



THE SECRETARY OF TRANSPORTATION
WASHINGTON, DC 20590

February 10, 2020

The Honorable Richard C. Shelby
Chairman
Committee on Appropriations
United States Senate
Washington, DC 20510

Dear Mr. Chairman:

The Department is pleased to present the Annual Summary of Major Projects (Fiscal Year 2018) in accordance with the U.S. House of Representatives Report 106-622, which accompanied the Fiscal Year 2001 Department of Transportation and Related Agencies Appropriations Act.

Item 3 of the House Report, under the heading of *Central Artery/Third Harbor Tunnel Project, Boston, Massachusetts*, requested an annual summary of reports and assessments issued by the Federal Highway Administration's Major Projects Team, including a summary of highway projects that cost over \$1 billion. Section 1904(a) of the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users reduced the cost threshold of major projects from \$1 billion to \$500 million. The enclosed summary includes major projects that meet this threshold.

A similar letter has been sent to the Vice Chairman of the Senate Committee on Appropriations; the Chairman and Ranking Member of the Senate Subcommittee on Transportation, Housing and Urban Development, and Related Agencies, the Chairman and Ranking Member of the House Committee on Appropriations; and the Chairman and Ranking Member of the House Subcommittee on Transportation, and Housing and Urban Development, and Related Agencies.

Sincerely,

A handwritten signature in blue ink that reads "Elaine L. Chao".

Elaine L. Chao

Enclosure



THE SECRETARY OF TRANSPORTATION
WASHINGTON, DC 20590

February 10, 2020

The Honorable Patrick J. Leahy
Vice Chairman
Committee on Appropriations
United States Senate
Washington, DC 20510

Dear Senator Leahy:

The Department is pleased to present the Annual Summary of Major Projects (Fiscal Year 2018) in accordance with the U.S. House of Representatives Report 106-622, which accompanied the Fiscal Year 2001 Department of Transportation and Related Agencies Appropriations Act.

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A similar letter has been sent to the Chairman of the Senate Committee on Appropriations; the Chairman and Ranking Member of the Senate Subcommittee on Transportation, Housing and Urban Development, and Related Agencies; the Chairman and Ranking Member of the House Committee on Appropriations; and the Chairman and Ranking Member of the House Subcommittee on Transportation, and Housing and Urban Development, and Related Agencies.

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Elaine L. Chao

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THE SECRETARY OF TRANSPORTATION
WASHINGTON, DC 20590

February 10, 2020

The Honorable Susan Collins
Chairman
Subcommittee on Transportation, Housing
and Urban Development, and Related Agencies
Committee on Appropriations
United States Senate
Washington, DC 20510

Dear Madam Chairman:

The Department is pleased to present the Annual Summary of Major Projects (Fiscal Year 2018) in accordance with the U.S. House of Representatives Report 106-622, which accompanied the Fiscal Year 2001 Department of Transportation and Related Agencies Appropriations Act.

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A similar letter has been sent to the Ranking Member of the Senate Subcommittee on Transportation, Housing and Urban Development, and Related Agencies; the Chairman and Vice Chairman of the Senate Committee on Appropriations; the Chairman and Ranking Member of the House Committee on Appropriations; and the Chairman and Ranking Member of the House Subcommittee on Transportation, and Housing and Urban Development, and Related Agencies.

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THE SECRETARY OF TRANSPORTATION
WASHINGTON, DC 20590

February 10, 2020

The Honorable Jack Reed
Ranking Member
Subcommittee on Transportation, Housing
and Urban Development, and Related Agencies
Committee on Appropriations
United States Senate
Washington, DC 20510

Dear Senator Reed:

The Department is pleased to present the Annual Summary of Major Projects (Fiscal Year 2018) in accordance with the U.S. House of Representatives Report 106-622, which accompanied the Fiscal Year 2001 Department of Transportation and Related Agencies Appropriations Act.

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A similar letter has been sent to the Chairman of the Senate Subcommittee on Transportation, Housing and Urban Development, and Related Agencies; the Chairman and Vice Chairman of the Senate Committee on Appropriations; the Chairman and Ranking Member of the House Committee on Appropriations; and the Chairman and Ranking Member of the House Subcommittee on Transportation, and Housing and Urban Development, and Related Agencies.

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Elaine L. Chao

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THE SECRETARY OF TRANSPORTATION
WASHINGTON, DC 20590

February 10, 2020

The Honorable Nita M. Lowey
Chairman
Committee on Appropriations
U.S. House of Representatives
Washington, DC 20515

Dear Madam Chairwoman:

The Department is pleased to present the Annual Summary of Major Projects (Fiscal Year 2018) in accordance with the U.S. House of Representatives Report 106-622, which accompanied the Fiscal Year 2001 Department of Transportation and Related Agencies Appropriations Act.

Item 3 of the House Report, under the heading of *Central Artery/Third Harbor Tunnel Project, Boston, Massachusetts*, requested an annual summary of reports and assessments issued by the Federal Highway Administration's Major Projects Team, including a summary of highway projects that cost over \$1 billion. Section 1904(a) of the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users reduced the cost threshold of major projects from \$1 billion to \$500 million. The enclosed summary includes major projects that meet this threshold.

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THE SECRETARY OF TRANSPORTATION
WASHINGTON, DC 20590

February 10, 2020

The Honorable Kay Granger
Ranking Member
Committee on Appropriations
U.S. House of Representatives
Washington, DC 20515

Dear Congresswoman Granger:

The Department is pleased to present the Annual Summary of Major Projects (Fiscal Year 2018) in accordance with the U.S. House of Representatives Report 106-622, which accompanied the Fiscal Year 2001 Department of Transportation and Related Agencies Appropriations Act.

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Elaine L. Chao

Enclosure



THE SECRETARY OF TRANSPORTATION
WASHINGTON, DC 20590

February 10, 2020

The Honorable David E. Price
Chairman
Subcommittee on Transportation, and Housing
and Urban Development, and Related Agencies
Committee on Appropriations
U.S. House of Representatives
Washington, DC 20515

Dear Mr. Chairman:

The Department is pleased to present the Annual Summary of Major Projects (Fiscal Year 2018) in accordance with the U.S. House of Representatives Report 106-622, which accompanied the Fiscal Year 2001 Department of Transportation and Related Agencies Appropriations Act.

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Elaine L. Chao

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THE SECRETARY OF TRANSPORTATION
WASHINGTON, DC 20590

February 10, 2020

The Honorable Mario Diaz-Balart
Ranking Member
Subcommittee on Transportation, and Housing
and Urban Development, and Related Agencies
Committee on Appropriations
U.S. House of Representatives
Washington, DC 20515

Dear Congressman Diaz-Balart:

The Department is pleased to present the Annual Summary of Major Projects (Fiscal Year 2018) in accordance with the U.S. House of Representatives Report 106-622, which accompanied the Fiscal Year 2001 Department of Transportation and Related Agencies Appropriations Act.

Item 3 of the House Report, under the heading of *Central Artery/Third Harbor Tunnel Project, Boston, Massachusetts*, requested an annual summary of reports and assessments issued by the Federal Highway Administration's Major Projects Team, including a summary of highway projects that cost over \$1 billion. Section 1904(a) of the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users reduced the cost threshold of major projects from \$1 billion to \$500 million. The enclosed summary includes major projects that meet this threshold.

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Enclosure



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

Annual Summary of Major Projects Fiscal Year 2018

**Report to the House and Senate
Committees on Appropriations**

**Federal Highway Administration
Office of Infrastructure
Office of Stewardship, Oversight and Management
Major Projects Team**

This annual summary reports the activities of the Federal Highway Administration (FHWA) on Major Projects for Fiscal Year (FY) 2018, as of October 1, 2018. The FHWA takes a leadership role in advancing transportation initiatives through the stewardship and oversight of Major Projects, which are defined as those with a total cost of \$500 million or more. 23 U.S.C. § 106(h). In FY 2018, there were 90 active Major Projects. This annual summary documents the performance of these Major Projects and the actions FHWA has taken to improve their performance.

Active Major Projects are those that have completed National Environmental Policy Act (NEPA) decision documents, have begun the next stage of project development, and are actively advancing in design or construction. Since FHWA started tracking Major Projects in 2001, 49 Major Projects have been completed. Three of these projects listed below were completed in FY 2018.

- | | | | |
|----|-------------|--------------------------------|--------------------|
| 1. | California | SR-4 East Widening Project | Bay Area - Antioch |
| 2. | California | SR-91 Corridor Improvement | Riverside County |
| 3. | Connecticut | I-95 New Haven Harbor Crossing | New Haven |

Appendix A provides a listing of the active Major Projects. Appendix B provides information for the completed Major Projects.

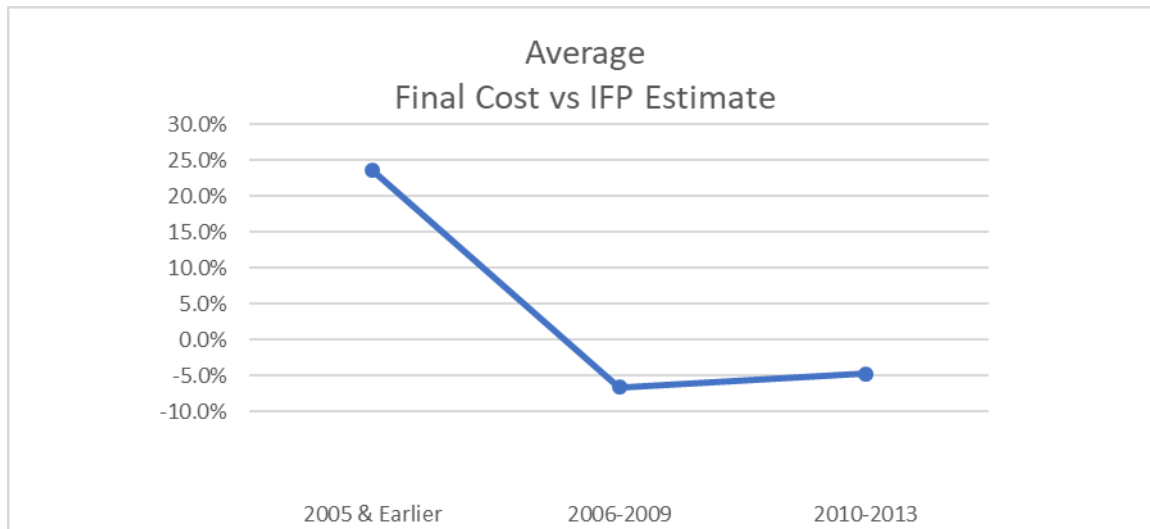
The FHWA tracks cost estimates and scheduled completion dates for projects with approved financial plans. In FY 2018, FHWA evaluated the cost and schedule performance for 94 financial plans that were submitted and approved for 90 projects.¹ Based on information reported in financial plans, the estimated total project costs were within 2 percent of the previous year's estimate of project costs for 81 percent of the active projects in FY 2018. Similarly, the estimated project completion date was within 2 percent of the previous year's scheduled completion dates for 67 percent of the active projects in FY 2018. Critical issues include scope creep and lack of funding on phased projects. One of the three projects completed in FY 2018 was under budget based on the Initial Financial Plan. None of the projects was completed ahead of schedule.

After analyzing the schedule and cost performance data, FHWA's Major Projects Team works with FHWA's State division offices to respond to schedule delays and cost increases that fall outside our 2-percent metric mentioned in the previous paragraph. In addition, FHWA division offices work very closely with the project sponsors to monitor cost and schedule and other project-related issues and adjust the Stewardship and Oversight (S&O) strategies to focus on the issues that create the greatest risk to budget and schedule.

