



SPECIAL PROJECTS SYSTEM FY2017 - FY2021 FIVE-YEAR <u>CAPITAL PLAN</u>





#### **READERS' ROADMAP**

This Readers' Roadmap is a guide to help navigate through the North Texas Tollway Authority's Special Projects System Five-Year Capital Plan. The roadmap is designed to give the NTTA Board of Directors, bondholders, elected officials, stakeholders, the public and staff a detailed look at expected capital spending. The FY2017 - FY2021 Five-Year Capital Plan is divided into five sections. Footnotes and page references are used to direct the reader to other sections of the document for additional detail and explanation.

#### **CAPITAL PLAN OVERVIEW**

This section contains a map of NTTA roadways, an introduction and background for the Capital Plan, documents that features the types of projects and funding, a long-term financial plan with expected revenues and expenses and a schedule showing expected costs by project type. The section also contains a graphic representation of the flow of funds and other informational graphs.

#### **PROJECT SECTIONS**

Projects are grouped into the categories below: Each category has a description and summary of projects, a project listing and a project detail form.

- 1. Major Maintenance
- 2. Capital Expenditures
- 3. Construction

#### **APPENDICES**

The last section contains the Trust Agreement that outlines the funds created and the order of revenue distribution. Also included is the Capital Plan calendar and documents describing the Capital Plan process, the major revenue sources, outstanding debt service and estimated operating expenditures.

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#### **APPENDICES**

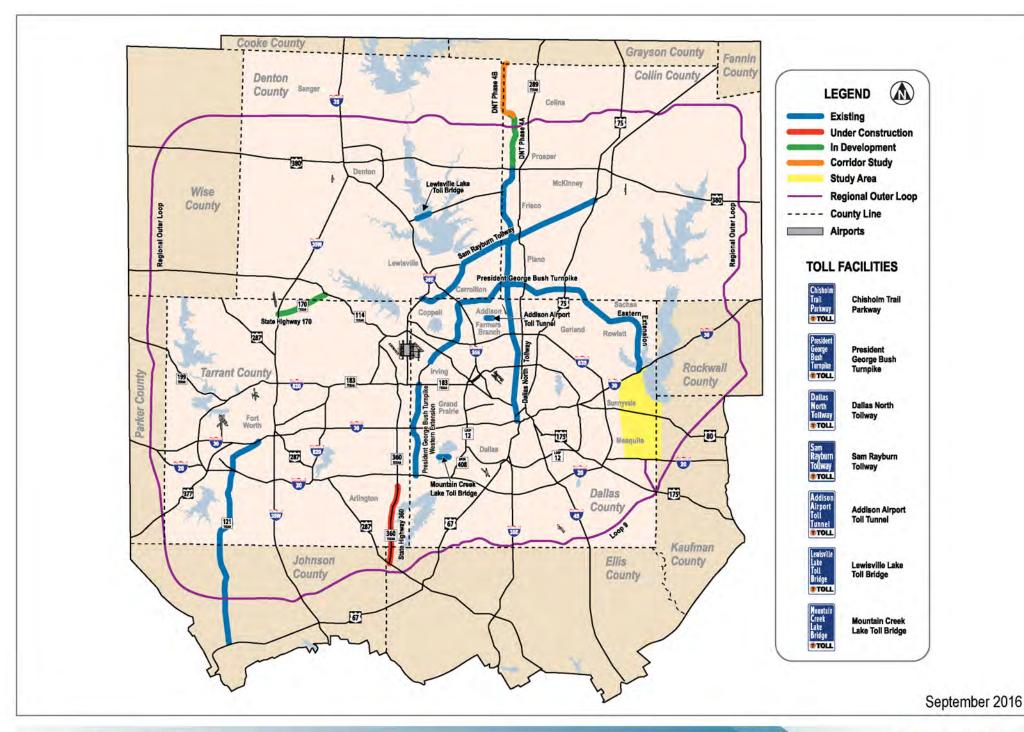
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# CAPITAL PLAN OVERVIEW





#### **Introduction and Overview**

#### INTRODUCTION

The North Texas Tollway Authority's (NTTA or the Authority) Special Projects System Five-Year Capital Plan (SPS Capital Plan) is developed to plan for the maintenance, renewal, improvement and/or replacement of capital assets.

The SPS Capital Plan shows current-year estimated expenditures approved through the annual budget process and five subsequent-year estimates to be used for planning purposes only. The subsequent-years are re-evaluated, updated and/or extended as part of the annual budget process. As a multi-year planning tool, the SPS Capital Plan is comprised of projects continued from previous years and projects being initiated within the next five years.

The SPS Capital Plan is adopted annually by the NTTA Board of Directors. The projects listed in the SPS Capital Plan and projected expenditures do not constitute a firm commitment by the Authority to fund the project.

#### **LONG-TERM FINANCIAL PLANS**

Three major factors inform the SPS's long-term financial plans: traffic and revenue estimates provided by independent traffic and revenue engineers, estimated maintenance expenses provided by the independent general engineering consultant and estimated net debt service provided by independent financial advisors. (Cost estimates are guided by the Toll Equity Loan Agreement (TELA) Project Budget.)

#### A. Revenue Fund

Estimated total revenue over the next five years is \$644.3 million. Approximately \$620.9 million, or 96.4% of total revenue, is based on projections provided by the traffic and revenue engineers (see Major Revenue Source, page 74). Approximately \$23.4 million, or 3.6% of total revenue, is estimated by the Authority and includes ZipCash administrative fees and estimated interest earnings on projected cash balances. Total revenue growth is projected to average 8.4% per year from FY2017 through FY2021. All SPS revenues on deposit in the Revenue Fund must be distributed to the other funds in accordance with the Trust Agreement with Supplements (see Flow of Funds, pages 51-70).

	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	Five Year Totals FY2017 - FY2021
DEVENUE PUND							
REVENUE FUND							
Estimated Beginning Available Cash Balance	-	•	-	•	-	-	-
INFLOWS	04.652.464	00 472 554	110 (14 000	126 120 600	126 500 065	141 414 025	(20.070.420
Estimated Toll Revenues	84,652,464	98,172,551	118,644,888	126,128,689	136,509,965	141,414,035	620,870,128
Estimated Other Revenues	7,056,403	4,305,590	4,514,328	4,736,375	4,879,438	5,001,781	23,437,512
TOTAL INFLOWS	91,708,867	102,478,141	123,159,216	130,865,064	141,389,403	146,415,816	644,307,640
OUTFLOWS							
Transfer to:	-	-	-	-	-	-	-
TOTAL OUTFLOWS	-	-	-	-	-	-	-
Total Revenues Available for Debt Service	91,708,867	102,478,141	123,159,216	130,865,064	141,389,403	146,415,816	644,307,640

#### **B.** Debt Service Fund

In order to fund SPS construction, NTTA has issued 1<sup>st</sup> and 2<sup>nd</sup> tier debt. NTTA maintains Debt Service Funds to pay these debt obligations. Over the next five years, principal and interest requirements total \$435.0 million. Estimates are provided by the Authority's financial advisor. The funds flow from the Revenue Fund and are expected to match the required debt service (see Flow of Funds, pages 51-70).

The Trust Agreement requires a 1<sup>st</sup> tier debt service coverage (gross revenues divided by net debt service) of 1.25 times. The debt service coverage ranges from a low of 1.66 in FY2017 to a high of 2.46 in FY2018. (See page 10.)

	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	Five Year Totals FY2017 - FY2021
Net Revenues Available for Debt Service	91,708,867	102,478,141	123,159,216	130,865,064	141,389,403	146,415,816	644,307,640
DEBT SERVICE FUNDS					,,		0.000,000
Estimated Beginning Available Cash Balance	_	-	-	-	-	-	-
INFLOWS							
Transfer from Construction Funds	3,200,000	-	-	-	-	-	-
Capitalized interest transfer	10,200,504	7,208,968	5,618,094	-	-	-	12,827,062
Transfer from Revenue Fund	58,546,926	62,841,961	71,625,072	79,145,766	102,649,799	105,896,701	422,159,299
TOTAL INFLOWS	71,947,430	70,050,929	77,243,166	79,145,766	102,649,799	105,896,701	434,986,361
OUTFLOWS							
1st Tier Debt Service	(71,947,430)	(69,050,929)	(55,684,179)	(57,586,779)	(81,090,812)	(84,337,714)	(347,750,413)
2nd Tier Debt Service	(71,717,130)	(1,000,000)	(21,558,987)	(21,558,987)	(21,558,987)	(21,558,987)	(87,235,948)
3rd Tier Debt Service	_	(1,000,000)	(21,550,507)	(21,330,307)	(21,330,707)	(21,330,707)	(07,233,710)
Total Debt Service	(71,947,430)	(70,050,929)	(77,243,166)	(79,145,766)	(102,649,799)	(105,896,701)	(434,986,361)
TOTAL OUTFLOWS	(71,947,430)	(70,050,929)	(77,243,166)	(79,145,766)	(102,649,799)	(105,896,701)	(434,986,361)
Estimated Ending Available Cash Balance	-	-	-	-	-	-	-
Net Revenues Available for Operating Fund	33,161,941	39,636,180	51,534,144	51,719,298	38,739,604	40,519,115	222,148,341
Corner Donator 1 - t Time Dalet Coming Commen	1.57	1.66	2.46	2.27	1.74	1.74	1.02
Gross Revenue 1st Tier Debt Service Coverage	1.57	1.66	2.46	2.27	1.74	1.74	1.92
Net RevenueTotal Debt Service Coverage	1.18	1.19	1.31	1.26	1.06	1.06	1.16
							-
First Tier Capitalized Interest Fund							
Estimated Beginning Cash Balance	23,027,566	12,827,062	5,618,094	-	-	-	12,827,062
Transfers from Excess Revenues	-	-	-	-	-	-	-
Interest	-	-	-	-	-	-	-
Transfers to Debt Service Fund	(10,200,504)	(7,208,968)	(5,618,094)	-	-	-	(12,827,062)
Estimated Ending Cash Balance	12,827,062	5,618,094	-	-	-	-	-
Rate Stabilization Fund							•
	120.070.126	122 070 126	199 970 497	124 670 126	125 070 126	197 940 496	122.070.426
Estimated Beginning Cash Balance Transfers from Excess Revenues	130,870,126	132,070,126	133,370,126	134,670,126	135,970,126	137,310,126	132,070,126
	1,200,000	1,300,000	1,300,000	1,300,000	1,340,000	1,340,000	6 500 000
Interest Transfers to Operating Fund	1,200,000	1,300,000	1,300,000	1,300,000	1,340,000	1,340,000	6,580,000
Transfers to Operating Fund Transfers to Major Maintenance Fund	]	-	-	-	-	-	_
Transfers to Major Maintenance Fund Transfers to Capital Expenditures Fund		- -	- -	- -	- -	-	_
Estimated Ending Cash Balance	132,070,126	133,370,126	134,670,126	135,970,126	137,310,126	138,650,126	138,650,126

#### C. Operating Fund (OF)

OF expenses for the next five years are estimated at \$154.1 million. These funds are required to run the day-to-day operations of the Special Projects System. According to the Trust Agreement with supplements, revenues must be transferred to the OF to cover expenses and maintain a reserve balance (see Flow of Funds, pages 55-56, and Cash Balances, pages 55 and 72). A projected \$156.0 million for operating expense and reserve balance will be transferred from the FY2017 – FY2021 revenues to the OF.

The estimated operating expenses for FY2017 are an allocation of NTTA System costs and direct costs, which are guided by the TELA Annual Operating Project Budget. The operating expenses are expected to increase an average of 5.5% per year between FY2017 and FY2021. (See Appendix F, page 75.)

	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	Five Year Totals FY2017 - FY2021
Total Revenues Available for Operations	33,161,941	39,636,180	51,534,144	51,719,298	38,739,604	40,519,115	222,148,341
OPERATING FUND							
Estimated Beginning Available Cash Balance	4,298,419	3,750,000	4,587,658	4,884,620	5,130,545	5,388,656	3,750,000
INFLOWS							
Transfer from Revenue Fund	21,951,581	28,363,607	29,604,678	31,029,198	32,590,049	34,419,018	156,006,551
TOTAL INFLOWS	21,951,581	28,363,607	29,604,678	31,029,198	32,590,049	34,419,018	156,006,551
OUTFLOWS							
Estimated Operating Expenses	(22,500,000)	(27,525,949)	(29,307,717)	(30,783,272)	(32,331,938)	(34,120,864)	(154,069,740)
TOTAL OUTFLOWS	(22,500,000)	(27,525,949)	(29,307,717)	(30,783,272)	(32,331,938)	(34,120,864)	(154,069,740)
Estimated Ending Available Cash Balance	3,750,000	4,587,658	4,884,620	5,130,545	5,388,656	5,686,811	5,686,811
Net Revenues Available for Reserve Funds	11,210,360	11,272,573	21,929,466	20,690,100	6,149,555	6,100,097	66,141,790
Distribution to Reserve Funds							
Transfers to Major Maintenance Reserve Fund	(4,057,629)	(7,802,549)	(7,669,146)	(7,442,265)	(6,149,555)	(6,100,097)	(35,163,612)
Transfers to Capital Expenditures Reserve Fund	(2,051,477)	(3,261,788)	(3,803,823)	(8,248,726)	-	-	(15,314,337)
Transfers to General Fund	(5,101,254)	(208,236)	(10,456,497)	(4,999,109)	_	-	(15,663,842)
Estimated Ending Cash Balance	-	(0)	(0)	0	-	(0)	(1)

#### D. Major Maintenance Fund (MMF)

This fund was created to account for the reasonable and necessary expenses of repair and maintenance that do not occur at annual or shorter periods, as reasonably determined by the Authority for preserving or extending the useful life of the President George Bush Turnpike Western Extension (PGBTWE) and the Chisholm Trail Parkway (CTP) and to provide repairs and maintenance of the roads in accordance to the TELA Project Agreement Standards. These expenses include, without limiting the generality of the categories; expenses for periodic roadway resurfacing and repair, replacement of toll collections, vehicle identification, toll integration and video enforcement equipment, and all administrative and engineering expenses related to the major maintenance expenses.

The Authority elected to use the Governmental Accounting Standards Board (GASB) 34 Modified Approach to account for maintenance of infrastructure assets. As required by the Trust Agreement, an annual inspection of the Authority's roadways is conducted by the general engineering consultant. This inspection provides an assessment of conditions of all SPS infrastructure assets (roadways, bridges and facilities). The assessment of conditions is made by visual and mechanical tests designed to reveal any condition that would reduce user benefits below the set minimum level of service. The Authority's goal is to maintain the infrastructure assets at a rating of eight or better (1 to 10 scale). NTTA has established a minimum level, for GASB 34 purposes, of a condition level of six or greater. These condition levels were adopted by the Board of Directors Resolution No. 02-31 on June 19, 2002; and further clarified by Resolution No. 07-169 on Dec. 19, 2007. The roads are maintained at the Project Agreement level in order to enhance the customers' driving experience.

