Total Cost (Billions)	Status	Project Description	Cost Trend in Fiscal Year '04	Project Sponsor (State)	Funding Sources	Remarks
I-94/Edsel Ford Freeway	Detroit, MI	As of Oct. 04= \$1.0 Baseline= TBD	Construction anticipated to begin in 2007.	Reconstruction of 6.7 mi. of I-94 from I-96 to Conner Avenue.	Cost is \$1.0 billion.	Michigan DOT	FHWA/State normal funding (90/10 for Interstate and 80/20 for Congestion Management).	None.
Mon/Fayette Expressway	Pittsburgh, PA	As of Oct. 04= \$1.7 Baseline= TBD	ROD expected at the end of 2004.	Construction of 24 mi. of new toll road facility from State Route 51 to Pittsburgh (I-376).	Cost is \$1.7 billion.	Pennsylvania DOT, and Pennsylvania Turnpike Commission	FHWA/State normal funding (90/10 for Interstate and 80/20 for Congestion Management).	None.
Central Texas Turnpike	Austin, TX	As of Oct. 04= \$3.339 Baseline= \$3.577 Initial Finance Plan 10/02	ROD's completed for all 3 segments. The first phase (SH 130) awarded May 2002 as a Design-Build (EDA) project. First phase completion approximately 2007. The second phase will be completed December 2011. The third phase is unfunded.	Construction of 120+ mi. of toll facilities to ease congestion on I-35 in Central Texas. Project will be completed in 3 phases.	Total project cost decreased to \$3.339 billion.	Texas Turnpike Authority, a Division of Texas DOT. Also, local cities, counties, and associations.	TIFIA loan \$917 million, FHWA \$700 million; remainder State and local funding.	None.
I-10/Katy Freeway	Houston, TX	As of Oct. 04= \$2.192 Baseline= \$1.761	Final EIS complete. ROD issued January 2002. Construction expected to be completed March 2009.	Reconstruction of 38 mi. of I-10 from Houston to Katy. Also, reconstruction of 2.6 mi. of I-610.	Cost increased to \$2.192 billion.	Texas DOT	FHWA/State normal funding. Federal funding estimated to be approx. 72% of total cost. \$250 million from Harris County.	None.

Project Name	Project Location	Total Cost (Billions)	Status	Project Description	Cost Trend in Fiscal Year '04	Project Sponsor (State)	Funding Sources	Remarks
Trans Texas Corridor	From Oklahoma State Line to Mexico State Line in TX	Unknown	Tier 1 EIS to begin in 2005. Procurement of a Comprehensive Development Agreement is underway by Texas DOT.	Reconstruction along the I-35 corridor from the Oklahoma State Line to Mexico State Line.	Not Applicable.	Texas DOT	Funding sources to be determined.	None.
I-15 Corridor <i>Project Completed.</i>	Salt Lake City, UT	Completed cost=\$1.59 Baseline=\$1.36 Init. Finance Plan 7/96	Design-Build contract began 1996. Project completed Summer 2001.	Reconstruction of 17 mi. of I-15, with auxiliary and HOV lanes added.	Project completed.	Utah DOT	Project completed.	D-B project completed on schedule. Completed cost was 17% over baseline, but 0% growth from the D-B negotiated price, shortly after the RFP stage.
I-95/Woodrow Wilson Bridge	VA/MD/DC	As of Oct. 04=\$2.427 Baseline=\$2.443 Init. Finance Plan 9/01	Construction began Oct. 2000. Eastbound bridge completion anticipated May 2006, and Westbound bridge completion anticipated June 2008. Final Telegraph Rd. completion scheduled for 2011. MD 210 completion scheduled for 2007.	Replacement of existing 6-lane bridge with new 12-lane double structure, including auxiliary and HOV lanes. Reconstruction of adjacent interchanges.	Total project cost decreased to \$2.427 billion.	Maryland State Highway Administration (lead for bridge and Maryland interchanges), Virginia DOT (lead for Virginia interchanges), and District of Columbia DOT (lead for I-295)	Current ceiling is \$1.631 billion in designated Federal funding from WWB Financing Acts and RABA; remainder State funding.	None.

Project Name	Project Location	Total Cost (Billions)	Status	Project Description	Cost Trend in Fiscal Year '04	Project Sponsor (State)	Funding Sources	Remarks
I-95/I-495 Springfield Interchange	Springfield, VA	As of Oct. 04= \$0.673 Baseline= \$0.676	Phases I, II, III, and V Complete. Phases IV and VI/VII under construction. VIII-Design 55% complete. On hold until Beltway HOV is designed. Completion date is July 2007.	Reconstruction of I-95/I-495 and I-95/Route 644 interchanges, with separation of local, through, and HOV traffic and direct ramp access.	Total project cost decreased to \$0.673 billion.	Virginia DOT	Federal funding = \$640 million. Remainder State funding.	None.
I-64/Hampton Roads Third Crossing	Hampton Roads Area, VA	As of Oct. 04= \$4.43 Baseline= TBD	EIS completed March 2001. ROD issued June 2001.	Construction new 34 mi. tunnel/highway system, connecting I-64 on the north to several NHS routes on the south. This will become the third crossing of Hampton Roads.	Total project cost remained at \$4.43 billion.	Virginia DOT	Funding structure to be included in PPTA future proposals.	Project on hold, pending funding.
I-43/I-94/I-794 Marquette Interchange	Milwaukee, WI	As of Oct. 04= \$1.1 Baseline= \$0.810	FONSI issued Feb. 2002. Construction began in April 2004. Completion date is Dec. 2008.	Reconstruction of the Marquette Interchange and approaches in downtown Milwaukee.	Total project cost remained constant at \$1.1 billion.	Wisconsin DOT	Federal funds, State Transportation funds, and State General Obligation Bonds.	None.

Key to Acronyms:

BR/IM=Bridge Rehabilitation/Interstate Maintenance
D-B=Design-Build
DOT=Department of Transportation
EDA=Exclusive Development Agreement
EE=Engineer's Estimate

EIS=Environmental Impact Statement
FONSI=Finding of No Significant Impact
FTA=Federal Transit Administration
GARVEE=Grant Anticipation Revenue Vehicles
GEC=General Engineering Consultant

HOV=High Occupancy Vehicle
NHS=National Highway System
OCIP=Owner Controlled Insurance Program
PLA=Project Labor Agreement
PPTA=Public-Private Transportation Act
ROD=Record of Decision

RABA=Revenue Aligned Budget Authority
RFP=Request for Proposals
TIFIA=Transportation Infrastructure Finance and Innovation Act
TBD=To Be Determined