The following graph provides an overview of the performance of the Major Projects Program based on completed projects. Forty-nine projects have been completed since FHWA started

¹ For 4 of the 90 projects, 2 financial plans were reviewed and approved in FY 2018.

tracking Major Projects within this program. Twenty of them were started prior to the Cost Estimate Review process that FHWA began in 2006. They had an average overrun of 23.6 percent. Twenty more projects began in the period of 2006 through 2009. These projects had an average underrun of 6.6 percent. Eight projects started in 2010 or later are complete. These projects have an average underrun of 4.6 percent.



Financial Plans

Title 23, United States Code (U.S.C.), Section 106(h) provides the statutory basis for FHWA’s oversight of Major Projects. One of the requirements in Section 106(h)(1)(B) is for “an annual financial plan, including a phasing plan when applicable.” The development of a sound financial plan is critical in securing adequate financing for a project. Development of the Initial Financial Plan (IFP) requires a reasonable estimate of the required work. Development of this level of estimate generally is not available until near the end of the NEPA process. The IFP provides a reasonable assurance that there will be sufficient financial resources available to implement the project as planned. The FHWA requires approval of the IFP prior to authorizing Federal funding for the construction contract. The IFPs for the following 10 Major Projects were reviewed and approved in FY 2018:

- | | | | |
|-----|----------------|---|------------------------------|
| 1. | California | I-10 Corridor Project | San Bernardino |
| 2. | California | SR-11 and Otay Mesa East Port of Entry | San Diego |
| 3. | Colorado | Central 70 (formerly I-70 East) | Denver |
| 4. | Florida | First Coast Expressway/St. Johns River | St. Johns/Clay Counties |
| 5. | Florida | I-75/SR-826 Managed Lanes | Miami |
| 6. | Indiana | I-69 SIU 3 Section 6 | Martinsville to Indianapolis |
| 7. | South Carolina | I-26 Widening & Improvements | Irmo to Little Mountain |
| 8. | Texas | State Highway 249 Extension | Houston |
| 9. | Virginia | I-64 Southside Widen & High Rise Bridge | Chesapeake |
| 10. | Virginia | I-66, Outside the Beltway | Gainesville to I-495 |

Cost Estimate Reviews

In 2005, FHWA began using risk-based cost estimate reviews (CERs) for Major Projects. The risk-based estimating process is used to determine the baseline budget that is used in an IFP for each major project. This estimating process considers all known risks in determining the potential range of the project's total cost. A 70-percent confidence value within that range is used to determine the baseline budget amount. This means that 70 percent of the time the final project cost should be less than or equal to the baseline budget amount.

The Major Projects Team tracks the effectiveness of the risk-based estimating process in setting a Major Project's baseline budget amount at the 70-percent confidence level. Overall, 26 Major Projects that used the risk-based estimating process have been completed. Of these 26 projects, 17 (65.4 percent) had final costs that were less than their baseline budget amount. This result indicates that the risk-based cost estimate review process is working as intended to set reasonable baseline budgets for Major Projects. Our database contains another 20 projects that did not use the risk-based estimating process as they were in construction when the risk-based estimating process began. Nine of these projects (45.0 percent) had total costs at or below the initial estimate.

In FY 2018, risk-based cost estimate reviews were conducted for 27 Major Projects. Seven were for active projects used to update the cost analysis during the life of the project. Three were for projects that became active during the Fiscal Year, meaning the IFP was completed for these projects as a result of the cost estimate review. These three projects are listed below:

- | | | | |
|----|----------------|--|-------------------------|
| 1. | Florida | First Coast Expressway/St. Johns River | St. Johns/Clay Counties |
| 2. | Florida | I-75/SR-826 Managed Lanes | Miami |
| 3. | South Carolina | I-26 Widening & Improvements | Irmo to Little Mountain |

The remaining 17 CERs were used to inform the NEPA document and IFP. These projects are in the final stages of preparation and are expected to become active:

- | | | | |
|-----|----------------|-----------------------------------|-------------------------|
| 1. | Alabama | I-10 Mobile River Bridge | Mobile |
| 2. | Arkansas | I-30 Crossing | Little Rock |
| 3. | California | I-5 Widening | Orange County |
| 4. | Florida | Howard Frankland Bridge | Tampa |
| 5. | Florida | SR-528 – SR-524 to SR-3 | Cape Canaveral |
| 6. | Maryland | I-95 Access | Baltimore |
| 7. | Maryland | Governor Nice Bridge | US-301 at Potomac River |
| 8. | North Carolina | I-26 Connector in Asheville | Asheville |
| 9. | North Carolina | I-26 Widening | South of Asheville |
| 10. | North Carolina | Complete 540 | Raleigh |
| 11. | North Carolina | I-440 Widening | Raleigh |
| 12. | North Carolina | Mid-Currituck | Currituck Sound |
| 13. | Nevada | Pyramid Highway/US-395 Connection | Reno |
| 14. | New York | Hunt's Point | Bronx, New York City |
| 15. | South Carolina | Carolina Crossroads | Columbia |
| 16. | Texas | Montana Avenue | El Paso |
| 17. | Texas | I-410 Southwest | San Antonio |

Project Management Plans

The second item required in 23 U.S.C. 106(h)(1)(A) is a project management plan. The FHWA uses project management plans to help ensure successful project delivery and the maintenance of public trust, support, and confidence throughout the life of the project. Project Management Plans for 21 Major Projects were reviewed and approved during FY 2018. Project Management Plans serve for the life of the project unless major changes occur with the project scope or management.

1.	Arizona	SR-202L/South Mountain Freeway	Phoenix
2.	California	I-10 Corridor Project	San Bernardino
3.	California	I-5 South County (SR-73 to El Toro Rd)	Orange County
4.	California	SR-11 and Otay Mesa East Port of Entry	San Diego County
5.	Colorado	Central 70	Denver
6.	Florida	First Coast Expressway/St. Johns River	St. Johns & Clay Counties
7.	Florida	Howard Frankland Bridge	Tampa Bay
8.	Georgia	I-285/GA-400 Interchange Project	Atlanta
9.	Illinois	Jane Byrne Interchange	Chicago
10.	Indiana	I-69 SIU Section 6	Martinsville to Indianapolis
11.	Iowa	Council Bluffs System Improvements	Council Bluffs
12.	Michigan	I-75	Detroit
13.	Michigan	I-94/Edsel Ford Freeway	Detroit
14.	Nevada	I-15/Project NEON	Las Vegas
15.	New York	Kosciuszko Bridge Replacement	Queens, New York City
16.	South Carolina	I-26 Widening and Improvements	Irmo to Little Mountain
17.	Texas	DFW Connector	Dallas/Fort Worth
18.	Texas	I-35 Waco Sections 4A, 4B & 4C	Waco
19.	Texas	SH-99 Grand Parkway, Segment H & I	Houston
20.	Texas	SH-249 Extension	Pinehurst to Navasota
21.	Virginia	I-64 Southside & High Rise Bridge	Hampton Roads

Awareness and Capacity Building

The Major Projects Team participated in the following activities with FHWA's partners and division office staff to promote the oversight and stewardship of Major Projects:

- Quarterly in FY 2018 - The Major Projects Team continued delivering Webinars for FHWA Project Oversight Managers on November 8, 2017, February 28, 2018, May 22, 2018, and August 7, 2018. Topics included the roll-out of the Major Projects Team Lessons Learned Program, the upcoming Discipline Seminars and the use of virtual reality in construction of Major Projects. Two of these Webinars included presenters and participants from State departments of transportation and consulting agencies.
- July 11-12, 2018 – The Major Projects Team held a workshop for the Agency's specially designated Project Oversight Managers (sdPOM) to provide updates and gather input about

the sdPOM management model and discuss issues and lessons learned regarding the stewardship and oversight of Major Projects.

- May 22, 2018 – The Major Projects Team rolled out the Major Projects Lessons Learned Program. The purpose of the Lessons Learned Program is to document lessons learned and best practices on Major Projects. The FHWA’s goal of the Lessons Learned Program is to improve the stewardship and oversight of FHWA Major Projects.
- Beginning in FY 2018 - The Major Projects Team began reporting quarterly on the amount and causes for cost and schedule increases. This effort, reported on the FHWA Leadership Dashboard, is providing information to leadership and the Major Projects Team on the root causes for these increases. Knowledge of these impacts is used to influence the management of these projects in controlling cost and schedule creep.

Key to Acronyms:

U.S. DOT – Department of Transportation

EIS – Environmental Impact Statement

FONSI – Finding of No Significant Impact

FPAU – Financial Plan Annual Update

GARVEE – Grant Anticipation Revenue Vehicles

HOT – High Occupancy Toll

IFP – Initial Financial Plan

HOV – High Occupancy Vehicle

LDCA – Location Design Concept Acceptance

RABA – Revenue Aligned Budget Authority

RFP – Request for Proposals

ROD – Record of Decision

TIFIA – Transportation Infrastructure Finance and Innovation Act

TIGER – Transportation Investment Generating Economic Recovery

TBD – To Be Determined

Data as of October 1, 2018

Project Name	Project Location	Total Cost (Millions)	Status	Project Description	Cost Trend* in Fiscal Year 2018	Project Sponsor	Funding Sources
Birmingham Northern Beltline	Birmingham, AL.	\$1,930 Baseline is \$1,930 from the 2017 IFP.	Under construction. Current completion date is 9/2047. Baseline completion date is 9/2047.	Construction of new 52-mile freeway from I-59/20 west of Birmingham to I-59 on the east of Birmingham.	No change in the total cost this year.	Alabama DOT.	Federal and State funds.
CBD I-59/I-20 Bridge Replacement	Birmingham, AL.	\$1,120 Baseline was \$810 from 2016 IFP.	Under construction. Current completion date is 9/2020. Baseline completion date is 3/2020.	The project replaces the existing I-59/I-20 viaduct bridge through the Birmingham Central Business District (CBD) as well as rehabilitating pavement.	The cost increased by \$308 million due to Phase 3 award.	Alabama DOT.	Federal and State.
Loop 202 South Mountain Freeway	Maricopa County, AZ.	\$1,660 Baseline is \$1,660 from the 2016 IFP.	Under construction. Current completion date is 5/2020. Baseline completion date is 4/2020.	Construction of 22 miles to complete the Loop 202 and 101 Freeway systems in the southwestern quadrant of the Phoenix metro area.	No change in the total cost this year.	Arizona DOT and Maricopa Association of Governments (MAG).	Federal, State and Local funds.
Bay Area Rapid Transit (BART) Seismic Retrofit System Wide	San Francisco, CA.	\$1,330 Baseline is \$1,310 from the 2008 IFP.	Under construction. Current completion date is 2/2023. Baseline completion date is 6/2013.	Retrofitting and strengthening of the San Francisco BART District system.	The cost increased by \$54 million for the TransBay Tube retrofits.	BART.	Federal, State and Local funds.

* Cost Trend provides the change amount and reason for change from the Financial Plan Update received in FY 2018.