The MMF estimate for FY2017 through FY2021 is \$18.8 million for PGBTWE and \$13.4 million for CTP, a total of \$32.2 million. This estimate is composed of \$25.1 million of project costs (see Major Maintenance Projects, pages 25-32) and \$7.1 million for professional fees and allocated salary and benefit costs. The MMF is fully funded from revenues deposited to the Major Maintenance Reserve Fund in accordance to the TELA.

	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	Five Year Totals FY2017 - FY2021
Major Maintenance Reserve Fund							
Estimated Beginning Cash Balance	13,540,449	15,045,001	18,597,522	23,989,577	16,856,837	19,727,477	15,045,001
Transfers from Excess Revenues	4,057,629	7,802,549	7,669,146	7,442,265	6,149,555	6,100,097	35,163,612
Interest	31,143	34,604	42,774	55,176	38,771	45,373	216,698
Transfers to PGBTWE Major Maintenance Fund	(1,832,491)	(3,163,424)	(1,208,442)	(9,162,822)	(2,468,710)	(2,743,025)	(18,746,423)
Transfers to CTP Major Maintenance Fund	(751,729)	(1,121,208)	(1,111,423)	(5,467,359)	(848,976)	(4,856,631)	(13,405,597)
Estimated Ending Cash Balance	15,045,001	18,597,522	23,989,577	16,856,837	19,727,477	18,273,291	18,273,291

	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	Five Year Totals FY2017 - FY2021
President George Bush Turnpike Western Extension							
Estimated Available Cash Balance September 1	234,935	-	-	-	-	-	-
INFLOWS							
Transfer from Major Maintenance Reserve Fund	1,832,491	3,163,424	1,208,442	9,162,822	2,468,710	2,743,025	18,746,423
TOTAL INFLOWS	1,832,491	3,163,424	1,208,442	9,162,822	2,468,710	2,743,025	18,746,423
OUTFLOWS							
Capital Replacements:							
Intelligent Transportation System	-	(10,537)	(16,239)	=	=	-	(26,776)
Electronic Toll Collection	-	(318,386)	(392,452)	(1,354,225)	(1,490,857)	-	(3,555,920)
Fiber	-	(9,483)	(19,487)			-	(28,970)
Dispatch Tech	_	-	-	(24,787)	-	-	(24,787)
Digital Messaging Sign, Travel Time	_	(47,415)	(48,718)	-	-	-	(96,133)
Pavement Maintenance	(41,054)	(1,852,148)	-	(1,444,279)	(282,666)	(163,554)	
Bridge Repair and Beam Coating	(1,422,725)	(151,622)	_	(3,749,959)	<del>-</del>	(1,693,878)	* 1
Traffic Barrier/Rails, Fences	(1)122). 20)	(149,680)	_	(914,280)	_	(1,0,0,0,0,0)	(1,063,960)
Roadside Safety Services - Trucks and Equipment	_	(11),000)	(86,187)	(911,200)	_	(93,494)	* 1
Retaining and Sound Walls	_	_	(00)_01.j	(1,010,244)	_	(, c, , , , , , , , , , , , , , , , , ,	(1,010,244)
Agency Overhead - Engineering Fees, Salaries	(603,647)	(624,153)	(645,359)	(665,048)	(695,187)	(792,099)	
TOTAL OUTFLOWS	(2,067,426)	(3,163,424)	(1,208,442)	(9,162,822)	(2,468,710)	(2,743,025)	
Estimated Ending Available Cash Balance August 31	-	-	-	-	-	-	-
Chisholm Trail Parkway							
Estimated Available Cash Balance September 1	-	-	-	-	-	-	-
INFLOWS							
Transfer from Major Maintenance Reserve Fund	751,729	1,121,208	1,111,423	5,467,359	848,976	4,856,631	13,405,597
TOTAL INFLOWS	751,729	1,121,208	1,111,423	5,467,359	848,976	4,856,631	13,405,597
OUTFLOWS							
Capital Replacements:							
Intelligent Transportation System	-	=	-	(1,050,296)	=	(4,041,874)	(5,092,170)
Electronic Toll Collection	-	=	-	(52,137)	=	-	(52,137)
Fiber	-	-	-	(36,269)	=	-	(36,269)
Digital Messaging Sign, Travel Time	-	-	-	(81,102)	-	(27,256)	(108,358)
Pavement Maintenance	-	(425,000)	(311,125)	(3,505,642)	-	-	(4,241,767)
Roadway Customer Service - Trucks and Equipment	(77,296)	-	(81,606)	-	(86,156)	-	(167,762)
Agency Overhead - Engineering Fees, Salaries	(674,433)	(696,208)	(718,692)	(741,913)	(762,820)	(787,501)	V 1 1 1
TOTAL OUTFLOWS	(751,729)	(1,121,208)	(1,111,423)	(5,467,359)	(848,976)	(4,856,631)	(13,405,597)
Estimated Ending Available Cash Balance August 31	-	-	-	-	-	-	-

#### E. Capital Expenditures Fund (CEF)

The Capital Expenditures Fund was created to account for the cost of repairs, enlargement's, extensions, additions, improvements, reconstruction and replacement of capital assets. In accordance to the TELA Project Agreement, the PGBTWE first widening project is scheduled to start in FY2017, and the PGBTWE second widening project is scheduled to start in FY2029.

The FY2017 – FY2021 SPS Capital Plan includes \$23.4 million for the PGBTWE first widening. This estimate is composed of \$19.2 million of project costs (see Capital Expenditures Projects, pages 35-37) and \$4.2 million for professional fees and allocated salary and benefit costs. These costs will be fully funded from the Capital Expenditures Reserve Fund in accordance to the TELA.

	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	Five Year Totals FY2017 - FY2021
Capital Expenditures Reserve Fund							
Estimated Beginning Cash Balance	13,540,449	15,623,069	18,226,914	20,830,759	23,434,604	10,330,901	15,623,069
Transfers from Excess Revenues	2,051,477	3,261,788	3,803,823	8,248,726	-	-	15,314,337
Interest	31,143	35,933	41,922	47,911	53,900	23,761	203,426
Transfers to PGBTWE Capital Expenditures Fund	-	(693,876)	(1,241,900)	(5,692,792)	(13,157,602)	(2,648,434)	(23,434,604)
Estimated Ending Cash Balance	15,623,069	18,226,914	20,830,759	23,434,604	10,330,901	7,706,228	7,706,228
President George Bush Turnpike Wester	n Extension						
Estimated Available Cash Balance September 1	-	-	-	-	-	-	-
INFLOWS							
Transfer from Capital Expenditures Reserve Fund	-	693,876	1,241,900	5,692,792	13,157,602	2,648,434	23,434,604
Transfer from Construction Fund	-	-	-	-	-	-	-
Transfer from General Fund	_	-	-	-	-	-	-
TOTAL INFLOWS	-	693,876	1,241,900	5,692,792	13,157,602	2,648,434	23,434,604
OUTFLOWS							
Capital Expenditures:							
PGBTWE First Widening	-	(557,233)	(1,027,170)	(4,668,089)	(10,789,234)	(2,171,716)	(19,213,442)
PGBTWE Second Widening	-	-	-	-	-	-	-
Agency Overhead - Professional Fees, Salaries	-	(136,643)	(214,730)	(1,024,703)	(2,368,368)	(476,718)	(4,221,162)
TOTAL OUTFLOWS	-	(693,876)	(1,241,900)	(5,692,792)	(13,157,602)	(2,648,434)	(23,434,604)
Estimated Ending Available Cash Balance August	-	-	-	-	-	-	-
General Fund							
Estimated Beginning Cash Balance	21,865,202	27,016,746	27,287,120	37,806,378	42,892,442	42,991,094	27,016,746
Transfers from Excess Revenues	5,101,254	208,236	10,456,497	4,999,109	-	-	15,663,842
Interest	50,290	62,139	62,760	86,955	98,653	98,880	409,386
Transfers to Operating Fund	-	-	-	-	-	-	-
Estimated Ending Cash Balance	27,016,746	27,287,120	37,806,378	42,892,442	42.991.094	43,089,974	43,089,974

#### F. Construction Fund (CF)

The Authority issued \$400.0 million in bonds secured by revenues deposited into the NTTA System Capital Improvement Fund. These bonds are subordinate to the Authority's third-tier bonds. The proceeds of the bonds were used to finance a portion of the cost of developing the PGBTWE and the CTP (see pages 41-45).

In April FY2011, the Authority issued \$1.1 billion in bonds and bond anticipation notes to finance an upfront payment to the Texas Department of Transportation (TxDOT) for PGBTWE and the development and construction of PGBTWE and CTP. In November FY2011, the Authority issued \$640.5 million in bonds to finance the remaining construction for CTP. This debt was not issued under the NTTA Trust Agreement nor secured by NTTA System revenues. The bonds were issued under a separate Special Projects System Trust Agreement. Neither PGBTWE nor CTP is expected to be added to the NTTA System in the foreseeable future.

These construction projects are funded with bond proceeds and amounts from other sources that are specific for the projects. Over the next five years, Construction Fund costs are estimated at \$7.5 million; comprised of \$6.6 million in construction costs and \$0.9 million in professional fees and allocated salary and benefit costs. The majority of the construction costs totaling \$6.4 million are for CTP to finish out construction items and landscaping. The remaining bond proceeds of \$35.2 will be used to pay debt service or will be transferred to CEF to pay for PGBTWE second widening.

	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	Five Year Totals FY2017 - FY2021
President George Bush Turnpike Western Exte	nsion						
Estimated Beginning Available Cash Balance September 1	2,180,448	502,751	-	-	-	-	502,751
INFLOWS							
Regional Transportation Commission Contribution	-	-	-	-	-	-	-
Equity Contribution from NTTA System	-	-	-	_	-	-	-
Transfer from Capital Expenditures Reserve Fund	-	-	-	-	_	-	-
Transfer from CTP Construction Fund	-	-	-	-	_	-	-
Transfer from Rate Stabilization Fund	-	=	-	-	-	-	-
Bond Issues	-	-	-	_	_	-	-
TOTAL INFLOWS	-	-	-	-	-	-	-
OUTFLOWS							
PGBTWE Expenses	(394,000)	(187,800)	-	-	_	-	(187,800)
Transfer to CTP	-	(230,626)	-	-	_	-	(230,626)
Transfer to Bond Interest Fund	(1,000,000)	<del>-</del>	-	_	_	-	-
Allocated Cost: Salaries, Professional Fees, Legal Fees	(283,697)	(84,325)	-	_	_	-	(84,325)
Retainage Payable	-	-	-	-	-	-	-
TOTAL OUTFLOWS	(1,677,697)	(502,751)	-	-	-	-	(502,751)
Estimated Ending Available Cash Balance August 31	502,751	-	-	-	-	-	-
Chisholm Trail Parkway							
Estimated Beginning Available Cash Balance September 1	52,930,036	42,238,491	35,326,520	35,201,020	35,201,020	35,201,020	42,238,491
INFLOWS							
Reimbursement Agreements							
TxDOT formal Agreement	40,387	-	-	-	-	-	-
UPRR	682,239	-	-	-	-	-	-
City of Fort Worth	4,285,829	-	-	-	-	-	-
Transfer from PGBTWE	-	230,626	-	-	-	-	230,626
TOTAL INFLOWS	5,008,455	230,626	-	-	-	-	230,626
OUTFLOWS							
CTP Expenses	(12,485,775)	(6,335,000)	(112,750)	-	-	-	(6,447,750)
Transfer to PGBTWE Capital Expenditures Fund	-	-	-	-	-	-	-
Transfer to Bond Interest Fund	(2,200,000)	-	-	-	-	-	-
Allocated Cost: Salaries, Professional Fees, Legal Fees	(1,014,225)	(807,597)	(12,750)				(820,347)
TOTAL OUTFLOWS	(15,700,000)	(7,142,597)	(125,500)	-	-	-	(7,268,097)
Estimated Ending Available Cash Balance August 31	42,238,491	35,326,520	35,201,020	35,201,020	35,201,020	35,201,020	35,201,020

# **Project Types & Funding Sources**

#### **MAJOR MAINTENANCE PROJECTS**

Major maintenance and capital replacement projects included in this category are maintenance projects that do not recur on an annual or more frequent basis and replacement of other infrastructure assets as outlined in the TELA. Funding for these projects comes from the remaining revenues available after debt service and operating cost obligations have been satisfied and/or SPS reserve funds in accordance to the TELA.

#### **CAPITAL EXPENDITURES PROJECTS**

Projects that fall into this category include existing roadway expansions, improvements and/or reconstruction. In addition, projects with capital expenses unrelated to new road construction and/or maintenance are included here. Funding for these projects comes from the remaining annual revenues available after debt service, operating costs and reserve maintenance costs have been satisfied and/or SPS reserve funds in accordance with the TELA.

#### **CONSTRUCTION PROJECTS**

Construction projects that fall into this category include SPS roadway projects. Funding for these projects comes primarily from the sale of revenue bonds; however, other funding sources such as loans, grants, reimbursements and equity contributions may be considered.

# FY2017 - FY2021 CAPITAL PLAN SUMMARY PROJECT COSTS

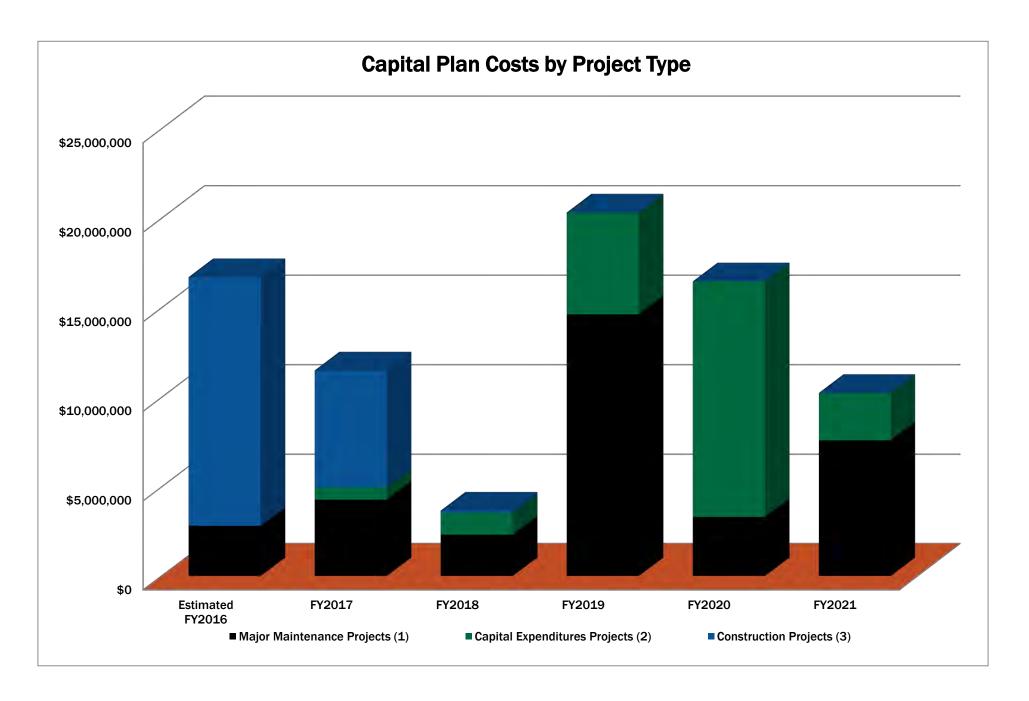
Project Type	Estimated FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	Five Year Total FY2017 - FY2021
Major Maintenance Projects (1)	\$2,819,155	\$4,284,632	\$2,319,865	\$14,630,181	\$3,317,686	\$7,599,656	\$32,152,020
Capital Expenditures Projects (2)	0	693,876	1,241,900	5,692,792	13,157,602	2,648,434	23,434,604
Construction Projects (3)	13,894,000	6,522,800	112,750	0	0	0	6,635,550
Totals	\$16,713,155	\$11,501,308	\$3,674,515	\$20,322,973	\$16,475,288	\$10,248,090	\$62,222,174

Report contains project costs and agency overhead.