Data as of October 1, 2018

Project Name	Project Location	Total Cost (Millions)	Status	Project Description	Cost Trend* in Fiscal Year 2018	Project Sponsor	Funding Sources
Centennial Corridor Project	Kern County, CA.	\$630 Baseline was \$620 in the 2017 IFP.	Under construction. Current Completion Date is 3/2022. Baseline completion date is 3/2022.	Construction of an extension of SR 58 from SR 99 to Westside Parkway.	The cost increased by \$4 million due to higher contract bids.	Caltrans and the City of Bakersfield.	Federal, State and Local funds.
Presidio Parkway Project	San Francisco, CA.	\$990 Baseline is \$930 from 2009 IFP.	Project opened to traffic 7/2015. Current completion date is 6/2018. Baseline completion date is 6/2013.	Reconstruction and widening of existing Doyle Drive on new alignment with two tunnels and several bridges.	The cost increased from \$0.5 million due to change orders.	Caltrans.	Federal, State and local funds.
Gerald Desmond Bridge Replacement	Long Beach, CA.	\$1,470 Baseline is \$960 from the 2012 IFP.	Under construction. Current completion date is 8/2020. Baseline completion date is 2/2018.	Replacement of existing bridge structure in the Port of Long Beach.	No change in the total cost this year.	Port of Long Beach.	Federal, State and local funds. (\$325 million TIFIA loan)
I-10 Corridor project	San Bernardino County, CA.	\$2,100 Baseline is \$2,100 from the 2018 IFP.	Under construction. Current and baseline completion date is 11/2024.	Widening of 25 to 35 miles on I-10 from 8 to 10 lanes to provide 1 HOV or 2 HOT lanes and auxiliary lanes.	The cost is \$2,100 million from the 2018 IFP.	San Bernardino County Transportation Authority.	Federal and local funding. (\$212 million TIFIA loan)

* Cost Trend provides the change amount and reason for change from the Financial Plan Update received in FY 2018.

Data as of October 1, 2018

Project Name	Project Location	Total Cost (Millions)	Status	Project Description	Cost Trend* in Fiscal Year 2018	Project Sponsor	Funding Sources
I-405 Sepulveda Pass Widening and High Occupancy Vehicle Improvements	Los Angeles, CA.	\$1,231 Baseline is \$950 from the 2009 IFP.	Under construction. Current completion date is 12/2018. Baseline completion date is 4/2013.	Addition of one HOV lane in the northbound direction and interchange improvements.	No change in the total cost this year.	California DOT (Caltrans) and Los Angeles County Metropolitan Transportation Authority (LA Metro).	Federal, State and local funds.
I-405, SR-73 to I-605	Orange County, CA.	\$1,900 Baseline is \$1,900 from the 2016 IFP.	Under construction. Current completion date is 9/2023. Baseline completion date is 8/2023.	Adding 1 HOV lane and 1 General Purpose (GP) lane in each direction between Orange County and Los Angeles County, approximately 14 miles. Converting both HOV lanes into HOT lanes.	No change in the total cost this year.	Orange County Transportation Authority (OCTA), Caltrans.	Federal, State and local funds.
I-5 HOV North (SR-134 to SR-118)	Los Angeles County, CA.	\$900 Baseline is \$970 from the 2008 IFP.	Under construction. Current completion date is 9/2021. Baseline completion date is 12/2013.	Addition of one HOV lane from SR-134 to SR-118.	The cost increased by \$10 million due to claims.	Caltrans and LA Metro.	Federal, State and local funds.

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Data as of October 1, 2018

Project Name	Project Location	Total Cost (Millions)	Status	Project Description	Cost Trend* in Fiscal Year 2018	Project Sponsor	Funding Sources
I-5 North Coast Corridor (NCC) Project, San Diego County	San Diego County, CA.	\$863 Baseline is \$857 in 2016 IFP.	Under construction. Current Completion date is 8/2022. Baseline completion date is 8/2021.	Addition of HOV and general-purpose lanes in the Cities of from Solana Beach, Encinitas, Carlsbad and Oceanside. Work extends from Lomas Santa Fe Drive to SR-78. Includes double tracking existing rail line.	The cost increased by \$6.5 million for design work.	Caltrans and San Diego Association of Governments.	Federal, State and Local funds.
I-5 South County Improvement Project (SR73-El Toro Rd)	Orange County, CA.	\$620 Baseline is \$620 from the 2018 IFP.	Current and baseline completion date is 05/2026.	The 6.5-mile Project will add a general-purpose lane in each direction on I-5 between Avery Parkway and Alicia Parkway and extend the 2nd HOV lane from Alicia Parkway to El Toro Road.	The cost is \$620 million from the 2018 IFP.	Caltrans and Local Cities.	Federal, State and Local funds.
I-5 South Los Angeles County Widening Project	Los Angeles County, CA.	\$1,470 Baseline is \$1,580 from the 2014 IFP.	Under construction. Current completion date is 10/2022. Baseline completion date is 1/2019.	Addition of one HOV lane and modification of interchanges from Artesia Avenue to Florence Avenue.	No change in the total cost this year.	Caltrans, LA Metro, I-5 Joint Powers and Orange County.	Federal, State and local funds.

* Cost Trend provides the change amount and reason for change from the Financial Plan Update received in FY 2018.

Appendix A
Active Major Projects

Data as of October 1, 2018

Project Name	Project Location	Total Cost (Millions)	Status	Project Description	Cost Trend* in Fiscal Year 2018	Project Sponsor	Funding Sources
I-80/I-680/SR-12 Interchange Project	Solano County, CA.	\$740 Baseline is \$690 in 2013 IFP.	Under construction. Current completion date is 12/2023. Baseline completion date is 12/2018.	Reconstruction of a 6-mile segment of I-80 between Red Top Road and Abernathy Road, a 3-mile segment between Gold Hill road and I-80, and a 1-mile segment of SR 12 West between Red Top Road and I-80.	The cost increased \$7.1 million due schedule delay since the 2017 FPAU.	Solano Transportation Authority.	Federal, State and local funds.
I-80/San Francisco-Oakland Bay Bridge (East Span)	San Francisco/Oakland, CA.	\$6,540 Baseline is \$2,600 in 2001 IFP.	Under construction. Current completion date is 12/2018. Baseline completion date is 1/2010.	Seismic retrofit of the replacement of the San Francisco-Oakland Bay Bridge East Span.	The cost reduced by \$105 million due to shoreline piers remaining in place.	Caltrans.	Federal, State and local funds.
Marin-Sonoma Narrows	Marin and Sonoma County, CA.	\$700 Baseline is \$670 from the 2012 IFP.	Under construction. Current completion date is 1/2027. Baseline completion date is 7/2021.	Widening and realignment of Highway 101 (Marin-Sonoma Narrows) to add one HOV lane and replacing bridges.	The cost reduced by \$8 million due to one-year reduction in escalation.	Caltrans.	Federal, State and local funds.
SR-11 and Otay Mesa 'East' Port of Entry	San Diego County, CA.	\$817 Baseline is \$817 from the 2018 IFP.	ROD issued 9/2012. Current and baseline completion date is 6/2022.	2.7 miles of new four-lane toll highway construction, from the future SR-905/SR-125 interchange east to the United States /Mexico Border in Otay Mesa.	The cost is \$817 million from the 2018 IFP.	Caltrans, San Bernardino Associated Governments (SANBAG).	Federal, State and Local funds.

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Data as of October 1, 2018

Project Name	Project Location	Total Cost (Millions)	Status	Project Description	Cost Trend* in Fiscal Year 2018	Project Sponsor	Funding Sources
SR-905, from I-805 to Otay Mesa Port of Entry (POE)	San Diego County, CA.	\$540 Baseline is \$620 from the 2008 IFP.	Under construction. Current completion date is 6/2023. Baseline completion date is 7/2012.	Construction of the connection between I-805 and Otay Mesa POE.	The cost increased by \$9.2 million due to escalation of Phase 3 cost.	San Diego Association of Governments (SANDAG).	Federal, State and local funds.
Central 70 (formerly I-70 East)	Denver, CO.	\$1,240 Baseline is \$1,240 from the 2018 IFP.	ROD issued 1/2017. Current and Baseline completion date is 3/2023.	Improve capacity and safety to 12 miles of I-70 from I-25 to Tower Road (Denver International Airport).	The cost is \$1,240 million from the 2018 IFP.	Colorado DOT.	Federal and State funds. (\$416 million TIFIA loan)
North I-25	Denver to Fort Collins, CO.	\$9,150 Baseline is \$8,620 from the 2016 IFP.	Under construction. Current completion date is 6/2060. Baseline completion date is 6/2060.	Reconstruction and widening of I-25 between Colorado 14 and Colorado 392 including tolled express lanes and several interchanges. Project also includes express/commuter bus service.	The cost increased by \$873 million due to right-of-way and increased unit prices.	Colorado DOT.	Federal, State and local funds.
US 301 Project DE/MD Line to SR-1	Middletown, DE.	\$770 Baseline is \$770 from the 2015 IFP.	Under construction. Current completion date is 7/2029. Baseline completion date is 7/2029.	Realignment of 12.5 miles of US-301 and construction of a new spur road to Summit Bridge.	No change in the total cost this year.	Delaware DOT.	Federal and State funds.

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Data as of October 1, 2018

Project Name	Project Location	Total Cost (Millions)	Status	Project Description	Cost Trend* in Fiscal Year 2018	Project Sponsor	Funding Sources
South Capitol Street Corridor Project	Washington, DC.	\$870 Baseline is \$860 from the 2016 IFP.	ROD issued 8/2015. Current Completion Date is 12/2024. Baseline completion date is 3/2024.	Reconstruction of South Capitol Street Corridor and the Frederick Douglas Memorial Bridge.	The cost increased \$6 million due to Phase 1 procurement.	District of Columbia DOT.	Federal and local funds.
First Coast Expressway – St Johns River Crossing	St Johns and Clay Counties, FL.	\$1,660 Baseline is \$1,660 from the 2018 IFP.	Current and baseline completion date is 1/2028.	Phase 1 is two segments in Clay County from SR-16 to SR-21. The final two segments from I-95 in St. Johns County to SR-16 in Clay County, including the bridge crossing over the St. Johns River, is currently funded for construction in FY 2023.	The cost is \$1,660 million from the 2018 IFP.	Florida DOT.	Federal, State and tolling.
I-395 Reconstruction	Miami, FL.	\$880 Baseline is \$850 from 2016 IFP.	Under construction. Current completion date is 7/2022. Baseline completion date is 4/2022.	Reconstruction of the existing I-395 corridor from I-95/Midtown Interchange to the West Channel Bridges of US 41/MacArthur Causeway.	The cost reduced by \$6 million due to bid protest reducing consultant involvement.	Florida DOT.	Federal and State funds.
I-4 Ultimate w/Managed (Tolled) Lanes (Moving-4 Ward)	Orlando, FL. (Orange and Seminole Counties)	\$3,550 Baseline is \$2,750 from the 2013 IFP.	Under construction. Current completion date is 12/2021. Baseline completion date is 3/2021.	Reconstruction of 18 miles of I-4 in Orange and Seminole Counties.	The cost increased by \$6 million due to additional CEI costs.	Florida DOT, and the Orlando-Orange County Expressway Authority.	Federal and State funds. (\$990 million TIFIA loan)

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Data as of October 1, 2018

Project Name	Project Location	Total Cost (Millions)	Status	Project Description	Cost Trend* in Fiscal Year 2018	Project Sponsor	Funding Sources
I-75/SR 826 Managed Lanes	Broward and Miami Dade Counties, FL.	\$1,020 Baseline is \$850 from the 2013 IFP.	Under construction. Current completion date is 11/2027. Baseline completion date is 1/2018.	Widening, addition of two managed lanes in median of I-75 from SR 826 to I-595.	The cost increased by \$16 million for additional transit service.	Florida DOT.	Federal and State funds.
I-95 Express (Phase 3)	Broward and Palm Beach Counties, FL.	\$1,200 Baseline is \$1,200 from the 2015 IFP.	Under construction. Current completion date is 1/2024. Baseline completion date is 1/2024.	Widening, addition of two express lanes in each direction of I-95 in Broward and Palm Beach Counties, FL.	The cost reduced by \$8 million due to lower costs for ROW, utilities and CEI.	Florida DOT.	Federal and State funds.
Pinellas County Gateway Expressway Project.	Pinellas County, FL.	\$790 Baseline is \$670 from the 2016 IFP.	Under construction. Current Completion Date is 9/2021. Baseline completion date is 12/2021.	The project will construct a new four-lane elevated statically tolled expressway connection from US-19 to west of I-275 and from the Bayside Bridge to west of I-275. I-275 gets a tolled express lane in each direction from south of Gandy Boulevard to north of 4th Street North.	The cost increased by \$122 million due escalation of unit prices.	Florida DOT.	Federal and State funds.

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Data as of October 1, 2018

Project Name	Project Location	Total Cost (Millions)	Status	Project Description	Cost Trend* in Fiscal Year 2018	Project Sponsor	Funding Sources
SR 429 – Wekiva Parkway	Orange, Lake and Seminole Counties, FL.	\$1,830 Baseline is \$1,860 from the 2015 IFP.	Under construction. Current completion date is 11/2022. Baseline completion date is 9/2021.	Constructs northwest quadrant of beltway around Orlando. This will be a 4 to 6 lane divided limited access highway.	The cost increased by \$10 million due to extra work on Segments 7A and 8.	Florida DOT, and Central Florida Expressway Authority (CFX).	Federal and State funds.
I-285/GA-400 Interchange Project	Fulton County, GA.	\$760 Baseline is \$760 from the 2016 IFP.	Under construction. Current completion date is 4/2020. Baseline completion date is 10/2020.	The I-285/SR-400 Reconstruction Project is 4.3 miles in length. It rebuilds the interchange and makes improvements along I-285 from west of Roswell Road in Sandy Springs to east of Ashford-Dunwoody Road in DeKalb County.	No change in the total cost this year.	Georgia DOT and State Road Tollway Authority.	Federal, State and Private funding.
Northwest Corridor Project (I-75/I-575)	Cherokee and Cobb Counties, GA.	\$850 Baseline is \$830 from the 2014 IFP.	Under construction. Current completion date is 11/2018. Baseline completion date is 11/2018.	Construct 29 miles of reversible managed lanes on I-75 and I-575.	The cost increased by \$18 million due to work at Akers Mill Road.	Georgia DOT and State Road and Tollway Authority.	Federal, State and Local funds. (\$275 M TIFIA loan)
Circle Interchange	Chicago, IL.	\$680 Baseline is \$540 from the 2013 IFP.	Under construction. Current completion date is 12/2021. Baseline completion date is 6/2018.	I-90/I-94 at I-290 Interchange reconstruction.	The cost increased by \$23 million due to across the board costs.	Illinois DOT.	Federal, State and local funds.

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Data as of October 1, 2018

Project Name	Project Location	Total Cost (Millions)	Status	Project Description	Cost Trend* in Fiscal Year 2018	Project Sponsor	Funding Sources
Elgin-O'Hare Western Access	Chicago, IL.	\$3,630 Baseline is \$3,380 from the 2014 IFP.	Under construction. Current completion date is 12/2025. Baseline completion date is 1/2025.	Converting existing controlled access to a tolled facility from US-20 to I-290 and constructing a new full access controlled tolled facility from I-90 to I-294.	The cost increased by \$139 million due to expanding the design of the Western Access Interchange.	Illinois State Toll Highway Authority and Illinois DOT.	Federal, State and local funds.
O'Hare Con-RAC	Chicago, IL.	\$790 Baseline is \$820 from the 2013 IFP.	Under construction. Current completion date is 12/2018. Baseline completion date is 12/2016.	Construction of a parking structure, rental car service center and automated transit facilities in the Chicago O'Hare Airport.	The cost increased by \$1 million due to change orders.	Chicago Department of Aviation.	Federal and local funds. (\$288 million TIFIA loan)
I-69 Segment 6, Martinsville to Indianapolis	Morgan, Johnson and Marion Counties, IN.	\$1,630 Baseline is \$1,630 from the 2018 IFP.	Current and baseline completion date is 6/2027.	Upgrade SR-37 to interstate standards from Martinsville to Indianapolis, IN.	The cost is \$1,630 million from the 2018 IFP.	Indiana DOT	Federal and State funds.
Council Bluffs Interstate System Improvements, Segments 1, 2, and 3	Council Bluffs, IA.	\$1,360 Baseline is \$760 from the 2007 IFP.	Under construction. Current completion date is 5/2024. Baseline completion date is 6/2018.	Reconstruction of 18 miles of Interstates 29, 80 and 480, including 16 interchanges.	The cost increased by \$0.4 million due to change orders.	Iowa DOT (lead) and Nebraska Department of Roads.	Federal and State funds.

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Data as of October 1, 2018

Project Name	Project Location	Total Cost (Millions)	Status	Project Description	Cost Trend* in Fiscal Year 2018	Project Sponsor	Funding Sources
I-74 Quad Cities Corridor	Davenport and Bettendorf, IA; and Moline, IL.	\$1,130 Baseline is \$1,160 from the 2014 IFP.	Under construction. Current completion date is 6/2026. Baseline completion date is 6/2023.	Reconstruction of the I-74 corridor from the Avenue of the Cities Interchange in Moline, IL to 1 mile north of the 53rd Street Interchange in Davenport, IA.	The cost reduced by \$8 million due to favorable construction bids.	Iowa DOT (lead) and Illinois DOT.	Federal, State and Local funds.
US 68/KY 80, Land Between the Lakes, West of Cadiz, KY	Trigg and Marshall Counties, KY.	\$550 Baseline is \$580 from the 2012 IFP.	Under construction. Current completion date is 11/2019. Baseline completion date is 4/2017.	Reconstruction of US-68/KY-80 from Cadiz to Aurora, including two new bridges over Kentucky Lake and Lake Barkley.	The cost reduced by \$11 million due to favorable bids on the Kentucky Lake Bridge.	Kentucky Transportation Cabinet.	Federal and State funds.
I-81 Improvement Project	Washington County, MD.	\$800 Baseline is \$810 from the 2016 IFP.	Under construction. Current completion date is 6/2034. Baseline completion date is 6/2034.	Improve traffic operations and safety along I-81 from the West Virginia State Line to the Pennsylvania State Line.	No change in the total cost this year.	Maryland State Highway Administration.	Federal and State funds.
I-75	Oakland County, MI.	\$1,390 Baseline is \$1,330 from the 2016 IFP.	Under construction. Current completion date is 11/2033. Baseline completion date is 11/2032.	Addition of capacity to I-75 in the north Detroit metro area.	The cost increased by \$58 million due to drainage changes from recent flooding.	Michigan DOT.	Federal, State and Local funds.

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Appendix A
Active Major Projects

Data as of October 1, 2018

Project Name	Project Location	Total Cost (Millions)	Status	Project Description	Cost Trend* in Fiscal Year 2018	Project Sponsor	Funding Sources
I-94/Edsel Ford Freeway	Detroit, MI.	\$2,950 Baseline is \$2,910 from the 2014 IFP.	Under construction. Current completion date is 9/2037. Baseline completion date is 12/2036.	Reconstruction of 6.7 miles of I-94 from I-96 to Conner Avenue.	The cost reduced by \$8 million due to bridges being moved ahead in the schedule.	Michigan DOT.	Federal, State and Local funds.
St. Croix River Crossing	Stillwater, MN and St. Joseph Township, WI.	\$650 Baseline is \$680 from the 2012 IFP.	Under construction. Current completion date is 9/2019. Baseline completion date is 11/2016.	Construction of a new river crossing on Trunk Highway 36 over the St. Croix River.	No change in the total cost this year.	Minnesota DOT (lead) and Wisconsin DOT.	Federal and State funding.
I-269 Corridor	DeSoto and Marshall Counties, MS.	\$610 Baseline is \$670 from the 2011 IFP.	Under construction. Current completion date is 10/2018. Baseline completion date is 6/2018.	Construction of 26 miles of a new four-lane facility.	The cost increased by \$2 million due to change orders.	Mississippi DOT.	Federal and State funds.
I-15 South	Las Vegas, NV.	\$1,240 Baseline is \$1,420 from the 2009 IFP.	Under construction. Current completion date is 12/2049. Baseline completion date is 6/2030.	Widening of 11.5 miles of US 95, including one general purpose lane and one HOV lane between Washington Avenue and Kyle Canyon Road.	No change in total cost this year.	Nevada DOT; Clark County; city of Henderson.	Federal, State and local funds.

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Data as of October 1, 2018

Project Name	Project Location	Total Cost (Millions)	Status	Project Description	Cost Trend* in Fiscal Year 2018	Project Sponsor	Funding Sources
I-15/Project NEON	Las Vegas, NV.	\$0.96 Baseline is \$0.95 from the 2016 IFP.	Under construction. Current completion date is 9/2020. Baseline completion date is 9/2020.	Widening of I-15 from 6 to 14 lanes.	The cost reduced by \$9 million due to lower ROW costs.	Nevada DOT, Regional Transportation Commission of Southern Nevada.	Federal and State funds.
US 95 Northwest Corridor	Las Vegas, NV.	\$500 Baseline is \$710 from the 2009 IFP.	Under construction. Current completion date is 12/2022. Baseline completion date is 9/2028.	Widening of US-95 between Washington Avenue and Kyle Canyon Road. Completion of the interchange at Northern Beltway and adding an interchange at Horse Drive.	The cost reduced by \$51 million due to advancing the start of phases 3D and 3E.	Nevada DOT, Clark County Public Works, City of Las Vegas and Regional Transportation Commission of Southern Nevada.	Federal, State, local and private funds.
I-93 Reconstruction	Salem to Manchester, NH.	\$770 Baseline is \$780 in from the 2007 IFP.	Under construction. Current completion date is 9/2020. Baseline completion date is 9/2017.	Construction of safety and transportation improvements along a 19-mile segment of I-93 between Salem and Manchester, NH.	The cost reduced by \$17 million due to a lower than planned inflation rate.	New Hampshire DOT.	Federal and State funds. (\$200 million TIFIA loan)
I-295/SR-42/I-76 Interchange Direct Connection	Camden County, NJ.	\$930 Baseline is \$870 from the 2012 IFP.	Under construction. Current completion date is 6/2024. Baseline completion date is 11/2021.	Construction of a direct connection for I-295 traffic through the interchange with I-76 and Route 42.	The cost increased by \$2 million due to minor schedule overruns.	New Jersey DOT.	Federal and State funds.