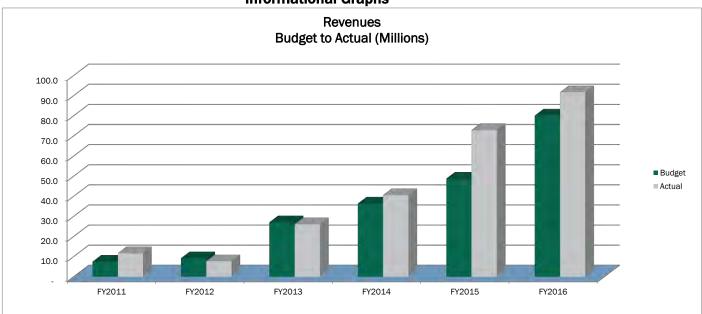
<sup>(1)</sup> List of projects see page 26.

<sup>(2)</sup> List of projects see page 36.

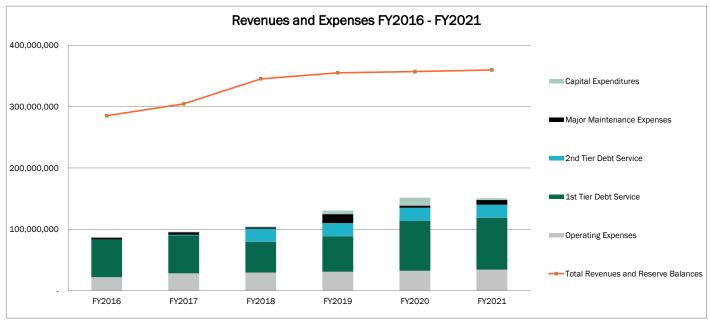
<sup>(3)</sup> List of projects see page 43.



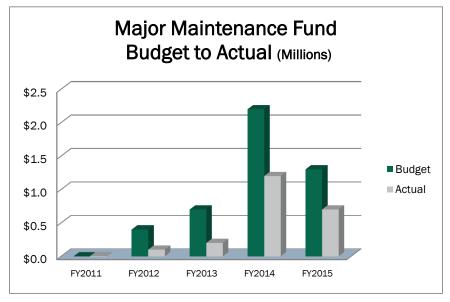
#### **Informational Graphs**



Actual amount for FY2016 is based on estimates provided by C&M Associates, Inc.



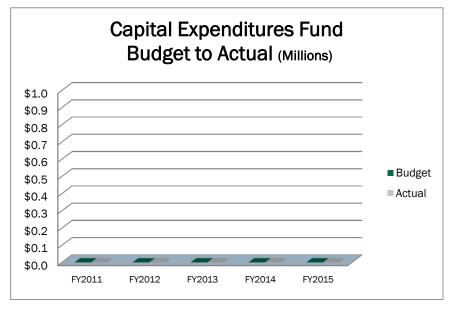
### **Historical Informational Graphs**



**Construction Fund Budget to Actual (Millions)** \$700.0 \$600.0 \$500.0 \$400.0 Budget \$300.0 Actual \$200.0 \$100.0 \$0.0 FY2011 FY2012 FY2013 FY2014 FY2015

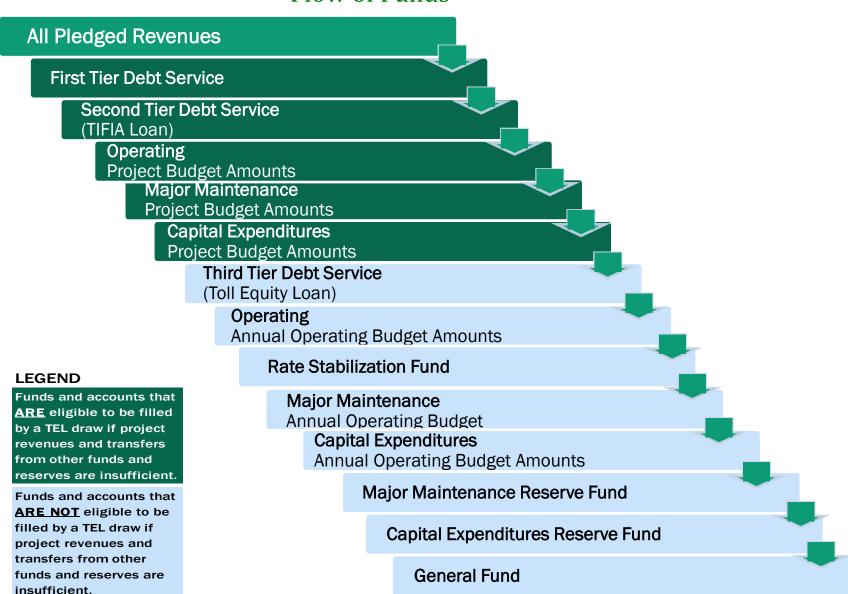
MMF Projects re-evaluated and prioritized through out the year.

FY2011 start of CTP construction.



CEF Projects not scheduled until FY2018

#### Flow of Funds



# MAJOR MAINTENANCE PROJECTS



Special Projects System 24 FY2017 - FY2021 Five-Year Capital Plan

# **Major Maintenance Projects**

Major maintenance and capital replacement projects include repairs and maintenance, painting, renewals, replacements, improvements and other projects necessary for the safe or efficient operation of SPS toll roads or to prevent loss of revenues. These projects are not typically included as part of the normal day-to-day operations but rather should be viewed as part of the overall long-term maintenance of SPS assets. The FY2017 – FY2021 Capital Plan includes \$32.2 million for these projects; \$25.1 million for project costs and \$7.1 million for agency overhead, which includes engineering fees, annual inspection and allocated salaries and benefits.

#### SYSTEMWIDE MAINTENANCE PROJECTS (ROADWAY, BRIDGES, WALLS AND OTHER ASSETS)

NTTA will maintain the SPS assets at the approved TELA project agreement level. Each year after the annual asset condition inspection is completed by the general engineering consultant, individual projects are prioritized and then selected for inclusion into the following fiscal year's budget. The Capital Plan includes \$15.7 million for this category for the next five years, an average of \$3.1 million per year. This amount is completely aligned with the TELA project budget.

#### **CAPITAL REPLACEMENTS**

Capital replacement projects include intelligent transportation and electronic toll collection systems, fiber, dispatch technology and digital messaging travel time sign technology. The Capital Plan includes \$9.1 million for this category, an average of \$1.8 million per year. This amount is completely aligned with the TELA project budget.

#### FLEET AND EQUIPMENT PURCHASES / ADDITIONAL & REPLACEMENTS

NTTA replaces fleet vehicles and equipment at specific intervals based on useful life and necessity. Once purchased, fleet vehicles and equipment are used for ongoing operations and maintenance. The Capital Plan includes \$0.3 million for this category, and it is aligned with the TELA project budget.



# Special Projects System Major Maintenance Fund - 5020 -Project List FY2017 - FY2021 CAPITAL PLAN

Department	Project	Estimated FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	Five Year Total FY2017 - FY2021
Information Technology - (20111)	6100000 - PGBT Western Extension	0	385,821	476,896	1,379,012	1,490,857	0	3,732,586
Information Technology - (20111)	6200000 - Chisholm Trail Parkway	0	0	0	1,219,804	0	4,069,130	5,288,934
	Information Technology Total	0	385,821	476,896	2,598,816	1,490,857	4,069,130	9,021,520
	CARROLL POPULATION OF THE PROPERTY OF THE PROP	2.067.426	0.777 (00	6 4 T 0 T 0	<b>7.7</b> 00.040	0== 0=0	0.640.504	44.004.454
Project Delivery	6100000 - PGBT Western Extension	2,067,426	2,777,603	645,359	7,783,810	977,853	2,649,531	
Project Delivery	6200000 - Chisholm Trail Parkway	751,729	1,121,208	1,029,817	4,247,555	762,820	787,501	7,948,901
	Project Delivery Total	2,819,155	3,898,811	1,675,176	12,031,365	1,740,673	3,437,032	22,783,057
Roadway Safety Services - (20621)	6100000 - PGBT Western Extension	0	0	86,187	0	0	93,494	179,681
Roadway Safety Services - (20621)	6200000 - Chisholm Trail Parkway	0	0	81,606	0	86,156	0	167,762
	Roadway Safety Services Total	0	0	167,793	0	86,156	93,494	347,443
Totals		\$2,819,155	\$4,284,632	\$2,319,865	\$14,630,181	\$3,317,686	\$7,599,656	\$32,152,020
FY2016 Pro	ject Adjustments							
Project Delivery	6200000 - Chisholm Trail Parkway	(77,296)	0	0	0	0	0	0
Roadway Safety Services - (20621)	6200000 - Chisholm Trail Parkway	77,296	0	0	0	0	0	0
Totals		\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total FY2017 - FY2021 Major Main	tenance Project Costs	\$2,819,155	\$4,284,632	\$2,319,865	\$14,630,181	\$3,317,686	\$7,599,656	\$32,152,020

Report contains only project costs.

Changes to projects are color coded. Amounts must be added for total project cost.

Project Delivery	6200000 - Chisholm Trail Parkway	674,433 See page 30.
Roadway Safety Services - (20621)	6200000 - Chisholm Trail Parkway	77,296 See page 32.



Project Type: Technology Project Purpose: Useful Life/Safety/Rehabilitation

Project Title:	Major Maintenance Fund - PG	BTWE	Department (Name/Dept #):	Department (Name/Dept #): Information Technology - (20111)/20111 CIP #: 6100000											
Description:	Capital replacement costs of in	Capital replacement costs of intelligent information,		Roadway (Name/Fund #): PGBT WE-Major Maintenance Fund - (5474)/5474 Purpose Priority: 1											
	electronic toll collection and other infrastructure systems and equipment.		Operational and Maintenance Costs:												
					FY20	FY2017 FY2018		FY2019		FY2020		FY202	21		
			Personnel												
<del> </del>			Supplies Expense												
Justification:	To maintain assets at the Project Agreement level.		Services and Charges												
			Software Annual Support Property Management												
			Totals												
		Budget				Bud	get					Five Year T	otals		
	Project Allocation FY2016		FY2017	FY2018		FY20	019	FY20	20		FY2021	FY2017 - FY	Y2021		
Infrastructure - C	ucture - Other - (541403)		385,821		476,896		1,379,012	1,490,857				3	3,732,586		
Total Allocations	3		385,821		476,896		1,379,012		1,490,857			3	3,732,586		
	Reimbursements														
Total Reimburse													<del>_</del>		
	Source of Funds (1)														
	Distribution from Reserve Funds		385,821		476,896		1,379,012		1,490,857			3	3,732,586		
					.,		7: 2,4:1=		,,				, , ,,,,,,,		
Total Funds			385,821		476.896		1,379,012		1,490,857			3	3,732,586		



Project Type: Technology Project Purpose: Useful Life/Safety/Rehabilitation

Project Title:	Major Maintenance Fund Projec	ts - CTP	Department (Name/Dept #)	Department (Name/Dept #): Information Technology - (20111)/20111								CIP #: 6200000				
Description:	Capital replacement costs of intelligent		Roadway (Name/Fund #): CTP Major Maintenance Fund - (5483)/5483 Purpose Priority: 1													
	transportation, toll collection and			Operational and Maintenance Costs:												
	systems.	Systems.			FY201	<u>17</u>	FY201	FY2019		19 FY2020		FY2021				
			Personnel								-					
			Supplies Exper	ise							-					
Justification:	To maintain CTP assets at the Project Agreement		Services and Cha	arges							-					
	levels.		Software Annual Support													
			Property Manage		<b></b>											
			Totals								-					
		Budget				Bud	get					Five Year Totals				
	Project Allocation FY2016		FY2017	FY2018		FY20	019	FY20	)20		FY2021	FY2017 - FY2021				
Infrastructure - 0	Other - (541403)	1,219,804		4,069,130	5,288,934											
Total Allocations	s						1,219,804		4,069,130		4,069,130	5,288,934				
	Reimbursements															
Total Reimburse	ement Source of Funds (1)															
Distribution from	n Reserve Funds						1,219,804				4,069,130	5,288,934				
Total Funds							1,219,804				4,069,130	5,288,934				



Project Type: Facilities/Roadways Project Purpose: Useful Life/Safety/Rehabilitation

Project Title:	Major Maintenance Fund - PGB	TWE	Department (Name/Dept #):	Project Delivery	· - (20511)	/20511			CIP #: 61	100000			
Description:	Professional, design and construction services to		Roadway (Name/Fund #): PGBT WE-Major Maintenance Fund - (5474)/5474 Purpose Priority: 2										
,	address pavement and bridge re	pairs, pavement	Operational and Maintenance Costs:										
	profiling, erosion mitigation, rest resistance, etc.	riping, skid			<u>FY</u>	2017	FY2018	8 FY2019		FY2020	FY2021		
			Personnel Supplies Expense						-				
								-					
Justification:	ustification: To maintain assets at the Project Agreement level.		Services and Charges Software Annual Support Property Management						-				
									_  _				
			Totals										
			Totals										
		Budget			Г	Buc	dget			Five Year Totals			
Project Allocation		FY2016	FY2017	FY2018		FY2	2019	FY2020		FY2021	FY2017 - FY2021		
Administration (01)		82,964			61,752 87,759			97,693	100,000	432,450			
	ng Fees - (521207)	20,000	· ·		45,000		35,000		55,000		410,000		
General Enginee		75,000	· ·		85,000		90,000		95,000		350,000		
	ss Serv Tech - (521301)	368,589	· ·		153,607		139,877	1	61,056	692,099	1,324,882		
Pavement Markin	<del>•                                    </del>	1,170,873	· ·		300,000						891,000		
	oulders - (522205)		1,568,114				1,444,279		00,000	163,554	3,575,947		
Infrastructure Rd Total Allocations	lway/Hwy/Bridg - (541401)	350,000 2,067,426			645,359		5,986,895 7,783,810		69,104 77,853	1,693,878 2,649,531	7,849,877 14,834,156		
Total Allocations		2,007,420	2,777,003		645,359		7,763,610	<u> </u>	77,653	2,049,531	14,634,136		
	Reimbursements												
Total Reimburser	mont												
	Source of Funds (1)										-		
		0.007.400	0 777 000		0.45,050		7 700 040		77.050	0.040.504	44.004.450		
Distribution from	Reserve Funds	2,067,426	2,777,603		645,359		7,783,810	9	77,853	2,649,531	14,834,156		
Total Funds		2.067.426	2,777,603		645.359		7.783.810	9	77.853	2.649.531	14,834,156		