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Data as of October 1, 2018

Project Name	Project Location	Total Cost (Millions)	Status	Project Description	Cost Trend* in Fiscal Year 2018	Project Sponsor	Funding Sources
Goethals Bridge Replacement	Elizabeth City, NJ to Staten Island, NY.	\$1,340 Baseline is \$1,200 from the 2015 IFP.	Under construction. Current completion date is 12/2018. Baseline completion date is 10/2018.	Replacement of the Goethals Bridge over the Arthur Kill Channel between Elizabeth City, NJ and Staten Island, NY.	The cost increased by \$105 million due to inclusion of prior costs.	Port Authority of New York and New Jersey.	State and private funds. (\$474 million TIFIA loan)
Kozciusko Bridge Replacement, I-278 over Newtown Creek	Brooklyn/ Queens, NY.	\$1,080 Baseline is \$970 from the 2012 IFP.	Under construction. Current completion date is 6/2019. Baseline completion date is 6/2020.	Reconstruction of bridge to improve Interstate operations, eliminate substandard features and improve safety.	The cost increased by \$56 million due to revisions to the design of Phase 2.	New York State DOT.	Federal and State funds.
Route 347 Safety & Mobility Improvements	Smithtown, Islip and Brookhaven, NY.	\$950 Baseline is \$1,010 from the 2013 IFP.	Under construction. Current completion date is 11/2033. Baseline completion date is 11/2033.	Improve safety and mobility for 15 miles between the Northern State Parkway and NY Rt. 25A.	The cost reduced by \$9 million due to refinement of estimate.	New York State DOT.	Federal and State funds.
Tappan Zee Hudson River Crossing	South Nyack, Rockland, Tarrytown and Westchester Counties, NY.	\$4,130 Baseline is \$4,020 from the 2015 IFP.	Under construction. Current completion date is 7/2019. Baseline completion date is 7/2018.	Bridge Replacement for existing Tappan Zee Toll Bridge carrying Interstates 87 and 287 over the Hudson River.	No change in the total cost this year.	New York State Thruway Authority.	Federal, State and local funds. (\$1.6 billion TIFIA loan)

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Data as of October 1, 2018

Project Name	Project Location	Total Cost (Millions)	Status	Project Description	Cost Trend* in Fiscal Year 2018	Project Sponsor	Funding Sources
I-77 Express Lanes from Exit I-277 to NC-150	Mecklenburg and Iredell Counties, NC.	\$640 Baseline is \$620 from the 2015 IFP.	Under construction. Current completion date is 5/2019. Baseline completion date is 5/2019.	Improvements of 26 miles of I-77 from I-277 to NC 150 with the inclusion of High Occupancy Toll (HOT) managed lanes.	The cost increased by \$16 million due the addition of roundabouts.	North Carolina DOT.	Federal, State and private funds. (\$189 million TIFIA loan)
Monroe Expressway	Mecklenburg and Union Counties, NC.	\$730 Baseline is \$720 from the 2011 IFP.	Under construction. Current completion date is 5/2019. Baseline completion date is 7/2016.	Construction of 19.7 miles of high-speed controlled access new alignment.	No change in the total cost this year.	North Carolina DOT.	Federal and State funds.
Cleveland Innerbelt	Cleveland, OH.	\$2,440 Baseline is \$3,230 from the 2010 IFP.	Under construction. Current completion date is 10/2035. Baseline completion date is 11/2033.	Major reconstruction and reconfiguration of Interstates 71, 77, 90 and connecting radial freeways known as the Cleveland Innerbelt.	The cost increased by \$80 million due to uncertain funding.	Ohio DOT.	Federal and State funds.
I-70/71 Columbus Crossroads - Phases 1-6	Columbus, OH.	\$1,620 Baseline is \$1,080 from the 2011 IFP.	Under construction. Current completion date is 7/2031. Baseline completion date is 10/2018.	Reconstruction, widening and modernization of I-70/I-71.	The cost increased by \$12 million due to higher costs for Phase 2G.	Ohio DOT.	Federal and State funds.

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Data as of October 1, 2018

Project Name	Project Location	Total Cost (Millions)	Status	Project Description	Cost Trend* in Fiscal Year 2018	Project Sponsor	Funding Sources
I-75 (HAM-75-2.30), city of Cincinnati (Mill Creek Expressway)	Cincinnati, OH.	\$640 Baseline is \$800 from the 2009 IFP.	Under construction. Current completion date is 4/2025. Baseline completion date is 5/2020.	Reconstruction, widening and modernization of 7.80 miles of I-75 (eight construction contracts).	The cost reduced by \$19 million due to using Design /Build procurement.	Ohio DOT.	Federal and State funds.
Portsmouth Bypass	Portsmouth, OH.	\$590 Baseline is \$580 from the 2012 IFP.	Under construction. Current completion date is 4/2019. Baseline completion date is 5/2024.	Construction of a new four-lane limited access bypass of Portsmouth.	The cost increased by \$1 million due to change orders.	Ohio DOT.	Federal, State and private funds. (\$212 million TIFIA loan)
I-40 Crosstown	Oklahoma City, OK.	\$720 Baseline is \$580 from the 2007 IFP.	Under construction. Current completion date is 2/2019. Baseline completion date is 9/2015.	Realignment of 4.5 miles of I-40 from just east of I-44 to I-35/I-235 and reconstruction of existing I-40 to a boulevard access to downtown Oklahoma City.	The cost increased by \$4 million due to added work in 5.1C and 5.1D.	Oklahoma DOT and Oklahoma City.	Federal and State Funds.
Central Susquehanna Valley Transportation (CSV T).	Snyder, Union and Northumberland Counties, PA.	\$680 Baseline is \$670 from the 2015 IFP.	Under construction. Current completion date is 9/2024. Baseline completion date is 12/2021.	Construction of 12 miles of new limited access highway.	The cost increased by \$13 million due to increased pavement structure.	Pennsylvania DOT.	Federal and State Funds.

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Data as of October 1, 2018

Project Name	Project Location	Total Cost (Millions)	Status	Project Description	Cost Trend* in Fiscal Year 2018	Project Sponsor	Funding Sources
Commonwealth of PA Rapid Bridge Replacement Project.	Statewide, PA.	\$1,130 Baseline is \$1,080 from the 2015 IFP.	Under construction. Current completion date is 12/2018. Baseline completion date is 12/2018.	Replacement of 558 Bridges across the State of Pennsylvania.	The cost increased by \$55 million due mostly to settlement costs.	Pennsylvania DOT.	Federal and State funds.
I-95 Betsy Ross Interchange and Bridge Street Ramps Reconstruction.	Philadelphia, PA.	\$1,640 Baseline is \$1,410 from the 2014 IFP.	Under construction. Current completion date is 10/2030. Baseline completion date is 9/2026.	Reconstruction of the I-95/Betsy Ross Bridge Interchange and Bridge Street Ramps.	No change in the total cost this year.	Pennsylvania DOT.	Federal and State Funds.
I-26 Widening from MM 85 to MM 101.	Newberry, Lexington and Richland Counties, SC.	\$500 Baseline is \$500 from the 2018 IFP.	FONSI issued 8/2018. Current and baseline completion date is 9/2023.	Widening of I-26 from MM 85 to MM 97 to 6 lanes and from MM 97 to MM 101 to 8 lanes Project includes interchange improvements and overpass bridge replacements.	The cost is \$500 million from the 2018 IFP.	SCDOT.	Federal and State funds.
Bergstrom Expressway – US-183 From US-290 to SH-71.	Austin, TX.	\$740 Baseline is \$740 from the 2015 IFP.	Under construction. Current completion date is 3/2020. Baseline completion date is 11/2020.	Reconstruction of non-tolled and addition of managed (tolled) lanes on US-183 between US-290 and SH-71.	No change in the total cost this year.	Texas DOT and Central Texas Regional Mobility Authority.	Federal and State funds. (\$282 million TIFIA loan)

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Data as of October 1, 2018

Project Name	Project Location	Total Cost (Millions)	Status	Project Description	Cost Trend* in Fiscal Year 2018	Project Sponsor	Funding Sources
DFW Connector.	Grapevine, TX.	\$1,300 Baseline is \$1,070 from the 2011 IFP.	Under construction. Current completion date is 5/2019. Baseline completion date is 5/2014.	Reconstruction of SH-121 and SH-114, including additional toll managed lanes on SH-114.	The cost reduced by \$3 million due to change orders.	Texas DOT.	Federal, State and private funds.
I-35E Managed Lanes (Dallas and Denton).	Dallas and Denton, TX.	\$7,290 Baseline is \$7,110 from the 2013 IFP.	Under construction. Current completion date is 12/2035. Baseline completion date is 12/2034.	Reconstruction and expansion of general purpose lanes and frontage roads of I-35E from I-635 to US-380. Includes construction of tolled managed lanes.	The cost increased by \$11 million due to change orders for Phase 1.	Texas DOT.	Federal, State and local funds. (\$286 million TIFIA loan)
I-35 Waco Section 4	McLennan County, TX.	\$790 Baseline is \$790 from the 2018 IFP.	EIS approved 7/2012. Baseline completion date is 5/2028.	Improvements to I-35 between Loop 340 South and Loop 340 North in Waco, McLennan County Texas.	The cost is \$790 million from the 2018 IFP.	Texas DOT.	Federal, State and local funds.
Loop 12/Interstate Highway 35E Corridor.	Dallas, TX.	\$790 Baseline is \$1,250 from the 2009 IFP.	Phase 1 construction complete. Current completion date is 12/2022. Baseline completion date is 12/2029.	Reconstruction and widening of Loop 12 and I-35E. Project includes free mainline lanes, reversible managed lanes and frontage roads.	Project was inactive this year awaiting Phase 2 procurement.	Texas DOT.	Federal and State funds.

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Data as of October 1, 2018

Project Name	Project Location	Total Cost (Millions)	Status	Project Description	Cost Trend* in Fiscal Year 2018	Project Sponsor	Funding Sources
Midtown Express SH-183 Managed Lanes Project.	Dallas, TX.	\$5,290 Baseline is \$5,290 from the 2014 IFP.	Under construction. Current completion date is 12/2040. Baseline completion date is 12/2035.	Improvements of 27.8 miles of managed lanes, general purpose lanes and construction of intersection and interchange connectivity.	No change in the total cost this year.	Texas DOT and the North Texas Tollway Authority.	Federal, State and local funds.
North Tarrant Express 3A, 3B & 3C.	Fort Worth, TX.	\$3,460 Baseline is \$4,200 from the 2014 IFP.	Under construction. Current completion date is 12/2040. Baseline completion date is 12/2029.	Reconstruction and addition of tolled managed lanes.	The cost reduced by \$754 million due to segment 3C being moved forward.	Texas DOT.	Federal, State and Local funds. (\$531 million TIFIA loan)
Project Horseshoe I-30/I-35E.	Dallas, TX.	\$820 Baseline is \$840 from the 2013 IFP.	Construction complete. Claim in process due to a cracked pedestrian bridge. Baseline completion date is 3/2017.	Reconstruction of the I-30/I-35E Interchange over the Trinity River Floodway.	The cost reduced by \$12 million due to refinement of actual costs.	Texas DOT and city of Dallas.	Federal, State and local funds.
SH-288.	Brazoria and Harris Counties, TX.	\$1,040 Baseline is \$1,404 from the 2017 IFP.	Under construction. Current and Baseline completion date is 11/2019.	Construction of 37 miles of toll and general-purpose lanes between US-59 N and I-10E.	The cost is \$1,040 million from the 2017 IFP.	Texas DOT.	Federal and local funding. (\$357 million TIFIA loan)