Project Type: --Project Purpose: --

Project Title:	Major Maintenance Fund Project	s - CTP	Department (Name/Dept #):	CIP#:	CIP #: 6200000									
Description:	Professional, design and constru	ction services to	Roadway (Name/Fund #): CTP Major Maintenance Fund - (5483)/5483 Purpose P									se Priority:		
,	address pavement and bridge re	pairs, pavement	Operational and Maintenance Costs:											
	profiling, erosion mitigation, restr resistance, etc.	iping, skia			<u>FY</u>	2017	FY2018		FY2019	FY2	2020	FY2021		
			Personnel							-	-			
			Supplies Expen	se							-			
Justification:	To maintain CTP assets at the Pr	roject Agreement	Services and Charges								-			
	levels.		Software Annual Support								-			
			Property Manager	• •										
	Rudget		Totals											
			Totals			 Bud	last							
	D All	Budget FY2016	1		1							Five Year Totals		
	Project Allocation		FY2017	FY2018		FY2		FY2020		FY2021		FY2017 - FY2021		
Administration (01)		244,194	, i		95,712		264,899		269,110		226,511	960,466		
Traffic Engineering Fees - (521207)		10,000 25,000			350,000		325,000		60,000			735,000		
	General Engineering - (521213)		· · · · · · · · · · · · · · · · · · ·		35,000		40,000		45,000		50,000	200,000		
	ess Serv Tech - (521301)	395,239	· · · · · · · · · · · · · · · · · · ·		237,980		619,577		388,710		510,990	2,319,231		
Pavement Marki			425,000		311,125							736,125		
Pavement & Sho Total Allocations	oulders - (522205)	674,433	1,121,208		1,029,817		2,998,079 4,247,555	 762.820			 787.501	2,998,079 7,948,901		
Total Allocations		074,433	1,121,200		1,029,017		4,247,555		702,020		767,501	7,946,901		
	Reimbursements													
Total Reimburse	ement													
	Source of Funds (1)													
Distribution from	n Reserve Funds	674,433	1,121,208	-	1,029,817		4,247,555		762,820		787,501	7,948,901		
Total Funds		674,433	1,121,208		1,029,817		4,247,555		762,820		787,501	7,948,901		



Project Type: Equipment Project Purpose: Useful Life/Safety/Rehabilitation

Project Title:	Major Maintenance Fund - PGBT	WE	Department (Name/Dept #):	: Roadway Safety	Services	- (20621)/206	21		CIP	CIP #: 6100000				
Description:	Replacement costs of Roadway Safety Services		Roadway (Name/Fund #): F	iority: 1										
	trucks and equipment.	, , , , , , , , , , , , , , , , , , , ,				Operation	nal and Mair	ntenance Cos	ts:					
					FY2	2017	FY201	8	FY2019		FY2020	FY2021		
			Personnel								-			
				ise							-			
Justification:	To enhance the safety and the travel experience of		Services and Charges							-				
	the customers.		Software Annual Support							-				
			Property Management						-					
			Totals											
					Budg	get					Five Year Totals			
	Project Allocation FY2016		FY2017	FY2018		FY20	)19	FY202	0		FY2021	FY2017 - FY2021		
Vehicles - (5316	21)				86,187					93,494		179,68		
Total Allocations	3				86,187						93,494	179,68		
	Reimbursements													
												-		
												-		
												<u> </u>		
Total Reimburse												-		
	Source of Funds (1)													
Distribution from	Reserve Funds				86,187						93,494	179,68		
					+									
Total Funds					86,187						93,494	179,68		



Project Type: Equipment Project Purpose: Useful Life/Safety/Rehabilitation

Replacement of Roadway Safety and equipment.  To enhance the safety and driving customers.		Personnel Supplies Exper Services and Chi	nse		. ,		ntenance Cos		se Priority: 1		FY2021
and equipment.  To enhance the safety and driving		Supplies Exper		FY							FY2021
	g experiance of the	Supplies Exper		FY:	<u>2017</u> 	FY201	<u>8</u>	FY2019			FY2021
	g experiance of the	Supplies Exper									
	g experiance of the	Services and Cha									
	g experiance of the		arges								
customers.		Software Annual S									
		Software Annual Support									
			Property Management								
		Totals									
	Budget				Buc	lget					Five Year Totals
Project Allocation FY2016		FY2017	FY201	8	FY2	019	FY2020		FY2021		FY2017 - FY2021
icles - (531621) 77			, , , , , , , , , , , , , , , , , , , ,					86,156			167,762
	77,29	96		81,606				86,156			167,762
eimbursements											
											-
nt											
rce of Funds (1)											
serve Funds	77,29	96		81,606				86,156			167,762
	77.00	ne		81,606							167,762
ei ur	imbursements  t tce of Funds (1)	rece of Funds (1)	ject Allocation FY2016 FY2017  77,296 77,296 imbursements	ject Allocation FY2016 FY2017 FY201  77,296  77,296  imbursements	ject Allocation FY2016 FY2017 FY2018  77,296	FY2016	ject Allocation FY2016 FY2017 FY2018 FY2019  77,296 81,606  77,296 81,606  imbursements   rec of Funds (1)  erve Funds 77,296 81,606	ject Allocation FY2016 FY2017 FY2018 FY2019 FY2020  77,296	FY2016	FY2016	FY2016

# CAPITAL EXPENDITURE PROJECTS



# **Capital Expenditure Projects**

Capital expenditure projects include costs of repairs, enlargements, extensions, additions, improvements, reconstruction and replacement of capital assets. In accordance with the TELA Project Agreement, the PGBTWE first widening project construction is scheduled to start FY2019. The PGBTWE second widening project is scheduled to start FY2029.

#### **PGBTWE FIRST WIDENING**

President George Bush Turnpike Western Extension is an approximately 11.5-mile extension of PGBT from SH 183 to I-20. TXDOT constructed SH 161 from SH 183 to I-30 and opened the roadway in phases from FY2009 through FY2010. NTTA constructed Phase 4 of the project, from I-30 to I-20, which was completed in October 2012. The \$23.4 million estimated in FY2017 through FY2021 is for the addition of one main lane in each direction from I-30 to I-20, which is in accordance with the project agreement with TxDOT. The project is scheduled for completion in early FY2021 at a total estimated project construction cost of \$23.4 million. (See map on page 42)



# Special Projects System Capital Expenditures Fund - 5030 -Project List FY2017 - FY2021 CAPITAL PLAN

Department	Project	Estimated FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	Five Year Total FY2017 - FY2021
Project Delivery	6100003 - PGBTWE Widening	0	693,876	1,241,900	5,692,792	13,157,602	2,648,434	23,434,604
	Project Delivery Total	0	693,876	1,241,900	5,692,792	13,157,602	2,648,434	23,434,604
Totals		\$0	\$693,876	\$1,241,900	\$5,692,792	\$13,157,602	\$2,648,434	\$23,434,604

Report contains only project costs and agency overhead.



## Project Detail FY2017 - FY2021 Capital Plan

Project Type: Facilities/Roadways Project Purpose: System/Revenue Growth

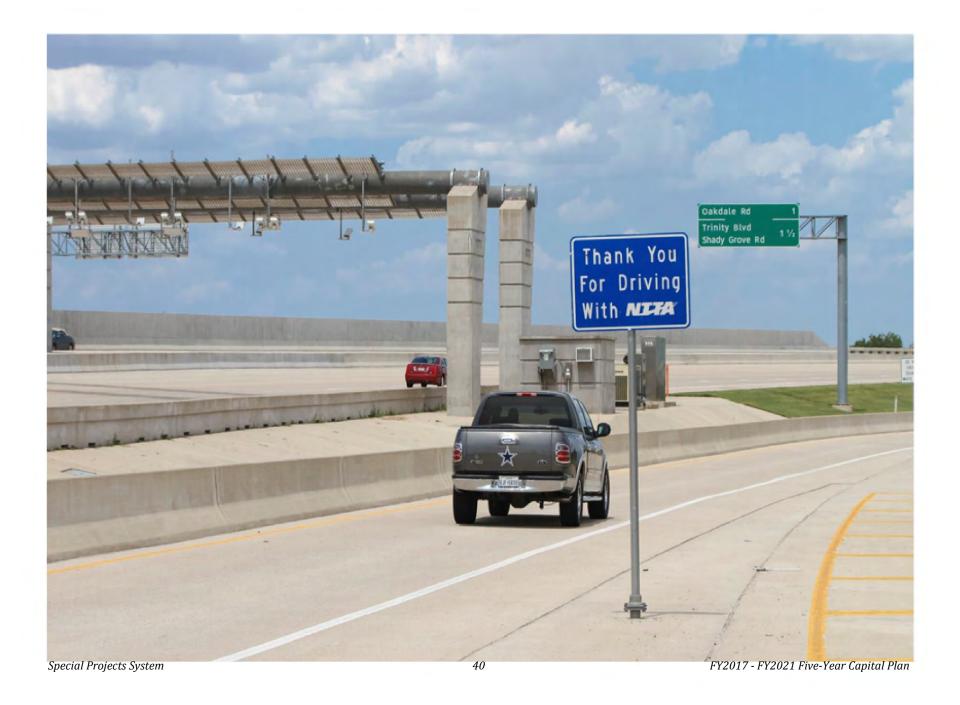
Project Title:	PGBTWE 1st Widening		Department (Name/Dept #):	/Dept #): Project Delivery - (20511)/20511						CIP #: 6100003			
Description:	Approx. 6.5 miles. 12 ft inside sho	oulder in the center	Roadway (Name/Fund #): F	Roadway (Name/Fund #): PGBT WE-Capital Expenditure Fund - (5473)/5473							Purpose Priority: 1		
,	median both directions, IH 30 to I					Operatio	nal and Main	tenance Cost	s:				
					FY	2017	FY2018		FY2019	FY2020	FY2021		
			Personnel										
			Supplies Expen	se									
Justification:	This is the planned widening per		Services and Charges Software Annual Support										
	Loan Agreement. This plan assur in late 2020.	nes: Open to traffic								-			
				Property Management									
			Totals										
		Budget			Budget						Five Year Totals		
	Project Allocation FY2016		FY2017	FY2018	3	FY2	019	FY2020		FY2021	FY2017 - FY2021		
Administration (01)		120,963		190,000		268,667		284,893	107,781	972,304			
Planning (02)			572,913		52,087						625,000		
Design (03)					999,813		310,183		91,666		1,401,662		
Construction (04	)						5,001,442	12	,564,556	2,510,653	20,076,651		
Equipment/Hard	` '						112,500		216,487	30,000	358,987		
Total Allocations			693,876	1	1,241,900		5,692,792	13	,157,602	2,648,434	23,434,604		
	Reimbursements												
Total Reimburse	ment												
	Source of Funds (1)												
Distribution from	Reserve Funds		693,876	1	1,241,900		5,692,792	13	,157,602	2,648,434	23,434,604		
Total Funds			693,876	1	1,241,900		5,692,792	13	,157,602	2,648,434	23,434,604		

(1) Provided by Finance



Special Projects System 38 FY2017 - FY2021 Five-Year Capital Plan

# CONSTRUCTION PROJECTS



# **Construction Projects**

Special Projects System construction consists of non-NTTA System projects. These projects are considered stand-alone projects and do not rely on the NTTA System to fund their operating and maintenance costs. These projects are governed by a separate Trust Agreement and are accounted for on the TxDOT fiscal year, September through August.

#### **CHISHOLM TRAIL PARKWAY**

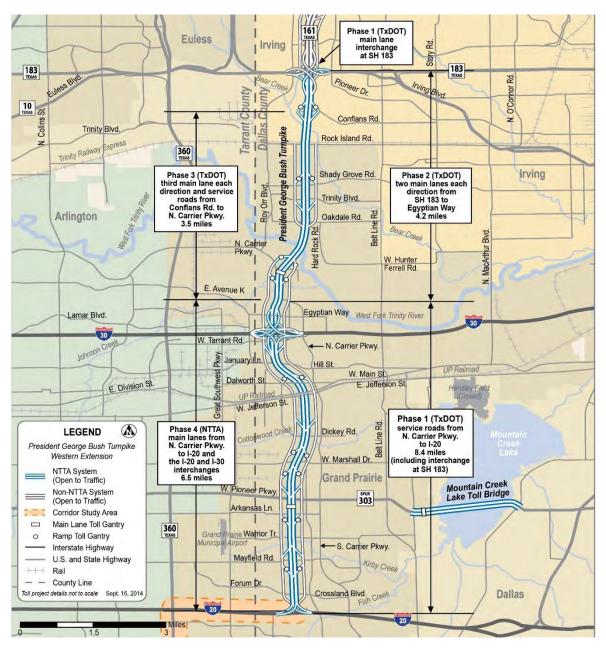
Chisholm Trail Parkway, a 28-mile toll road, is a limited-access toll road in southwest Tarrant and northwest Johnson counties. It extends from Fort Worth's Central Business District to southwest Fort Worth and south to Cleburne. CTP provides an alternate north-south route for I-35W. CTP opened to traffic in May 2014. The FY2017 – FY2021 Capital Plan includes approximately \$6.4 million for completion and finish out work for the project through FY2018.



# **Construction Projects (continued)**

# PRESIDENT GEORGE BUSH TURNPIKE WESTERN EXTENSION

The President George Bush Turnpike Western Extension is an approximately 11.5-mile extension of PGBT from SH 183 to I-20. TXDOT constructed SH 161 from SH 183 to I-30 and opened the roadway in phases from FY2009 through FY2010. NTTA constructed Phase 4 of the project, from I-30 to I-20, which was completed in Oct. 2012. The \$0.2 million estimated in the FY2017 – FY2021 Capital Plan is for minor landscaping and sand stockpile items.



## Special Project Systems Construction Fund - (5040) - Project List FY2017 - FY2021 CAPITAL PLAN



Department	Project	Estimated FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	Five Year Total FY2017 - FY2021
Project Delivery	6100000 - PGBT Western Extension	394,000	187,800	0	0	0	0	187,800
Project Delivery	6200000 - Chisholm Trail Parkway	7,681,000	6,335,000	112,750	0	0	0	6,447,750
	Project Delivery Total	8,075,000	6,522,800	112,750	0	0	0	6,635,550
Totals		\$8,075,000	\$6,522,800	\$112,750	\$0	\$0	\$0	\$6,635,550

#### **FY2016 Project Adjustments**

Project Delivery	6200000 - Chisholm Trail Parkway	5,819,000	0	0	0	0	0	0
Totals		\$5,819,000	\$0	\$0	\$0	\$0	\$0	\$0
Total FY2017 - FY202	21 Major Maintenance Project Costs	\$13,894,000	\$6,522,800	\$112,750	\$0	\$0	\$0	\$6,635,550

Report contains only project costs.