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Data as of October 1, 2018

Project Name	Project Location	Total Cost (Millions)	Status	Project Description	Cost Trend* in Fiscal Year 2018	Project Sponsor	Funding Sources
SH-99, Grand Parkway (Segment H and I-1).	Montgomery, Harris, Liberty and Chambers Counties, TX.	\$1,580 Baseline is \$1,580 from the 2018 IFP.	ROD issued 6/2014. Current and baseline completion date is 2/2022.	Construction of a new 37-mile four lane toll road from US-59 to I-10E. This segment is one of 10 segments that make up the 188 miles of SH-99 Grand Parkway project that encircles the Greater Houston region.	The cost is \$1,580 million from the 2018 IFP.	Texas DOT.	State and bonding. TIFIA loan applied for.
SH-249 Extension	Houston, TX.	\$791 Baseline is \$791 from the 2017 IFP.	ROD issued 1/2016. Current and baseline completion date is 2/2022.	SH-249, the Tomball Parkway, connects the City of Tomball and western Montgomery County to Beltway 8.	The cost is \$791 million from the 2017 IFP.	Texas DOT.	State, Federal, Local and bond proceeds.
Southern Gateway Managed Lanes Project.	Dallas County, TX.	\$693 Baseline is \$693 from the 2017 IFP.	Under construction. Current and Baseline completion date is 11/2021.	Reconstruction and widening of approximately 19 miles along the I-35E/US-67 corridor in southern Dallas county.	The cost is \$693 million from the 2017 IFP.	Texas DOT.	Federal and State funding.
US-181 Harbor Bridge Project.	Corpus Christi, TX.	\$1,070 Baseline is \$1,060 from the 2016 IFP.	Under construction. Current completion date is 10/2021. Baseline completion date is 11/2020.	Improvements to US-181 including the replacement of the existing Harbor Bridge in the city of Corpus Christi.	The cost increased by \$1.5 million due to change orders.	Texas DOT.	Federal, State and local funds.
US-281 HOV expansion project.	San Antonio, TX.	\$550 Baseline is \$700 from the 2016 IFP.	Under construction. Current completion date is 8/2022. Baseline completion date is 9/2022.	Construction of 8 miles of non-toll general purpose lanes, HOV/transit lanes and frontage roads on US-281 from Loop 1604 to Borgfeld Drive.	The cost reduced by \$150 million due to lower bids for Phase 1.	Texas DOT.	Federal and State funding.

* Cost Trend provides the change amount and reason for change from the Financial Plan Update received in FY 2018.

Data as of October 1, 2018

Project Name	Project Location	Total Cost (Millions)	Status	Project Description	Cost Trend* in Fiscal Year 2018	Project Sponsor	Funding Sources
US-290.	Houston, TX.	\$2,470 Baseline is \$2,470 from the 2011 IFP.	Under construction. Current completion date is 3/2020. Baseline completion date is 8/2021	Improvements to 38 miles of the US-290 from I-610 to FM 2920.	No change in the total cost this year.	Texas DOT and Harris County Toll Authority.	Federal, State and local funds.
US-62/US-180 (Montana Ave) Project.	El Paso, TX.	\$682 Baseline cost is \$682 from the 2018 IFP.	Current and baseline completion date is 1/2028.	Reconstruction of 7.8 miles of US-62/US-180 (Montana Ave) from Global Reach Drive to FM-659.	The cost is \$682 million from the 2018 IFP.	Texas DOT.	Federal and State funds.
Transform I-66 Outside the Beltway	Fairfax and Prince William Counties, VA.	\$2,790 Baseline is \$2,790 from the 2018 IFP.	FONSI approved 6/2016. Current and baseline completion date is 12/2022.	Construction of additional HOV lanes and other features along a 22-mile section of I-66 from US-15 to I-495.	The cost is \$2,790 million from the 2018 IFP.	Virginia DOT and I-66 Mobility Partners, LLC.	Federal, State and bonding. (\$1.23 billion TIFIA loan)
I-64 Southside Widening and High Rise Bridge Project	Chesapeake, VA.	\$3,080 Baseline is \$3,080 from the 2017 IFP.	Under construction. Current and Baseline completion date is 7/2032.	Addition of express lanes on I-64 and construction of a new fixed span bridge parallel to the existing movable span bridge.	No change in the total cost this year.	Virginia DOT.	Federal and State funding.
Thimble Shoal Parallel Tunnel Project.	Virginia Beach, VA.	\$920 Baseline is \$920 from the 2017 IFP.	Under construction. Current completion date is 6/2023. Baseline completion date is 9/2022.	Construction of two-lane immersed tube or bored tunnel beneath Thimble Shoal Channel on an alignment parallel and to the west of existing CBBT Thimble Shoal Channel tunnel.	The cost is \$920 million from the 2017 IFP.	Chesapeake Bay Bridge and Tunnel District (CBBT).	Tolls and Private funding. (\$339 million TIFIA loan)

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Data as of October 1, 2018

Project Name	Project Location	Total Cost (Millions)	Status	Project Description	Cost Trend* in Fiscal Year 2018	Project Sponsor	Funding Sources
SR 520, I-5 to Medina: Bridge Replacement and HOV Project with Floating Bridge.	Seattle, WA.	\$3,110 Baseline is \$1,100 from the 2011 IFP.	Under construction. Current completion date is 12/2029. Baseline completion date is 7/2016.	Replacement of the existing SR 520 Evergreen Floating Bridge and east approach with 6-lane facility that includes 2 HOV lanes.	The cost reduced by \$60 million due to retired risks.	Washington State DOT.	Federal, State and tolls. (\$300 million TIFIA loan)
SR-520, Medina to SR-202: Eastside Transit and HOV Project.	Seattle, WA.	\$510 Baseline is \$530 from the 2011 IFP.	Project opened to traffic 9/2015. Baseline completion date is 12/2014.	Construction of SR-520 from Medina (East side of Lake Washington) to SR-202 to enhance travel time reliability, mobility, access, safety for transit, public, and HOV traffic.	No change in the total cost this year.	Washington State DOT.	Federal and State funds.
SR-99: Alaskan Way Viaduct Replacement Project.	Seattle, WA.	\$2,280 Baseline is \$2,160 from the 2011 IFP.	Under construction. Current completion date is 12/2021. Baseline completion date is 12/2018.	Replacement of SR-99 from South Royal Brougham Way to Roy Street with a tolled-single bore tunnel. The facility will have 2-lanes in each direction.	The cost increased by \$28 million due to updated estimate to complete the project.	Washington State DOT.	Federal, State and local funds.
WV Corridor H Section 2, Kerens to Parsons Project.	Randolph and Tucker Counties, WV.	\$820 Baseline is \$820 from the 2016 IFP.	Under construction. Current completion date is 10/2024. Baseline completion date is 12/2021.	The Kerens to Parsons Project involves the construction of 15.3 miles of new alignment four-lane divided highway with partial access control between the localities of Kerens and Parsons.	No change in the total cost this year	West Virginia Division of Highways.	Federal and State funding.

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Data as of October 1, 2018

Project Name	Project Location	Total Cost (Millions)	Status	Project Description	Cost Trend* in Fiscal Year 2018	Project Sponsor	Funding Sources
I-39/I-90 Expansion.	Rock and Dane Counties, WI.	\$1,200 Baseline is \$1,360 from the 2016 IFP.	Under construction. Current completion date is 5/2023. Baseline completion date is 5/2023.	Reconstruction of 45.5 miles of I-39/I-90 from the Illinois State line to US-12 in Madison.	The cost reduced by \$108 million by advancing the schedule.	Wisconsin DOT.	Federal, State and local funds.
I-94 North-South.	Milwaukee, Racine and Kenosha Counties, WI.	\$1,620 Baseline is \$1,910 from the 2009 IFP.	Under construction. Current completion date is 9/2021. Baseline completion date is 12/2016.	Reconstruction of 35 miles of I-94 including interchanges and capacity expansion from six to eight lanes.	The cost reduced by \$52 million due to project acceleration.	Wisconsin DOT.	Federal and State funds.
Zoo Interchange (I-94/I-894/US-45).	Milwaukee, WI.	\$1,550 Baseline is \$1,720 from the 2012 IFP.	Under construction. Current completion date is 9/2023. Baseline completion date is 10/2018.	Reconstruction of I-94/I-894/US-45 Interchange with safety and operational improvements.	The cost reduced by \$8 million due to lower than expected change orders on the Core II contract.	Wisconsin DOT.	Federal and State funds.

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Appendix B
Completed Major Projects

Project Name	Project Location	Project Description	Total Cost (millions)	Completion Date	Metrics	Project Sponsor	Funding Sources
SH-303: I-10 to US-60	Phoenix, AZ.	Construction of 21 miles of SH-303 with 10-lanes from I-10 in Goodyear to US-60 in Surprise, AZ.	\$896 Baseline is \$1,231 from the 2011 IFP.	Completed 4/2017. Baseline completion date is 10/2015. Construction start date was 3/2011.	Cost reduced by 27.2%. Schedule increased by 32.7%.	Arizona DOT.	Federal and State funds. \$546 Federal funds.
SR-4 (East) Widening Project.	Contra Costa County, CA.	Reconstruction of SR-4 from Loveridge Road to SR-160.	\$533 Baseline is \$600 from 2010 IFP.	Completed 7/2017. Baseline completion date is 7/2014. Construction start date was 10/2007.	Cost reduced by 11.2%. Schedule increased by 44.5%.	Caltrans and Contra Costa Transportation Authority.	Federal, State and local funds. \$68 Federal funds.
I-215 San Bernardino North Corridor	San Bernardino, CA.	Addition of one HOV lane and one general purpose lane in each direction on I-215 from I-10 to I-210.	\$584 Baseline is \$676 from the 2007 IFP.	Completed 5/2014. Baseline completion date is 6/2013. Construction start date was 6/2009.	Cost reduced by 13.6%. Schedule increased by 22.9%.	Caltrans and SANDAG.	Federal, State and local funds. \$319 Federal funds.
I-15 Managed Lanes from SR-163 to SR-78	San Diego, CA.	Construction of 20 miles of barrier separated managed lanes within the existing median from SR-163 to SR-78 in the San Diego area.	\$986 Baseline is \$1,096 from the 2012 IFP.	Completed 1/2013. Baseline completion date is 9/2012. Construction start date was 11/2003.	Cost reduced by 10.0%. Schedule increased by 3.8%	Caltrans and SANDAG.	Federal, State and local funds. \$310 Federal funds.
SR-52 Extension.	City of Santee in San Diego County, CA.	Construction of 4 miles of a four-lane freeway including interchanges.	\$521 Baseline is \$600 from the 2008 IFP.	Completed 3/2011. Baseline completion date is 12/2010. Construction start was 11/2006.	Cost reduced by 13.2%. Schedule increased by 6.0%.	SANDAG.	Federal, State and local funding. \$114 Federal funds.

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Completed Major Projects

Project Name	Project Location	Project Description	Total Cost (millions)	Completion Date	Metrics	Project Sponsor	Funding Sources
SR-91 Corridor Improvement	Los Angeles, Orange and Riverside Counties, CA.	Reconstruction of SR-91 from I-110 in Los Angeles County through Orange County and to the interchange with I-215 and SR-60 in Riverside County.	\$1,263 Baseline is \$1,114 from the 2013 IFP.	Completed 3/2018. Baseline completion date is 9/2017. Construction start was 5/2013.	Cost increased by 10.4%. Schedule increased by 11.4%.	Riverside County Transportation Commission.	Local and private funds. No Federal funds. (\$421 million TIFIA loan)
SR-210 (Foothill Freeway).	Los Angeles, CA.	Construction of 28.2 miles of eight-lane freeway, including two HOV lanes, from Foothill Boulevard in LA County to I-215 in San Bernardino County.	\$1,200 Baseline is \$1,200 from the 1997 estimate.	Completed 7/2008.	Cost on budget. Schedule metric unavailable.	Caltrans, SANBAG and Los Angeles Metro.	Federal, State and local funds. \$751 million Federal funds.
Alameda Corridor.	Los Angeles, CA.	20-mile express lane corridor linking Los Angeles and Long Beach ports with rail network in downtown Los Angeles.	\$2,400 Baseline is \$2,100 from the 1997 estimate.	Completed 4/2002. Baseline completion date is 3/2001. Construction start was 10/1998.	Cost increased by 14.3%. Schedule increased by 44.9%.	Caltrans and Alameda Corridor Transportation Authority.	Federal, State, local and private funds. \$99 million Federal funds. (\$400 million TIFIA loan)
I-25/I-225 Southeast Corridor (T-REX).	Denver, CO.	Reconstruction of 18 miles of I-25 and I-225. Construction of 19 miles of light-rail transit line with 13 new rail stations.	\$1,748 Baseline is \$1,667 from the 2001 estimate.	Completed 3/2006. Baseline completion date is 11/2007. Construction start was 6/2001.	Cost increased by 4.9%. Schedule reduced by 15.6%.	Colorado DOT, Denver Area Regional Transportation District and locals.	Federal, State and local funding. \$926 Federal funds.

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Completed Major Projects

Project Name	Project Location	Project Description	Total Cost (millions)	Completion Date	Metrics	Project Sponsor	Funding Sources
I-95/New Haven Harbor Crossing.	New Haven, CT.	Reconstruction of 7.2 miles of I-95, including a new 10-lane Pearl Harbor Memorial Bridge over New Haven Harbor, and Interchanges 46 through 54.	\$1,825 Baseline is \$834 from the 2000 IFP.	Completed 6/2017. Baseline completion date is 5/2012. Construction start was 10/2000.	Cost increased by 118.8%. Schedule increased by 43.9%.	Connecticut DOT.	Federal and State funds. \$1,550 million Federal funds.
SR-826/SR-836 Interchange Reconstruction (Palmetto 5).	Miami, FL.	The project includes the construction of a four-level interchange between SR-826 (Palmetto Expressway) and SR-836 (Dolphin Expressway) along with reconstruction on both routes.	\$833 Baseline is \$838 from the 2009 IFP.	Completed 8/2014. Baseline completion date is 5/2014. Construction start was 10/2009.	Cost reduced by 0.6%. Schedule increased by 5.5%.	Florida DOT and Miami-Dade Expressway Authority.	Federal, State and local funds. \$462 million Federal funds.
Miami Intermodal Center (MIC).	Miami, FL.	Construction of multimodal center for Miami International Airport including rental car garage, intermodal center, people mover and roadways.	\$1,985 Baseline is \$1,350 from the 1999 IFP.	Completed 8/2016. Baseline completion date is 7/2005. Construction start was 6/2000.	Cost increased by 47.0%. Schedule increased by 218.2%.	Florida DOT, Miami-Dade Aviation, MDX, Miami-Dade County and Tri-County Commuter Rail Authority.	Federal, State and local funds. \$60 million if Federal funds. (\$433 million TIFIA loan)
Tampa Interstate System (TIS).	Tampa, FL.	Reconstruction and widening of 13 miles of I-4 and I-275 and the construction of the Crosstown Connector to improve operation, capacity and safety.	\$1,170 Baseline is \$1,145 from the 2002 IFP.	Completed 6/2016. Baseline completion date is 2/2013. Construction start was 4/2002.	Cost increased by 2.2%. Schedule increased by 30.7%.	Florida DOT.	Federal and State funds. \$865 million Federal funds.

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Completed Major Projects

Project Name	Project Location	Project Description	Total Cost (millions)	Completion Date	Metrics	Project Sponsor	Funding Sources
Connector from I-4 to Lee Roy Selmon Expressway.	Hillsborough County, FL.	Construct a new north-south elevated toll road connecting I-4 with the Selmon Expressway.	\$700 Baseline is \$654 from the 2009 IFP.	Completed 10/2014. Baseline completion date is 8/2014. Construction start was 10/2009.	Cost increased by 7.0%. Schedule increased by 3.5%.	Florida DOT and Florida's Turnpike Enterprise.	Federal, State, local and tolls. \$468 Federal funds.
I-595 Corridor Improvements.	Ft. Lauderdale, FL.	Widening, adding reversible lanes and major interchange improvements on I-595 from I-75 to I-95.	\$1,391 Baseline is \$1,410 from the 2008 IFP.	Completed 9/2014. Baseline completion date is 6/2012. Construction start is 10-2008.	Cost reduced by 1.3%. Schedule increased by 61.4%.	Florida DOT.	Federal, State and tolls. \$232 Federal funds. ((\$603 million TIFIA loan).
Port of Miami Tunnel & Access Improvement Project (POMT).	Miami, FL.	Improves access to and from the Port of Miami including a dedicated roadway connector linking the Port of Miami with I-395.	\$802 Baseline is \$877 from the 2009 IFP.	Completed 8/2014. Baseline completion date is 6/2014. Construction start was 5/2010.	Cost reduced by 8.6%. Schedule increased by 4.1%.	Florida DOT, Miami-Dade County, and the city of Miami.	Federal, State and tolling. \$48 million Federal funds. ((\$342 million TIFIA loan).
(iROX) I-75 from Golden Gate Parkway to SR-80.	Lee and Collier Counties, FL.	Widening of I-75 from four to six lanes and reconstruction of one interchange from Colonial Boulevard to Golden Gate Parkway.	\$492 Baseline is \$492 from the 2006 IFP.	Completed 9/2010. Baseline completion date is 8/2010. Construction start was 6/2007.	Project at budget. Schedule increased by 2.7%.	Florida DOT.	Federal and State funds. \$344 million Federal funds.
US 31 Hamilton County.	Indianapolis, IN.	Reconstruction of 12.5 miles of divided expressway from I-465 N to SR-38.	\$593 Baseline is \$605 from the 2010 IFP.	Completed 10/2016. Baseline completion date is 3/2017. Construction start was 12/2010.	Cost reduced by 2.0%. Schedule reduced by 6.6%.	Indiana DOT.	78 % Federal and 22% Non-Federal funding.

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Completed Major Projects

Project Name	Project Location	Project Description	Total Cost (millions)	Completion Date	Metrics	Project Sponsor	Funding Sources
I-69 SIU 3 Section 4.	Greene and Monroe Counties, IN.	Construction of 27 miles of new freeway from US-231 to Bloomington, IN.	\$614 Baseline is \$600 from the 2011 IFP.	Completed 8/2016. Baseline completion date is 6/2015. Construction start was 10/2011.	Cost increased by 2.3%. Schedule increased by 31.9%.	Indiana DOT.	Federal, State and toll leasing. \$325 million Federal funds.
I-465 West Leg Reconstruction (Accelerate 465).	Indianapolis, IN.	Pavement replacement and widening from three to four lanes between SR-67 and 56th Street with 7 interchanges reconstructed.	\$549 Baseline is \$738 from the 2007 IFP.	Completed 6/2015. Baseline completion date is 12/2012. Construction start was 7/2007.	Cost reduced by 25.6%. Schedule increased by 46.1%.	Indiana DOT.	Federal, State and toll leasing. \$100 million Federal funds.
Louisville Southern Indiana Ohio River Bridges Project.	KY/IN (Louisville, KY).	Construction of two new bridges crossing the Ohio River and construction of the new Kennedy interchange in downtown Louisville.	\$2,320 Baseline is \$2,585 from the 2012 IFP.	Completed 9/2017. Baseline completion date is 12/2018. Construction start was 12/2012.	Cost reduced by 10.3%. Schedule reduced by 20.8%.	Kentucky Transportation Cabinet (lead) and Indiana DOT.	Federal, State and tolling. \$750 million Federal funds. ((\$452 million TIFIA loan)
I-10 Twin Span Structures.	Slidell, LA.	Replacement of the I-10 Twin Span structures over Lake Pontchartrain east of New Orleans.	\$725 Baseline is \$803 from the 2006 IFP.	Completed 10/2012. Baseline completion date is 3/2011. Construction start was 4/2006.	Cost reduced by 9.7%. Schedule increased by 32.3%.	Louisiana DOTD.	Federal funds (ER). \$725 million Federal funds.
Intercounty Connector.	Prince George's and Montgomery Counties, MD.	Construction of an east-west limited access highway between the I-270 and I-95/US-1 corridors.	\$2,387 Baseline is \$2,446 from the 2007 IFP.	Completed 11/2014. Baseline completion date is 12/2012. Construction start was 6/2007.	Cost reduced by 2.4%. Schedule increased by 34.8%.	Maryland State Highway Administration and Maryland Transportation Authority.	Federal, State and tolling. \$535 million Federal funds. (\$516 million TIFIA loan).

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Completed Major Projects

Project Name	Project Location	Project Description	Total Cost (millions)	Completion Date	Metrics	Project Sponsor	Funding Sources
I-95/Woodrow Wilson Bridge.	Virginia, Maryland and the District of Columbia.	Replacement of existing Potomac River 6-lane bridge with new 12-lane double structure including auxiliary and HOV lanes. Project includes adjacent interchanges.	\$2,374 Baseline is \$2,403 from the 2001 IFP.	Completed 6/2013. Baseline completion date is 5/2011. Construction start was 10/2000.	Cost reduced by 1.2%. Schedule increased by 19.7%.	Virginia DOT, Maryland SHA and DCDOT.	Federal, State and DC funds. \$2,052 million Federal funds.
Central Artery/Ted Williams Tunnel.	Boston, MA.	Replacement of existing I-93 viaduct in downtown Boston with eight to ten-lane tunnels, cable-stayed bridge over the Charles River and a I-90 extension with a four-lane tunnel to Logan Airport.	\$14,798 Baseline is \$5,780 from the 1991 APF.	Completed 10/2007. Baseline completion date is 12/2004. Construction start is 1991.	Cost increased by 156.0%. Schedule increased by 21.0%.	Massachusetts Turnpike Authority.	Federal, State and private funds. \$8,547 million Federal funds.
I-35W St. Anthony Falls Bridge.	Minneapolis, MN.	Rebuilding the I-35W bridge over the Mississippi River that collapsed on 8/1/2007.	\$320 Baseline is \$315 from the 2007 IFP.	Completed 11/2008. Baseline completion date is 12/2008. Construction start was 8/2007.	Cost increased by 1.6%. Schedule reduced by 6/1%.	Minnesota DOT.	Federal (ER) and State funds. \$314 million Federal funds.
New Mississippi River Bridge.	Illinois/Missouri (St. Louis, MO).	Construction of new I-70 bridge crossing the Mississippi River and relocation of I-70 in Illinois with associated interchange and local road improvements.	\$676 Baseline is \$660 from the 2009 IFP.	Completed 2/2014. Baseline completion date is 1/2014. Construction start was 7/2009.	Cost increased by 2.4%. Schedule increased by 1.9%.	Missouri DOT (lead) and Illinois DOT.	Federal and State funds. \$307 million Federal funds.