Changes to projects are color coded. Amounts must be added for total project cost.

Project Delivery	6200000 - Chisholm Trail Parkway	13,500,000 See page 45.



## Project Detail FY2017 - FY2021 Capital Plan

Project Type: Facilities/Roadways Project Purpose: System/Revenue Growth

x 11.5 miles, south of SH 1 lan assumes: Landscaping is in 2017.	65 10 111 20.	Roadway (Name/Fund #): P Personnel Supplies Expens	GBT WE-Constru			intenance Cost	s:	se Priority: 1								
lan assumes: Landscaping																
lan assumes: Landscaping s in 2017.	maintenance			FY2017	<u>F</u> Y20	10	Operational and Maintenance Costs:									
lan assumes: Landscaping is in 2017.	maintenance					10	FY2019	FY2020	FY2021							
lan assumes: Landscaping s in 2017.	maintenance	Supplies Expens	Personnel													
lan assumes: Landscaping is in 2017.	maintenance		se													
s in 2017.		Services and Charges														
		Software Annual Support														
		Property Management														
		Totals			-											
	Budget			Budget				Five Year Totals								
Project Allocation FY2016		FY2017 FY2018			FY2019	FY2020	)	FY2021	FY2017 - FY2021							
	144,000	140,500							140,500							
	250,000	0 47,300							47,300							
	394,000	0 187,800							187,800							
sements																
									-							
	-					<del> </del>										
Funds (1)							-		<u> </u>							
	394,000	0 187,800							187,800							
	,	,							,							
				1		1	J		i .							
sei	ments	144,000 250,000 394,000 ments	144,000 140,500 250,000 47,300 394,000 187,800 ments	144,000 140,500 250,000 47,300 394,000 187,800 ments	144,000 140,500 250,000 47,300 394,000 187,800 ments	144,000 140,500	144,000 140,500	144,000 140,500	144,000 140,500							

(1) Provided by Finance



## Project Detail FY2017 - FY2021 Capital Plan

Project Type: Facilities/Roadways Project Purpose: System/Revenue Growth

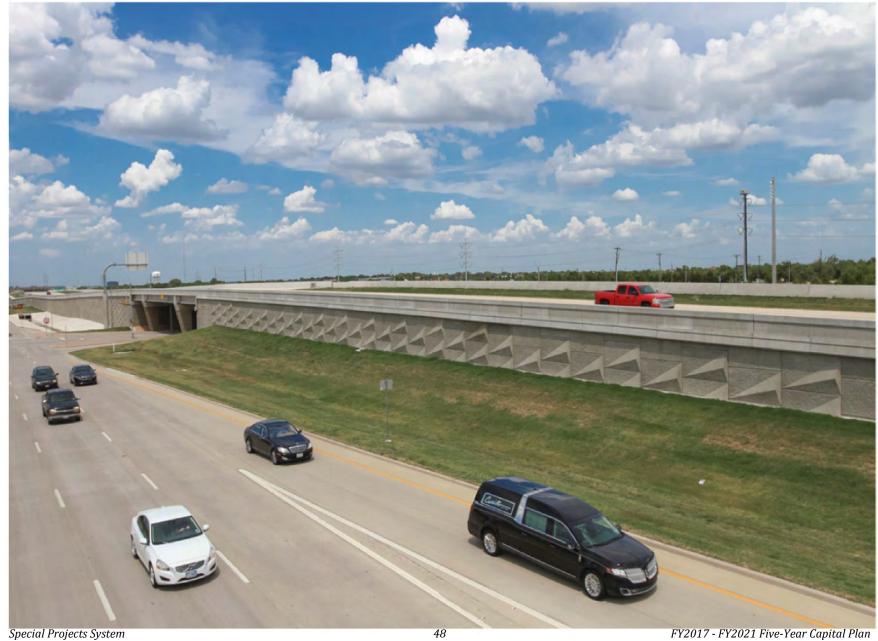
Project Title:	Chisholm Trail Parkway		Department (Name/Dept #)	Project Deliver	y - (20511)	/20511			CIP #:	6200	0000		
Description:	Approx 27.7 miles - IH 30 to US 6	67. IH 30 to	Roadway (Name/Fund #):	Chisolm Trail Par	kway-Con	struc - (5482)	)/5482		Purpo	Purpose Priority: 1			
2 cccp.i.c	Altamesa - Six mainlanes Altame	sa Blvd to FM 1187				Operation	nal and Mai	ntenance Co	osts:				
	<ul> <li>Four mainlanes FM 1187 to US mainlanes.</li> </ul>	6/ - IWO			FY	2017	FY201				FY2020		FY2021
			Personnel										
			Supplies Exper	ise									
Justification:	This plan assumes: ongoing land:		Services and Charges										
	maintenance, and sign improvem	ents.	Software Annual S	•									
		Property Management								_			
			. , .	ment									
		Totals											
		Budget			Budget								Year Totals
	Project Allocation		FY2017	FY2018		FY2	2019	FY2	020	FY2021		FY20	17 - FY2021
Right-of-Way (06)		3,000,00	45,000										45,000
Administration (01)		900,00	500,000		112,750								612,750
Design (03)		31,00	40,000										40,000
Construction (04	4)	9,369,00	5,750,000										5,750,000
Other (176999)		200,00											
Total Allocations	5	13,500,00	6,335,000		112,750							6,447,750	
	Reimbursements												
Total Reimburse	amont												
	Source of Funds (1)												
	. ,												
Bond Proceeds		13,500,00	6,335,000		112,750								6,447,750
Total Funds		13,500,00	6,335,000		112,750								6,447,750

(1) Provided by Finance



Special Projects System 46 FY2017 - FY2021 Five-Year Capital Plan

# **APPENDICES**



# Appendix-A

# **TRUST AGREEMENT**

BY AND BETWEEN

NORTH TEXAS TOLLWAY AUTHORITY

AND

WELLS FARGO BANK, NATIONAL ASSOCIATION,

**SECURING** 

SPECIAL PROJECTS SYSTEM REVENUE OBLIGATIONS

Dated as of April 1, 2011

### ARTICLE IV FUNDS AND ACCOUNTS

**Section 401. Creation of Funds**. In addition to any other funds created by Supplemental Agreement, the following funds are hereby created and amounts deposited therein shall be held in trust by the Trustee until applied as hereinafter directed:

- a) Construction Fund, and within such fund, a CIF Construction Account and a Series 2011 Construction Account;
- b) Revenue Fund;
- c) First Tier Debt Service Fund, and within such fund, a First Tier Interest Account, a First Tier Principal Account and a First Tier Capitalized Interest Account;
- d) Second Tier Debt Service Fund, and within such fund, a Second Tier Interest Account and a Second Tier Principal Account;
- e) Operating Fund, and within such fund, a Project Budget Account and an Annual Operating Budget Account;
- f) Major Maintenance Fund, and within such fund, a Project Budget Account and an Annual Operating Budget Account;
- g) Capital Expenditures Fund, and within such fund, a Project Budget Account and an Annual Operating Budget Account;
- h) Third Tier Debt Service Fund, and within such fund, a Third Tier Interest Account and a Third Tier Principal Account;
- i) Rate Stabilization Fund;
- j) Major Maintenance Reserve Fund;
- k) Capital Expenditures Reserve Fund; and
- l) General Fund, and within such fund, a General Account, a Current Year Revenue Account and a TIFIA Prepayment Account.

In addition, the BANs Construction Fund, and within such fund, a BAN Capitalized Interest Account, are hereby created and amounts deposited therein shall be held in trust by the Trustee until applied as hereinafter directed. The BANs Construction Fund (including the BAN Capitalized Interest Account therein) shall be held by the Trustee in accordance with the terms and provisions of this Trust Agreement, solely for the benefit of the Authority. Amounts on deposit in the BANs Construction Fund shall be used solely for the purposes set forth herein. The BANs Construction Fund shall not be part of the Trust Estate and shall not be security for the Obligations.

## Section 403. Revenue Fund; Agreements With Other Turnpikes.

(a) Deposits to Revenue Fund. The Authority covenants that all Revenues (excepting investment income from all Funds and Accounts other than the Revenue Fund which shall be retained in such Funds and Accounts except as otherwise required to be transferred as provided herein) will be deposited daily, as far as practicable, with the Trustee or in the name of the Trustee with the Depositary to the credit of the Revenue Fund.

(b) Agreement With Other Turnpikes. To the extent now or hereafter authorized by law, the Authority may enter into agreements with any commission, authority or other similar legal body operating a turnpike whether or not connected to the Project (but not with itself or a related entity), for the collection and application of tolls charged for trips over all or a portion of one or more turnpikes, which, on the basis of the revenues to be received by any such agreement, will result in the receipt by the Authority of its allocable portion of such tolls (less fees and expenses associated with such arrangement).

Amounts relating to the Project and received by the Authority from such other commission, authority or other similar legal body or pursuant to the Master Custodial Account Agreement, in accordance with such agreements, shall be deposited with the Trustee for Credit to the Revenue Fund and shall constitute Revenues. Any agreement entered into pursuant to this **Section 403** shall be made available to the Trustee and TxDOT upon their request.

(c) *Flow of Funds*. Except as otherwise provided, transfers from the Revenue Fund shall be made on the fourth Business Day prior to the first day of each month (each such date a "*Transfer Date*").

Transfers shall be made for the below listed purposes or to the credit of the below-listed funds and accounts in the order of priority listed, provided that, if in any prior month the full amount required to be deposited in a fund or account set forth below is not so deposited, then the amount to be deposited into such fund for the current Transfer Date shall include all amounts required to be deposited in any prior month to such fund in accordance with the applicable provisions of this Article IV but not so deposited as of the current Transfer Date (the "Shortfall Amount"). The amount deposited for the current Transfer Date will not include a Shortfall Amount if and to the extent part or all of such Shortfall Amount was transferred to such fund from another fund in accordance with this Article IV or from a draw under the Toll Equity Loan Agreement prior to such Transfer Date. In the event that in any month the Trustee submits a Draw Request under the Toll Equity Loan Agreement pursuant to **Section 420**, and the amount received by the Trustee pursuant to such Draw Request is insufficient to pay all amounts requested in such Draw Request, the Trustee shall apply the amounts received under such Draw Request, first, to any amounts required to be deposited in the First Tier Debt Service Fund on such date pursuant to Section 405, including any Shortfall Amount, second, to any amounts required to be deposited in the Second Tier Debt Service Fund on such date pursuant to Section 406, including any Shortfall Amount, third, to any amounts required to be deposited in the Project Budget Account of the Operating Fund on such date pursuant to Section 407, including any Shortfall Amount, fourth, to any amounts required to be deposited in the Project Budget Account of the Major Maintenance Fund on such date pursuant to Section 408, including any Shortfall Amount, and fifth, to any amounts required to be deposited in the Project Budget Account of the Capital Expenditures Fund on such date pursuant to Section 409, including any Shortfall Amount.

- (1) Payment of arbitrage rebate in accordance with **Section 404**;
- (2) To the First Tier Debt Service Fund, in the amounts specified in **Section 405**;

- (3) To the Second Tier Debt Service Fund, in the amounts specified in **Section 406**;
- (4) To the Project Budget Account of the Operating Fund, in the amounts specified in **Section 407**;
- (5) To the Project Budget Account of the Major Maintenance Fund, in the amounts specified in **Section 408**;
- (6) To the Project Budget Account of the Capital Expenditures Fund, in the amounts specified in **Section 409**;
- (7) To the Third Tier Debt Service Fund, in the amounts specified in **Section 410**;
- (8) To the Annual Operating Budget Account of the Operating Fund, in the amounts specified in **Section 411**;
- (9) To the Rate Stabilization Fund, in the amount specified in **Section 412**;
- (10) To the Annual Operating Budget Account of the Major Maintenance Fund, in the amounts specified in **Section 413**;
- (11) To the Annual Operating Budget Account of the Capital Expenditures Fund, in the amounts specified in **Section 414**;
- (12) To the Major Maintenance Reserve Fund, in an amount specified in **Section 415**;
- (13) To the Capital Expenditures Reserve Fund, in the amount specified in **Section 416**; and
- (14) To the General Fund, in the amount specified in **Section 417**.

**Section 404. Payment of Rebate**. The Authority covenants to calculate and to pay directly to the government of the United States of America all amounts due for payment of "arbitrage rebate" under Section 148(a) of the Code with respect to any Obligations. Nevertheless, the Authority in the future may direct the Trustee to pay arbitrage rebate from amounts held in any fund hereunder for any or all Series of Obligations (which direction shall specify the procedures for collection and payment of amounts due in respect of arbitrage rebate) if (a) required under any amendments to Section 148(a) of the Code or (b) the Authority otherwise determines that the payment of arbitrage rebate is necessary or appropriate.

**Section 405. First Tier Debt Service Fund**. In addition to the accounts established in the First Tier Debt Service Fund specified in **Section 401**, the Authority may direct the Trustee to create additional accounts in the First Tier Debt Service Fund pursuant to a Supplemental Agreement (for the avoidance of doubt, entry into any such Supplemental Agreement shall be subject to the consents required pursuant to **Section 1103**).

On each Transfer Date, after first having made or provided for the payments required by **Section 404** (if applicable), the Trustee shall withdraw from the Revenue Fund and deposit to the First Tier Interest Account and the First Tier Principal Account the amounts required to be deposited therein with respect to First Tier Obligations in accordance with the

Supplemental Agreements authorizing such First Tier Obligations; *provided, however,* that credit shall be given with respect to any such deposits for the amount of any available investment income from investments on deposit in the First Tier Interest Account or the First Tier Principal Account, as applicable; *provided, further,* that so long as accrued investment income or amounts for capitalized interest are available in the First Tier Capitalized Interest Account of the First Tier Debt Service Fund for payment of interest on a Series of First Tier Obligations, such money will first be transferred from the First Tier Capitalized Interest Account to the First Tier Interest Account of the First Tier Debt Service Fund before any transfers from the Revenue Fund are made.

The money in the First Tier Interest Account and First Tier Principal Account shall be held by the Trustee in trust for the benefit of the First Tier Obligations, to the extent the foregoing are payable from such accounts, and, to said extent and pending application, shall be subject to a lien and charge in favor of the owners of the First Tier Obligations until paid out or transferred as hereinafter provided. The Trustee shall withdraw from the First Tier Interest Account and the First Tier Principal Account from time to time and set aside and hold in trust pursuant to **Section 418** sufficient money for paying the interest on and the Principal of the First Tier Obligations as the same shall become due, except to the extent such interest, Principal or other amounts are payable from a fund or account other than the First Tier Debt Service Fund as may be provided in any Supplemental Agreement.

If at the time the Trustee is required to make a deposit into the First Tier Debt Service Fund from the Revenue Fund pursuant to the second paragraph of this **Section 405** the money therein shall not be sufficient for such purpose, or if on the fourth Business Day prior to the date interest on and/or the Principal of and premium on the First Tier Obligations shall become due the money therein shall not be sufficient for such payments, the Trustee shall withdraw the amount of such deficiency from the money on deposit in the following funds or accounts and transfer the same to the First Tier Debt Service Fund in the following order of priority to the extent that funds are available therein: the Revenue Fund, the Current Year Revenue Account of the General Fund, the General Account of the General Fund, the Capital Expenditures Reserve Fund, the Major Maintenance Reserve Fund, the Annual Operating Budget Account of the Capital Expenditures Fund, the Annual Operating Budget Account of the Major Maintenance Fund, the Rate Stabilization Fund, the Annual Operating Budget Account of the Operating Fund and, only upon the occurrence and continuance of an Event of Default, the Project Budget Account of the Capital Expenditures Fund. If, after making such transfers, on the fourth Business Day prior to the date interest on and/or the Principal of and premium on the First Tier Obligations shall become due the money in the First Tier Debt Service Fund is insufficient to make such payment, the Trustee shall make a draw under the Toll Equity Loan Agreement by submitting a Draw Request in accordance with Section 420 in an amount sufficient to satisfy any such shortfall, to the extent that funds are available thereunder. Amounts drawn under the Toll Equity Loan Agreement for the foregoing purpose as described in this **Section 405** shall be deposited by the Trustee directly to the First Tier Debt Service Fund for application as set forth in this Section 405.

**Section 406. Second Tier Debt Service Fund**. In addition to the accounts established in the Second Tier Debt Service Fund specified in **Section 401**, the Authority may instruct the Trustee to create additional accounts in the Second Tier Debt Service Fund pursuant to a Supplemental Agreement (for the avoidance of doubt, entry into any such Supplemental Agreement shall be subject to the consents required pursuant to **Section 1103**).

On each Transfer Date, after first having made or provided for the payments, deposits, and transfers required by **Sections 404** through **405**, the Trustee shall withdraw from the Revenue Fund and deposit to the Second Tier Interest Account and the Second Tier Principal Account the amounts required to be deposited therein with respect to Second Tier Obligations in accordance with the Supplemental Agreements authorizing such Second Tier Obligations; *provided, however*, that credit shall be given with respect to any such deposits for the amount of any available investment income from investments on deposit in the Second Tier Interest Account or the Second Tier Principal Account, as applicable.

The money in the Second Tier Principal Account and the Second Tier Interest Account shall be held by the Trustee in trust for the benefit of the Second Tier Obligations, to the extent the foregoing are payable from such accounts, and, to said extent and pending application, shall be subject to a lien and charge in favor of the owners of the Second Tier Obligations until paid out or transferred as hereinafter provided. The Trustee shall withdraw from the Second Tier Interest Account and the Second Tier Principal Account from time to time and set aside and hold in trust pursuant to **Section 418** sufficient money for paying the interest on and the Principal of the Second Tier Obligations as the same shall become due, except to the extent such interest, Principal or other amounts are payable from a fund or account other than the Second Tier Debt Service Fund as may be provided in any Supplemental Agreement.

If at the time the Trustee is required to make a deposit into the Second Tier Debt Service Fund from the Revenue Fund pursuant to the second paragraph of this **Section 406** the money therein shall not be sufficient for such purpose, or if on the fourth Business Day prior to the date interest on and/or the Principal of and premium on the Second Tier Obligations shall become due the money therein shall not be sufficient for such payments, the Trustee shall withdraw the amount of such deficiency from the money on deposit in the following funds or accounts and transfer the same to the Second Tier Debt Service Fund in the following order of priority to the extent that funds are available therein: the Revenue Fund, the Current Year Revenue Account of the General Fund, the General Account of the General Fund, the Capital Expenditures Reserve Fund, the Major Maintenance Reserve Fund, the Annual Operating Budget Account of the Capital Expenditures Fund, the Annual Operating Budget Account of the Major Maintenance Fund, the Rate Stabilization Fund, the Annual Operating Budget Account of the Operating Fund and, only upon the occurrence and continuance of an Event of Default, the Project Budget Account of the Capital Expenditures Fund. If, after making such transfers, on the fourth Business Day prior to the date interest on and/or the Principal of and premium on the Second Tier Obligations shall become due the money in the Second Tier Debt Service Fund is insufficient to make such payment, the Trustee shall make a draw under the Toll Equity Loan Agreement by submitting a Draw

Request in accordance with **Section 420** in an amount sufficient to satisfy any such shortfall, to the extent that funds are available thereunder; *provided that*, the Trustee shall not include in any such Draw Request interest calculated at the Default Rate (as defined in the TIFIA Loan Agreement) due and owing on the TIFIA Note in an amount in excess of the interest calculated at the stated interest rate on the Second Tier Obligations as set forth in Section 6 of the TIFIA Loan Agreement (such excess amount, the "Default Interest Amount"). Amounts drawn under the Toll Equity Loan Agreement for the foregoing purpose as described in this **Section 406** shall be deposited by the Trustee directly to the Second Tier Debt Service Fund for application as set forth in this Section 406; *provided that*, any Default Interest Amount shall not be paid out of amounts drawn under the Toll Equity Loan Agreement.

**Section 407. Operating Fund—Project Budget Amounts.** On each Transfer Date, after first having made or provided for the payments, deposits, and transfers required by **Sections 404** through **406**, the Trustee shall transfer from the Revenue Fund to the credit of the Project Budget Account of the Operating Fund, on written request of the Authority, an amount which a Board Representative shall certify to be required to make the total amount in the Project Budget Account of the Operating Fund equal to the lesser of (i) one-sixth (1/6) of the amount of the total Operating Expenses scheduled for the then current Fiscal Year in the Project Budget, and (ii) one-sixth (1/6) of the amount of the total Operating Expenses scheduled for the then current Fiscal Year in the then current Annual Operating Budget. If amounts on deposit in the Revenue Fund are insufficient to make such transfer, the Trustee shall transfer amounts held in the following funds in the following order of priority in an amount sufficient to satisfy any such shortfall to the extent that funds are available therein: Current Year Revenue Account of the General Fund, the General Account of the General Fund, the Capital Expenditures Reserve Fund, the Major Maintenance Reserve Fund, the Annual Operating Budget Account of the Capital Expenditures Fund, the Annual Operating Budget Account of the Major Maintenance Fund, the Rate Stabilization Fund, the Annual Operating Budget Account of the Operating Fund and, only upon the occurrence and continuance of an Event of Default, the Project Budget Account of the Capital Expenditures Fund. If there remains a shortfall, the Trustee shall make a draw under the Toll Equity Loan Agreement by submitting a Draw Request in accordance with Section 420 in an amount sufficient to satisfy any such shortfall, to the extent that funds are available thereunder. Amounts drawn under the Toll Equity Loan Agreement for the foregoing purpose described in this **Section 407** shall be deposited by the Trustee directly to the Project Budget Account of the Operating Fund.

At the written direction of the Authority, the Trustee shall disburse funds to the Authority or its designee from the Operating Fund for the payment of Operating Expenses in accordance with the Annual Operating Budget, and the funds from the Operating Fund shall be used for no other purpose; *provided that*, the Authority covenants that in no event shall Revenues be used to pay for Operating Expenses relating to the operation of the Project at standards higher than the Project Agreement Standards. The Trustee shall disburse funds to pay the costs of Operating Expenses first from the Project Budget Account of the Operating Fund and then, to the extent amounts in such account are insufficient, from the Annual Operating Budget Account of the Operating Fund; provided, however, that the Authority shall not instruct the Trustee to, and the Trustee shall

not withdraw from the Operating Fund for payment of Operating Expenses in any Fiscal Year an aggregate amount in excess of the total amount of Operating Expenses provided for in the Annual Operating Budget for such Fiscal Year. In directing disbursements from the Operating Fund, the Authority shall be deemed to be certifying that obligations in the stated amounts have been or will be incurred by the Authority and that each item thereof was or will be properly incurred as an Operating Expense and shall be due and payable no later than 30 days after the Authority directs the Trustee to disburse funds for the payment of such obligation, and has not been paid previously. With each disbursement direction for payment of amounts out of the Operating Fund, the Authority shall either (i) certify to the Trustee that the Annual Operating Budget on file with the Trustee for the then current Fiscal Year has not been amended or supplemented, or (ii) file with the Trustee any amendment or supplement to such Annual Operating Budget.

During an O&M Step-In, the Trustee shall disburse funds to TxDOT or its designee from the Operating Fund (first from the Project Budget Account of the Operating Fund and then, to the extent amounts in such account are insufficient after making the transfers from the other funds and accounts as provided in the first paragraph of this Section 407 and the second paragraph of Section 411, from the Annual Operating Budget Account of the Operating Fund) upon written request of TxDOT to pay Operating Expenses pursuant to, and in accordance with, Section 6.02(d) of the Toll Equity Loan Agreement, provided that (i) disbursements are made for payment of Operating Expenses in accordance with (A) the provisions of this Section 407 (and, with respect to amounts from the Annual Operating Budget Account of the Operating Fund, Section 411), (B) the priorities of any transfers required pursuant to Sections 405 and 406 and (C) the Annual Operating Budget, and (ii) such Operating Expenses have not been the subject of prior transfers out of the Funds and Accounts. Subject to the preceding sentence, should such Operating Expenses amount to more than the total available amount in the Operating Fund (after transfers to the Operating Fund from the other Funds and Accounts pursuant to the first paragraph of this Section 407 and the second paragraph of Section 411) at the time of the request for disbursement and TxDOT pays for such excess costs with funds that are not part of the Trust Estate, then the Trustee shall pay such excess amount to TxDOT upon written request of TxDOT from any future deposits to the Operating Fund not needed to pay current Operating Expenses at the time.

**Section 408. Major Maintenance Fund—Project Budget Amounts**. On each Transfer Date, after first having made or provided for the payments, deposits and transfers required by **Sections 404** through **407**, the Trustee shall, to the extent the transfer from the Major Maintenance Reserve Fund pursuant to **clause (4)** of **Section 415** is insufficient for such purpose, transfer from the Revenue Fund to the credit of the Project Budget Account of the Major Maintenance Fund an amount equal to the lesser of (i) one-twelfth (1/12) of the amount of the total Major Maintenance Expenses scheduled for the then current Fiscal Year in the Project Budget, and (ii) one-twelfth (1/12) of the amount of the total Major Maintenance Expenses scheduled for the then current Fiscal Year in the then current Annual Operating Budget. If amounts on deposit in the Revenue Fund are insufficient to make such transfer, the Trustee shall transfer amounts held in the following funds in the following order of priority in an amount sufficient to satisfy any such shortfall to the extent that funds are available therein: Current Year

Revenue Account of the General Fund, the General Account of the General Fund, the Capital Expenditures Reserve Fund, the Annual Operating Budget Account of the Major Maintenance Fund, the Rate Stabilization Fund, the Annual Operating Budget Account of the Operating Fund and, only upon the occurrence and continuance of an Event of Default, the Project Budget Account of the Capital Expenditures Fund. If there remains a shortfall, the Trustee shall make a draw under the Toll Equity Loan Agreement by submitting a Draw Request in accordance with **Section 420** in an amount sufficient to satisfy any such shortfall, to the extent that funds are available thereunder. Amounts drawn under the Toll Equity Loan Agreement for the foregoing purpose described in this **Section 408** shall be deposited by the Trustee directly to the Major Maintenance Fund.

At the written direction of the Authority, the Trustee shall disburse funds to the Authority or its designee from the Major Maintenance Fund for the payment of Major Maintenance Expenses of the Project in accordance with the Annual Operating Budget, and the funds from the Major Maintenance Fund shall be used for no other purpose; provided that, the Authority covenants that in no event shall Revenues be used to pay for Major Maintenance Expenses relating to the maintenance of the Project at standards higher than the Project Agreement Standards. The Trustee shall disburse funds to pay the costs of Major Maintenance Expenses first from the Project Budget Account of the Major Maintenance Fund and then, to the extent amounts in such account are insufficient, from the Annual Operating Budget Account of the Major Maintenance Fund; provided, however, that the Authority shall not instruct the Trustee to, and the Trustee shall not withdraw from the Major Maintenance Fund for payment of Major Maintenance Expenses in any Fiscal Year an aggregate amount in excess of the total amount of Major Maintenance Expenses provided for in the Annual Operating Budget for such Fiscal Year. In directing disbursements from the Major Maintenance Fund, the Authority shall be deemed to be certifying that obligations in the stated amounts have been or will be incurred by the Authority and that each item thereof was or will be properly incurred as a Major Maintenance Expense and shall be due and payable no later than 30 days after the Authority directs the Trustee to disburse funds for the payment of such obligation, and has not been paid previously. With each disbursement direction for payment of amounts out of the Major Maintenance Fund, the Authority shall either (i) certify to the Trustee that the Annual Operating Budget on file with the Trustee for the then current Fiscal Year has not been amended or supplemented, or (ii) file with the Trustee any amendment or supplement to such Annual Operating Budget.

During an O&M Step-In, the Trustee shall disburse funds to TxDOT or its designee from the Major Maintenance Fund (first from the Project Budget Account of the Major Maintenance Fund and then, to the extent amounts in such account are insufficient after making the transfers from the other funds and accounts as provided in the first paragraph of this **Section 408** and in **Section 413**, from the Annual Operating Budget Account of the Major Maintenance Fund) upon written request of TxDOT to pay Major Maintenance Expenses pursuant to, and in accordance with, Section 6.02(d) of the Toll Equity Loan Agreement, *provided that* (i) disbursements are made for payment of Major Maintenance Expenses in accordance with (A) the provisions of this Section 408 (and, with respect to amounts from the Annual Operating Budget Account of the Major

Maintenance Fund, **Section 413**), (B) the priorities of any transfers required pursuant to **Sections 405**, **406** and **407** and (C) the Annual Operating Budget, and (ii) such Major Maintenance Expenses have not been the subject of prior transfers out of the Funds and Accounts. Subject to the preceding sentence, should such Major Maintenance Expenses amount to more than the total available amount in the Major Maintenance Fund (after transfers to the Major Maintenance Fund from the other Funds and Accounts pursuant to the first paragraph of this **Section 408** and **Section 413**) at the time of the request for disbursement and TxDOT pays for such excess costs with funds that are not part of the Trust Estate, then the Trustee shall pay such excess amount to TxDOT upon written request of TxDOT from any future deposits to the Major Maintenance Fund not needed to pay current Major Maintenance Expenses at the time.