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Completed Major Projects

Project Name	Project Location	Project Description	Total Cost (millions)	Completion Date	Metrics	Project Sponsor	Funding Sources
I-64, from Spoede Road to Sarah Street.	St. Louis County and St. Louis City, MO.	Reconstruction of 12 miles of I-64, including interchanges at I-170 and other locations.	\$529 Baseline is \$535 from the 2006 IFP.	Completed 12/2011. Baseline completion date is 10/2010. Construction start was 4/2007.	Cost reduced by 1.1%. Schedule increased by 33.3%.	Missouri DOT.	Federal, State and local funds. \$439 million Federal funds.
Brooklyn Bridge Contract 6.	New York and Kings Counties, NY.	Rehabilitation of existing bridge structure, including painting of entire bridge and reconstruction of approach spans and ramps.	\$746 Baseline is \$448 from the 2008 IFP.	Completed 1/2017. Baseline completion date is 9/2013. Construction start was 6/2009.	Cost increased by 66.5%. Schedule increased by 78.4%.	New York City DOT.	Federal, State and local funds. \$335 million Federal funds.
Willis Avenue Bridge.	Manhattan and Bronx Counties, NY.	Reconstruction of the Willis Avenue Bridge over the Harlem River.	\$770 Baseline is \$495 from the 2006 IFP.	Completed 9/2015. Baseline completion date is 11/2012. Construction start was 8/2007.	Cost increased by 55.6%. Schedule increased by 53.9%.	New York State DOT and New York City DOT.	Federal, State and local funds. \$293 million Federal funds.
Triangle Expressway, Western Wake Freeway.	Raleigh, NC.	Construction of a new 12.6-mile freeway from NC 55 at SR 1172 to NC 55 near SR 1630 on the west side of Raleigh.	\$983 Baseline is \$1,031 from the 2009 IFP.	Completed 8/2013. Baseline completion date is 12/2012. Construction start was 8/2008.	Cost reduced by 4.7%. Schedule increased by 15.4%.	North Carolina Turnpike Authority.	Federal, State and private funds. \$86 million Federal funds. ((\$387 million TIFIA loan)
SH 99, The Grand Parkway (Segments F-1, F-2, and G).	Houston, TX.	Constructs segments D, F, F-1, F-2 and G of the Grand Parkway, a 180-mile limited access, tolled facility around the Houston metropolitan area.	\$2,448 Baseline is \$2,449 from the 2013 IFP.	Completed 1/2017. Baseline completion date is 12/2015. Construction start is 6/2013.	Cost remained unchanged. Schedule increased by 43.5%	Texas DOT.	State and private funds. No Federal funds. ((\$841 million TIFIA loan)

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Completed Major Projects

Project Name	Project Location	Project Description	Total Cost (millions)	Completion Date	Metrics	Project Sponsor	Funding Sources
Southwest Parkway (SH 121) – Chisolm Trail.	Fort Worth, TX.	Construction of 15 miles of a \$toll facility from I-30 near downtown Fort Worth to FM 1187 in Tarrant County.	\$1,150 Baseline is \$1,481 from the 2009 IFP.	Completed 5/2016. Baseline completion date is 5/2013. Construction start was 2/2010.	Cost reduced by 22.3%. Schedule increased by 92.5%.	Texas DOT, North Texas Tollway Authority, and the city of Fort Worth.	Federal, State, local and private funds. \$133 million Federal funds.
LBJ Freeway.	Dallas, TX.	Reconstruction of I-635 from I-35E to US-75. Project includes free main lanes, toll managed lanes and frontage roads.	\$2,182 Baseline is \$2,231 from the 2011 IFP.	Completed 12/2015. Baseline completion date is 7/2016. Construction start was 6/2011.	Cost reduced by 2.2%. Schedule reduced by 11.5%.	Texas DOT.	Federal, State and private funds. \$359 million Federal funds. ((\$976 million TIFIA loan)
North Tarrant Express.	Fort Worth, TX.	Reconstruction of I-820 and the opportunity to develop SH-183 and I-35W. Project includes free main lanes, interconnected toll managed lanes and frontage roads.	\$1,873 Baseline is \$1,874 from the 2010 IFP.	Completed 10/2014. Baseline completion date is 9/2015. Construction start was 11/2010.	Cost reduced by 0.1%. Schedule reduced by 19.0%.	Texas DOT.	Federal, State and private funds. \$506 million Federal funds. ((\$704 million TIFIA loan)
Eastern Extension of the President George Bush Turnpike (SH-190).	Dallas County, TX.	Construction of a new six-lane toll road from SH-78 to I-30, including frontage roads and an interchange at I-30.	\$787 Baseline is \$1,037 from the 2008 IFP.	Completed 12/2013. Baseline completion date is 6/2012. Construction start was 6/2008.	Cost reduced by 24.1%. Schedule increased by 37.5%.	Texas DOT and the North Texas Tollway Authority.	Federal, State, local and tolling. \$160 million Federal funds.

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Completed Major Projects

Project Name	Project Location	Project Description	Total Cost (millions)	Completion Date	Metrics	Project Sponsor	Funding Sources
SH 130 Segments 5 & 6.	Central Texas/Austin and San Antonio, TX.	Construction of a new 40-mile toll road connecting the completed portions of SH-130 (Central Texas Turnpike) to Seguin, Texas.	\$1,107 Baseline is \$1,117 from the 2009 IFP.	Completed 10/2012. Baseline completion date is 11/2012. Construction start was 5/2009.	Cost reduced by 0.9%. Schedule reduced by 2.4%.	Texas DOT.	Federal, State and private funds. \$4 million Federal funds. (\$430 million TIFIA loan)
SH-161 President George Bush Turnpike Western Extension.	Dallas County, TX.	Construction of a new four and six-lane toll road with frontage roads from I-20 to SH-183.	\$1,055 Baseline is \$1,099 from the 2011 IFP.	Completed 10/2012. Baseline completion date is 10/2012. Construction start was 8/2005.	Cost reduced by 4.0%. Project completed on schedule.	Texas DOT, North Texas Tollway Authority and the cities of Grand Prairie and Irving.	Private funds. (\$437 million TIFIA loan)
I-10/Katy Freeway.	Houston, TX.	Reconstruction of 38 miles of I-10 from Houston to Katy. Includes reconstruction of 2.6 miles of I-610.	\$2,691 Baseline is \$1,761 from the 2003 IFP.	Completed 11/2010. Baseline completion date is 11/2008. Construction start was 6/2003.	Cost increased by 52.8%. Schedule increased by 36.9%.	Texas DOT.	Federal, State, local and private funds. \$1,311 million Federal funds.
Central Texas Turnpike.	Austin, TX.	Construction of 120 mile of toll facilities to ease congestion on I-35 in Central Texas. This project is the first of three phases.	\$2,733 Baseline is \$2,942 from the 2002 IFP.	Completed 4/2008. Baseline completion date is 12/2007. Construction start was 2/2003.	Cost reduced by 7.1%. Schedule increased by 6.9%.	Texas Turnpike Authority of TxDOT, local cities, counties and associations.	Federal, State, local and private funds. \$520 million Federal funds. (\$900 million TIFIA loan)

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Completed Major Projects

Project Name	Project Location	Project Description	Total Cost (millions)	Completion Date	Metrics	Project Sponsor	Funding Sources
I-15 Corridor.	Salt Lake City, UT.	Reconstruction of 17 miles of I-15, with auxiliary and HOV lanes added in preparation for the 2002 Winter Olympics.	\$1,630 Baseline is \$1,360 from the 1996 IFP.	Completed 7/2001. Baseline completion date is 10/2001. Construction Start was 4/1997.	Cost increased by 19.9%. Schedule reduced by 5.6%.	Utah DOT.	Federal and State funds. \$448 million Federal funds.
Midtown Tunnel/ Downtown Tunnel/Martin Luther King Extension Project.	Hampton Roads, VA.	Construction of new tunnel under the Elizabeth River parallel to the existing Midtown Tunnel, improvements to existing tunnels and extension of US-58 to I-264.	\$1,549 Baseline is \$1,577 from the 2012 IFP.	Completed 9/2017. Baseline completion date is 8/2018. Construction start was 9/2012.	Cost reduced by 1.8%. Schedule reduced by 15.5%.	Virginia DOT.	Federal, State and private funds. \$182 million Federal funds. (\$422 million TIFIA loan)
I-95 HOV/HOT Lanes, Northern Segment.	Fairfax, Prince William and Stafford Counties, VA.	Development of 29 miles of HOT lanes, including conversion of HOV lanes to HOT lanes.	\$807 Baseline in \$863 from the 2012 IFP.	Completed 9/2015. Baseline completion date is 3/2015. Construction start was 7/2012.	Cost reduced by 6.5%. Schedule increased by 18.9%.	Virginia DOT.	Federal, State and private funds. \$101 million Federal funds. (\$300 million TIFIA loan)
Capital Beltway High Occupancy Toll (HOT) Lanes.	Fairfax County, VA.	Widening of 14 miles of I-495 (Capital Beltway) from the Springfield Interchange to the Dulles Toll Road to implement four new HOT Lanes and access points.	\$1,725 Baseline is \$1632 from the 2008 IFP.	Completed 11/2012. Baseline completion date is 12/2012. Construction start was 7/2008.	Cost increased by 5.7%. Schedule reduced by 1.9%.	Virginia DOT.	Federal, State and private funds. \$284 million Federal funds. (\$589 million TIFIA loan).

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Completed Major Projects

Project Name	Project Location	Project Description	Total Cost (millions)	Completion Date	Metrics	Project Sponsor	Funding Sources
I-95/I-395/I-495 Springfield Interchange.	Springfield, VA.	Reconstruction of I-95/I-495 and I-95/SR-644 interchange with separation of local, through and HOV traffic with direct ramp access.	\$676 Baseline is \$676 from the 2002 IFP.	Completed 7/2007. Baseline completion date is 11/2007. Construction start was 4/1997.	Cost came in on budget. Schedule reduced by 3.2%.	Virginia DOT.	Federal and State funds. \$628 million Federal funds.
SR 520 – Pontoon Construction Project.	Grays Harbor, WA.	Construction of casting basin and pontoons that will be used to reconstruct the SR 520 Floating Bridge in Seattle.	\$563 Baseline is \$609 from the 2010 IFP.	Completed 12/2016. Baseline completion date is 11/2014. Construction start was 2/2011.	Cost reduced by 7.6%. Schedule increased by 55.6%.	Washington State DOT.	Federal, State and private funding. \$97 million Federal funds. (\$320 million TIFIA loan)
SR 520, Medina to SR 202: Eastside Transit and HOV Project.	Seattle, WA.	Construction of SR 520 from Medina (East side of Lake Washington) to SR 202 to enhance travel time reliability, mobility, access, safety for transit, public, and HOV traffic.	\$513 Baseline is \$534 from the 2011 IFP.	Completed 9/2015. Baseline completion date is 12/2014. Construction start was 12/2010.	Cost reduced by 3.9%. Schedule increased by 18.8%.	Washington State DOT.	State funds.
I-41 Reconstruction	Winnebago and Brown Counties, WI.	Reconstruction of I-41 including all interchanges and capacity expansion of one lane in each direction.	\$1,390 Baseline is \$1,515 from the 2009 IFP.	Completed 6/2017. Baseline completion date is 1/2018. Construction start was 6/2007	Cost reduced by 8.3%. Schedule reduced by 5.5%.	Wisconsin DOT.	Federal and State funds. \$371 million Federal funds.
I-43/I-94/I-794 Marquette Interchange	Milwaukee, WI.	Reconstruction of the Marquette Interchange and approaches in downtown Milwaukee.	\$784 Baseline is \$810 from the 2003 IFP.	Completed 10/2008. Baseline completion date is 12/2008. Construction start was 4/2004.	Cost reduced by 3.2%. Schedule reduced by 3.6%.	Wisconsin DOT.	Federal and State funds. \$452 million Federal funds.