Section 409. Capital Expenditures Fund—Project Budget Amounts. On each Transfer Date, after first having made or provided for the payments, deposits and transfers required by **Sections 404** through **408**, the Trustee shall, to the extent funds are not available in the Construction Fund for payment of Project Capacity Improvements Capital Expenditures for the month after the Transfer Date, and to the extent the transfer from the Capital Expenditures Reserve Fund pursuant to clause (5) of Section 416 is insufficient for such purpose, but only if no Event of Default has occurred and is continuing in accordance with the third paragraph of this Section 409, transfer from the Revenue Fund to the credit of the Project Budget Account of the Capital Expenditures Fund an amount equal to the lesser of (i) the Project Capacity Improvements Capital Expenditures budgeted in the Project Budget for such month, and (ii) the Project Capacity Improvements Capital Expenditures budgeted in the current Fiscal Year's Annual Operating Budget for such month. If amounts on deposit in the Revenue Fund are insufficient to make such transfer, the Trustee shall transfer amounts held in the following funds in the following order of priority in an amount sufficient to satisfy any such shortfall to the extent that funds are available therein, but only if no Event of Default has occurred and is continuing in accordance with the third paragraph of this Section 409: Current Year Revenue Account of the General Fund, the General Account of the General Fund, the Major Maintenance Reserve Fund, the Annual Operating Budget Account of the Capital Expenditures Fund, the Annual Operating Budget Account of the Major Maintenance Fund, the Rate Stabilization Fund and the Annual Operating Budget Account of the Operating Fund. If there remains a shortfall, the Trustee may, at the written direction of the Authority, make a draw under the Toll Equity Loan Agreement by submitting a Draw Request in accordance with Section 420 in an amount sufficient to satisfy any such shortfall, to the extent that funds are available thereunder; provided that the Trustee shall not be entitled to submit a Draw Request to pay any such shortfall so long as the Trustee is prevented from transferring, disbursing or applying funds in the Project Budget Account of the Capital Expenditures Fund as set forth in the third paragraph of this Section 409. Amounts drawn under the Toll Equity Loan Agreement for the foregoing purpose described in this **Section 409** shall be deposited by the Trustee directly to the Capital Expenditures Fund.

At the written direction of the Authority, but only if no Event of Default has occurred and is continuing, the Trustee shall disburse funds to the Authority or its designee from the Capital Expenditures Fund for the payment of Project Capacity

Improvements Capital Expenditures in accordance with the Annual Operating Budget, and the funds from the Capital Expenditures Fund shall be used for no other purpose. The Trustee shall disburse funds to pay the costs of Project Capacity Improvements Capital Expenditures first from funds available in the Construction Fund for payment of such Project Capacity Improvements Capital Expenditures, next from the Project Budget Account of the Capital Expenditures Fund if such amounts are available for such purpose in accordance with this Section 409 and then, to the extent amounts in such account are insufficient, from the Annual Operating Budget Account of the Capital Expenditures Fund if such amounts are available for such purpose in accordance with **Section 414**; provided, however, that the Authority shall not instruct the Trustee to, and the Trustee shall not withdraw from the Capital Expenditures Fund for payment of Capital Expenditures in any Fiscal Year an aggregate amount in excess of the total amount of Capital Expenditures provided for in the Annual Operating Budget for such Fiscal Year. In directing disbursements from the Capital Expenditures Fund, the Authority shall be deemed to be certifying that obligations in the stated amounts have been or will be incurred by the Authority and that each item thereof was or will be properly incurred as a Project Capacity Improvements Capital Expenditure and shall be due and payable no later than 30 days after the Authority directs the Trustee to disburse funds for the payment of such obligation and has not been paid previously: provided in no event shall the Authority direct the Trustee to use Revenues to pay for Project Capacity Improvements Capital Expenditures relating to the Project at standards higher than the Project Agreement Standards. With each disbursement direction for payment of amounts out of the Capital Expenditures Fund, the Authority shall either (i) certify to the Trustee that the Annual Operating Budget on file with the Trustee for the then current Fiscal Year has not been amended or supplemented. or (ii) file with the Trustee any amendment or supplement to such Annual Operating Budget.

Notwithstanding the foregoing paragraphs of this **Section 409**, if the Trustee is notified as to the occurrence and continuance of an Event of Default by the Controlling Creditor for any Event of Default other than a TIFIA Loan Agreement Default or the TIFIA Lender with respect to any TIFIA Loan Agreement Default (or any of the Controlling Creditor and the TIFIA Lender in the event that the Event of Default is both a TIFIA Loan Agreement Default and an Event of Default hereunder other than that described in **Section 802(e)**), then the Trustee shall not transfer, disburse or apply funds from the Project Budget Account of the Capital Expenditures Fund in accordance with the direction of the Authority as provided in the foregoing paragraphs of this **Section 409** until such time that written notice is provided to the Trustee by the Controlling Creditor for any Event of Default other than a TIFIA Loan Agreement Default or the TIFIA Lender with respect to any TIFIA Loan Agreement Default (or both the Controlling Creditor and the TIFIA Lender in the event that the Event of Default is both a TIFIA Loan Agreement Default and an Event of Default hereunder other than that described in **Section 802(e)**) that such Event of Default has been waived or cured to its satisfaction or that the Trustee otherwise may release funds from the Project Budget Account of the Capital Expenditures Fund for the payment of any part or all of the Project Capacity Improvements Capital Expenditures that would have been payable in accordance with the preceding paragraphs of this **Section 409** had there been no such Event of Default; provided, however, that during the continuance of such Event of Default, amounts on

deposit in the Project Budget Account of the Capital Expenditures Fund shall be transferred by the Trustee on the Transfer Date for the following purposes in the following order of priority:

- 1) to the First Tier Debt Service Fund to cure any deficiency therein in accordance with **Section 405**;
- 2) to the Second Tier Debt Service Fund to cure any deficiency therein in accordance with **Section 406**;
- 3) to the Project Budget Account of the Operating Fund to cure any deficiency therein in accordance with **Section 407**; and
- 4) to the Project Budget Account of the Major Maintenance Fund to cure any deficiency therein in accordance with **Section 408**.

During a Construction Step-In, if amounts on deposit in the Construction Fund and the BANs Construction Fund are insufficient to satisfy the disbursements permitted to TxDOT pursuant to Section 402(m) and the amounts in the General Fund transferred in accordance with the third to the last paragraph of Section 417 are insufficient to satisfy such disbursements, the Trustee shall transfer amounts held in the Capital Expenditures Fund (first from the Project Budget Account of the Capital Expenditures Fund, and then, to the extent amounts in such account are insufficient after making the transfers from the other funds and accounts as provided in the first paragraph of this Section 409 (without regard to the existence of any Event of Default) and the second paragraph of **Section 414** (without regard to the existence of any Event of Default), from the Annual Operating Budget Account of the Capital Expenditures Fund) to TxDOT in an amount sufficient to satisfy any such shortfall. Such transfer shall be made only if all of the conditions and requirements for disbursements pursuant to **Section 402(m)** are satisfied as if such disbursements were payments from the Construction Fund or the BANs Construction Fund in accordance therewith. If at the time that TxDOT delivers a request to the Trustee pursuant to **Section 402(m)**, the documented Costs of the Project for which disbursement is sought by TxDOT amount to more than the total available in the Construction Fund and BANs Construction Fund, the General Fund and the Capital Expenditures Fund (after transfer of all available amounts in the Capital Expenditures Reserve Fund) collectively at the time of the request for disbursement and TxDOT pays for such excess costs with funds that are not part of the Trust Estate, then the Trustee shall transfer to TxDOT at its written request such excess amount from any future deposits into the Capital Expenditures Fund (to the extent that deposits to the General Fund are unavailable for such purpose), subject to the limitations of **Section 402(m)**.

During an O&M Step-In, the Trustee shall disburse funds to TxDOT or its designee from the Capital Expenditures Fund (first from the Project Budget Account of the Capital Expenditures Fund and then, to the extent amounts in such account are insufficient after making the transfers from the other funds and accounts as provided in the first paragraph of this **Section 409** and the second paragraph of **Section 414**, from the Annual Operating Budget Account of the Capital Expenditures Fund) upon written request of TxDOT to pay Operating Expenses and Major Maintenance Expenses pursuant to, and in accordance with, Section 6.02(d) of the Toll Equity Loan Agreement, *provided that* (i) funds in the Operating Fund and the

Major Maintenance Fund are insufficient for such purposes in accordance with the last paragraph of **Section 407** and **Section 408**, respectively, (ii) disbursements are made for payment of such expenses in accordance with (A) the provisions of this **Section 409** (and, with respect to amounts from the Annual Operating Budget Account of the Capital Expenditures Fund, Section 414), (B) the priorities of any transfers required pursuant to **Sections 405**, **406**, **407** and **408** and (C) the Annual Operating Budget, and (iii) such expenses have not been the subject of prior transfers out of the Funds and Accounts. Subject to the preceding sentence, should such expenses amount to more than the total available amount in the Capital Expenditures Fund (after transfers to the Capital Expenditures Fund from the other Funds and Accounts pursuant to the first paragraph of this **Section 409** and **Section 414**) at the time of the request for disbursement and TxDOT pays for such excess costs with funds that are not part of the Trust Estate, then the Trustee shall pay such excess amount to TxDOT upon written request of TxDOT from any future deposits to the Capital Expenditures Fund not needed to pay current Capital Expenditures at the time.

**Section 410. Third Tier Debt Service Fund.** On each Transfer Date, and provided no Third Tier Subordination Event has occurred and is continuing, after first having made or provided for the payments, deposits and transfers required by **Sections 404** through **409**, but subject to the provisions of **Section 214**, the Trustee shall transfer from the Revenue Fund to the applicable account in the Third Tier Debt Service Fund the amounts due in respect of Third Tier Obligations in accordance with the terms specified herein or in the Supplemental Agreement authorizing such Third Tier Obligations.

The money in the Third Tier Principal Account and the Third Tier Interest Account shall be held by the Trustee in trust for the benefit of the Third Tier Obligations, to the extent the foregoing are payable from such accounts, and, to said extent and pending application, shall be subject to a lien and charge in favor of the owners of the Third Tier Obligations until withdrawn to pay Principal of and interest on the Third Tier Obligations. Subject to the provisions of **Section 214**, the Trustee shall withdraw from the Third Tier Interest Account and the Third Tier Principal Account from time to time and set aside and hold in trust pursuant to **Section 418** sufficient money for paying the interest on and the Principal of the Third Tier Obligations as the same shall become due.

If at the time the Trustee is required to make a withdrawal from the Third Tier Debt Service Fund the money therein shall not be sufficient for such purpose, the Trustee shall, subject to **Section 214**, withdraw the amount of such deficiency from the money on deposit in the following funds or accounts and transfer the same to the Third Tier Debt Service Fund in the following order of priority to the extent that funds are available therein: Current Year Revenue Account of the General Fund, the General Account of the General Fund, the Capital Expenditures Reserve Fund, the Major Maintenance Reserve Fund, the Annual Operating Budget Account of the Major Maintenance Fund, Rate Stabilization Fund and the Annual Operating Budget Account of the Operating Fund.

**Section 411. Operating Fund—Annual Operating Budget Amounts**. On each Transfer Date, after first having made or provided for the payments, deposits and transfers required by **Sections 404** through **410**, the Trustee shall transfer from

the Revenue Fund to the credit of the Annual Operating Budget Account of the Operating Fund, on written request of the Authority, an amount which a Board Representative shall certify to be required to make the total amount in the Annual Operating Budget Account of the Operating Fund equal to one-sixth (1/6) of an amount equal to the excess, if any, of the amount reflected in the current Fiscal Year's Annual Operating Budget for Operating Expenses for such Fiscal Year over the amount reflected in the Project Budget for Operating Expenses for such Fiscal Year and money in this account shall be used as provided under **Section 407**; *provided* the Authority covenants that in no event shall Revenues be used to pay for Operating Expenses relating to the operation of the Project at standards higher than the Project Agreement Standards.

If amounts on deposit in the Revenue Fund are insufficient to make such transfer, the Trustee shall transfer amounts held in the following funds in the following order of priority in an amount sufficient to satisfy any such shortfall to the extent that funds are available therein: Current Year Revenue Account of the General Fund, the General Account of the General Fund, the Capital Expenditures Reserve Fund, the Major Maintenance Reserve Fund, the Annual Operating Budget Account of the Major Maintenance Fund. The Authority covenants that if, after transferring amounts as specified in the preceding sentence, actual Operating Expenses in any month are either (i) in excess of amounts on deposit in the Operating Fund and in excess of the amount contained in the Project Budget for Operating Expenses for such month or (ii) in excess of the amount required to operate the Project according to the Project Agreement Standards, it will cause an amount sufficient to make up any such shortfall to be transferred to the Operating Fund from other lawfully available funds of the Authority, but in no event from the Rate Stabilization Fund or any other account in the Trust Estate.

**Section 412. Rate Stabilization Fund.** The Authority shall deposit on the PGBT WE Closing Date the amount of the Rate Stabilization Fund Requirement as of the PGBT WE Closing Date from the proceeds of the issuance of the Series 2011 BANs. On any SWP/CT Closing Date, the Authority shall deposit, from proceeds of Additional Obligations issued in connection with the SWP/CT Project or from funds not part of the Trust Estate, an amount necessary to cause the Rate Stabilization Fund to be increased, if and to the extent necessary, so that the Rate Stabilization Fund will contain an amount equal to the Rate Stabilization Fund Requirement as of such date. After the PGBT WE Closing Date or any SWP/CT Closing Date, and after first having made or provided for the payments, deposits, and transfers required by **Sections 404** through **411**, the Trustee shall transfer from the Revenue Fund to the credit of the Rate Stabilization Fund amounts sufficient to accumulate an amount equal to the Rate Stabilization Fund Requirement, or to restore the balance in the Rate Stabilization Fund to an amount equal to the Rate Stabilization Fund Requirement.

Amounts on deposit in the Rate Stabilization Fund shall be transferred by the Trustee to (a) the First Tier Debt Service Fund or the Second Tier Debt Service Fund to cure a deficiency therein, (b) the Project Budget Account of the Operating Fund in any month to cure a deficiency in the amount to be deposited therein pursuant to **Section 407**, (c) the Project Budget

Account of the Major Maintenance Fund in any month to cure a deficiency in the amount to be deposited therein pursuant to **Section 408**, (d) the Project Budget Account of the Capital Expenditures Fund in any month to cure a deficiency in the amount to be deposited therein pursuant to **Section 409** unless an Event of Default has occurred and is continuing in accordance with the last paragraph of **Section 409**, (e) the Third Tier Debt Service Fund to cure any deficiency therein, or (f) to be applied to the redemption or defeasance of any First Tier Obligations, Second Tier Obligations and Third Tier Obligations (to the extent such Obligations are Outstanding) in the event of an optional redemption of 100% of the First Tier Obligations, Second Tier Obligations and the Third Tier Obligations. In the event that the amounts on deposit in the Rate Stabilization Fund exceed the Rate Stabilization Fund Requirement, the Trustee shall transfer such excess to the Revenue Fund.

Section 413. Major Maintenance Fund—Annual Operating Budget Amounts. On each Transfer Date, after first having made or provided for the payments, deposits and transfers required by **Sections 404** through **412**, the Trustee shall, to the extent the transfer from the Major Maintenance Reserve Fund pursuant to clause (8) of Section 415 is insufficient for such purpose, transfer from the Revenue Fund to the credit of the Annual Operating Budget Account of the Major Maintenance Fund an amount equal to the excess, if any, of one-twelfth (1/12) of the amount reflected in the current Fiscal Year's Annual Operating Budget for Major Maintenance Expenses for such Fiscal Year over one-twelfth (1/12) of the amount reflected in the Project Budget for Major Maintenance Expenses for such Fiscal Year and money in this account shall be used as provided under **Section 408**; provided the Authority covenants that in no event shall Revenues be used to pay for Major Maintenance Expenses relating to the maintenance of the Project at standards higher than Project Agreement Standards. If amounts on deposit in the Revenue Fund are insufficient to make such transfer, the Trustee shall transfer amounts held in the following funds in the following order of priority in an amount sufficient to satisfy any such shortfall to the extent that funds are available therein: Current Year Revenue Account of the General Fund, the General Account of the General Fund, the Capital Expenditures Reserve Fund and the Annual Operating Budget Account of the Capital Expenditures Fund. The Authority covenants that if, after transferring the amounts as specified in the preceding sentence, actual Major Maintenance Expenses in any month are in excess of amounts on deposit in the Major Maintenance Fund and in excess of the amount contained in the Project Budget for Major Maintenance Expenses for such month it will cause an amount sufficient to make up any such shortfall to be transferred to the Major Maintenance Fund from other lawfully available funds of the Authority, but in no event from the Rate Stabilization Fund or any other account in the Trust Estate.

**Section 414. Capital Expenditures Fund—Annual Operating Budget Amounts.** On each Transfer Date, after first having made or provided for the payments, deposits and transfers required by **Sections 404** through **413**, the Trustee shall, to the extent funds are not available in the Construction Fund for payment of Project Capacity Improvements Capital Expenditures for the month after the Transfer Date, and to the extent the transfer from the Capital Expenditures Reserve Fund pursuant to **clause (9)** of **Section 416** is insufficient for such purpose, but only if no Event of Default has occurred and is continuing in accordance with the last paragraph of this **Section 414**, transfer from the Revenue Fund to the credit of the

Annual Operating Budget Account of the Capital Expenditures Fund an amount equal to the excess, if any, of the amount reflected in the current Fiscal Year's Annual Operating Budget for Project Capacity Improvements Capital Expenditures for such month over the amount reflected in the Project Budget for Project Capacity Improvements Capital Expenditures for such month and money in this account shall be used as provided under **Section 409**; provided that, the Authority covenants that in no event shall Revenues be used to pay for Project Capacity Improvements Capital Expenditures relating to the Project at standards higher than the Project Agreement Standards. If amounts on deposit in the Revenue Fund are insufficient to make such transfer, and unless an Event of Default has occurred and is continuing in accordance with the last paragraph of this **Section 414**, the Trustee shall transfer amounts held in the following funds in the following order of priority in an amount sufficient to satisfy any such shortfall to the extent that funds are available therein: Current Year Revenue Account of the General Fund, the General Account of the General Fund and the Major Maintenance Reserve Fund. The Authority covenants that if, after transferring the amounts as specified in the preceding sentence, actual Project Capacity Improvements Capital Expenditures Fund and in excess of the amount contained in the Project Budget for Project Capacity Improvements Capital Expenditures for such month, it will cause an amount sufficient to make up any such shortfall to be transferred to the Capital Expenditures Fund from other lawfully available funds of the Authority, but in no event from the Rate Stabilization Fund or any other account in the Trust Estate.

Notwithstanding the foregoing paragraph of this **Section 414**, if the Trustee is given written notice as to the occurrence and continuance of an Event of Default by (i) the Controlling Creditor for any Event of Default other than a TIFIA Loan Agreement Default or (ii) the TIFIA Lender with respect to any TIFIA Loan Agreement Default (or any of the Controlling Creditor and the TIFIA Lender in the event that the Event of Default is both a TIFIA Loan Agreement Default and an Event of Default hereunder other than that described in **Section 802(e)**), then the Trustee shall not transfer funds from other accounts into the Annual Operating Budget Account of the Capital Expenditures Fund for any shortfalls as provided in the preceding paragraph of this **Section 414** or transfer, disburse or apply funds from the Annual Operating Budget Account of the Capital Expenditures Fund in accordance with the direction of the Authority as provided in the foregoing paragraph of this Section 414 until such time that written notice is provided to the Trustee by the Controlling Creditor for any Event of Default other than a TIFIA Loan Agreement Default or the TIFIA Lender with respect to any TIFIA Loan Agreement Default (or both the Controlling Creditor and the TIFIA Lender in the event that the Event of Default is both a TIFIA Loan Agreement Default and an Event of Default hereunder other than that described in **Section 802(e)**) that such Event of Default has been waived or cured to its satisfaction or that the Trustee otherwise may release funds from the Annual Operating Budget Account of the Capital Expenditures Fund for the payment of any part or all of the Project Capacity Improvements Capital Expenditures that would have been payable in accordance with the preceding paragraphs of this **Section 414** had there been no such Event of Default; provided, however, that during the continuance of such Event of Default, amounts on deposit in the Project Budget Account of the Capital Expenditures Fund shall be transferred by the Trustee on the Transfer Date for the following purposes in the following order of priority:

- 1) to the First Tier Debt Service Fund to cure any deficiency therein in accordance with **Section 405**;
- 2) to the Second Tier Debt Service Fund to cure any deficiency therein in accordance with **Section 406**;
- 3) to the Project Budget Account of the Operating Fund to cure any deficiency therein in accordance with **Section 407**; and
- 4) to the Project Budget Account of the Major Maintenance Fund to cure any deficiency therein in accordance with **Section 408**.

**Section 415. Major Maintenance Reserve Fund**. On each Transfer Date, after first having made or provided for the payments, deposits and transfers required by **Sections 404** through **414**, the Trustee shall transfer from the Revenue Fund to the Major Maintenance Reserve Fund an amount sufficient to cause the balance in the Major Maintenance Reserve Fund to be equal to the Major Maintenance Reserve Requirement.

Amounts on deposit in the Major Maintenance Reserve Fund shall be transferred by the Trustee on each Transfer Date for the following purposes in the following order of priority:

- 1) to the First Tier Debt Service Fund to cure any deficiency therein;
- 2) to the Second Tier Debt Service Fund to cure any deficiency therein;
- 3) to the Project Budget Account of the Operating Fund in any month to cure deficiencies in the amounts to be deposited therein pursuant to **Section 407**;
- 4) to the Project Budget Account of the Major Maintenance Fund each month an amount equal to the lesser of (i) one-twelfth (1/12) of the amount of the total Major Maintenance Expenses scheduled for the then current Fiscal Year in the Project Budget, and (ii) one-twelfth (1/12) of the amount of the total Major Maintenance Expenses scheduled for the then current Fiscal Year in the then current Annual Operating Budget;
- 5) to the Project Budget Account of the Capital Expenditures Fund in any month to cure deficiencies in the amounts to be deposited therein pursuant to **Section 409**;
- 6) to the Third Tier Debt Service Fund to cure any deficiency therein;
- 7) to the Annual Operating Budget Account of the Operating Fund in any month to cure deficiencies in the amounts to be deposited therein pursuant **Section 411**;
- 8) to the Annual Operating Budget Account of the Major Maintenance Fund each month an amount equal to the excess, if any, of one-twelfth (1/12) of the amount reflected in the current Fiscal Year's Annual Operating Budget for Major Maintenance Expenses for such Fiscal Year over one-twelfth (1/12) of the amount reflected in the Project Budget for Major Maintenance Expenses for such Fiscal Year; and

9) to the Annual Operating Budget Account of the Capital Expenditures Fund in any month to cure deficiencies in the amounts to be deposited therein pursuant to **Section 414**.

In the event that the amounts on deposit in the Major Maintenance Reserve Fund exceed the amounts required to be held therein, the Trustee shall transfer such excess to the Revenue Fund.

**Section 416. Capital Expenditures Reserve Fund**. On each Transfer Date, after first having made or provided for the payments, deposits and transfers required by **Sections 404** through **415**, the Trustee shall transfer from the Revenue Fund to the Capital Expenditures Reserve Fund an amount sufficient to cause the balance in the Capital Expenditures Reserve Fund to be equal to the Capital Expenditures Reserve Requirement.

Amounts on deposit in the Capital Expenditures Reserve Fund shall be transferred by the Trustee on each Transfer Date for the following purposes in the following order of priority:

- 1) to the First Tier Debt Service Fund to cure any deficiency therein;
- 2) to the Second Tier Debt Service Fund to cure any deficiency therein;
- 3) to the Project Budget Account of the Operating Fund in any month to cure deficiencies in the amounts to be deposited therein pursuant to **Section 407**;
- 4) to the Project Budget Account of the Major Maintenance Fund in any month to cure deficiencies in the amounts to be deposited therein pursuant to **Section 408**;
- 5) to the Project Budget Account of the Capital Expenditures Fund each month an amount equal to the lesser of (i) the Project Capacity Improvements Capital Expenditures budgeted in the Project Budget for such month, and (ii) the Project Capacity Improvements Capital Expenditures budgeted in the current Fiscal Year's Annual Operating Budget for such month, subject to the provisions of **Section 409**; *provided that* during a Construction Step-In the amount to be transferred to the Project Budget Account of the Capital Expenditures Fund each month shall be the amount requested by TxDOT to pay Costs of the Project pursuant to the penultimate paragraph of **Section 409**;
- 6) to the Third Tier Debt Service Fund to cure any deficiency therein;
- 7) to the Annual Operating Budget Account of the Operating Fund in any month to cure deficiencies in the amounts to be deposited therein pursuant to **Section 411**;
- 8) to the Annual Operating Budget Account of the Major Maintenance Fund in any month to cure deficiencies in the amounts to be deposited therein pursuant to **Section 413**; and
- 9) to the Annual Operating Budget Account of the Capital Expenditures Fund each month an amount equal to the excess, if any, of the amount reflected in the current Fiscal Year's Annual Operating Budget for Project Capacity

Improvements Capital Expenditures for such month over the amount reflected in the Project Budget for Project Capacity Improvements Capital Expenditures for such month, subject to the provisions of **Section 414**.

In the event that the amounts on deposit in the Capital Expenditures Reserve Fund exceed the amounts required to be held therein, the Trustee shall transfer such excess to the Revenue Fund.

**Section 417. General Fund**. On each Transfer Date, after first having made or provided for the payments, deposits and transfers provided by **Sections 404** through **416**, the Trustee shall transfer from the Revenue Fund to the credit of the Current Year Revenue Account of the General Fund all remaining Revenues.

Prior to the TIFIA Note Prepayment Start Date, amounts on deposit in the Current Year Revenue Account shall be transferred by the Trustee to the General Account on the same day such amounts are deposited in the Current Year Revenue Account.

On and after the TIFIA Note Prepayment Start Date, amounts on deposit in the Current Year Revenue Account shall be transferred by the Trustee to (a) the First Tier Debt Service Fund or the Second Tier Debt Service Fund to cure any deficiency therein, (b) the Operating Fund, the Major Maintenance Fund and the Capital Expenditures Fund in any month to cure deficiencies in the amounts to be deposited therein, all pursuant to and in the order specified in **Sections 407**, **408**, **409**, **411**, **413** and **414**, (c) subject to **Section 214**, the Third Tier Debt Service Fund to cure any deficiency therein pursuant to **Section 416**, (d) the Major Maintenance Reserve Fund to cure any deficiency therein pursuant to **Section 416**, or (f) upon the written direction of a Board Representative, the First Tier Debt Service Fund or the Second Tier Debt Service Fund, as applicable, to redeem or defease First Tier Obligations and Second Tier Obligations pro rata based on the Principal amount of the Outstanding First Tier Obligations and the Outstanding Second Tier Obligations.

On and after the TIFIA Note Prepayment Start Date, on the last Business Day of each Fiscal Year (the "General Fund Transfer Date"), the Trustee shall transfer the funds in the Current Year Revenue Account for the following purposes and in the following order of priority:

- 1) to the General Account in an amount sufficient to cause the balance of unencumbered funds in the General Account to equal the amount required to be paid to TxDOT on the first day of the following Fiscal Year pursuant to the last paragraph of Section 2.06 of the Toll Equity Loan Agreement; and
- 2) of the funds remaining in the Current Year Revenue Account after the transfer pursuant to clause (1) above, one-half to the General Account and one-half to the TIFIA Prepayment Account.

Amounts on deposit in the General Account shall be transferred by the Trustee to (a) the First Tier Debt Service Fund or the Second Tier Debt Service Fund to cure any deficiency therein, (b) the Operating Fund, the Major Maintenance Fund and the

Capital Expenditures Fund in any month to cure deficiencies in the amounts to be deposited therein, all pursuant to and in the order specified in **Sections 407**, **408**, **409**, **411**, **413** and **414**, (c) subject to **Section 214**, the Third Tier Debt Service Fund to cure any deficiency therein, (d) the Major Maintenance Reserve Fund to cure any deficiency therein pursuant to **Section 415**, (e) the Capital Expenditures Reserve Fund to cure any deficiency therein pursuant to **Section 416**, or (f) upon the direction of a Board Representative, the First Tier Debt Service Fund or the Second Tier Debt Service Fund to redeem or defease any First Tier Obligations or Second Tier Obligations.

On any date, whether prior to, on or after the TIFIA Note Prepayment Start Date, unless there is an occurrence and continuance of an Event of Default, amounts on deposit in the Current Year Revenue Account and the General Account may also be transferred by the Trustee to the Authority or its designee (a) to pay or secure bonds, notes or other obligations of the Authority issued to finance Costs of the Project (other than Costs for the initial construction of the Project) to the extent permitted by the TIFIA Lender consent delivered pursuant to **Section 708(b)**, or (b) to pay or reimburse the Authority for Operating Expenses, Major Maintenance Expenses and Project Capacity Improvements Capital Expenditures under the current or any previous Annual Operating Budgets with respect to operating, maintaining or improving the Project to the Project Agreement Standards to the extent such payments were payable pursuant to the terms of this Trust Agreement but instead were paid by the Authority from funds available to it outside of the Trust Estate because of an insufficiency of funds available for such payments in the relevant Funds and Accounts at such time, but in no event will the Authority be reimbursed for expenses incurred in operating, maintaining or improving the Project to standards higher than Project Agreement Standards, provided that there are no amounts due and owing to TxDOT under the Toll Equity Loan, and that such Operating Expenses, Major Maintenance Expenses and Project Capacity Improvements Capital Expenditures are not the subject of a dispute between the Authority and TxDOT regarding compliance with the Toll Equity Loan Agreement requirements, or, if subject to such a dispute, that such dispute has been resolved but only to the extent and in the amount provided in favor of the Authority; provided further, that if the Trustee is notified as to the occurrence and continuance of an Event of Default by the Controlling Creditor for any Event of Default other than a TIFIA Loan Agreement Default or the TIFIA Lender with respect to any TIFIA Loan Agreement Default (or any of the Controlling Creditor and the TIFIA Lender in the event that the Event of Default is both a TIFIA Loan Agreement Default and an Event of Default hereunder other than that described in Section 802(e)), then the Trustee shall not so transfer, disburse or apply funds from the Current Year Revenue Account or the General Account in accordance with the direction of the Authority under this paragraph until such time that notice is provided to the Trustee by the Controlling Creditor for any Event of Default other than a TIFIA Loan Agreement Default or the TIFIA Lender with respect to any TIFIA Loan Agreement Default (or both the Controlling Creditor and the TIFIA Lender in the event that the Event of Default is both a TIFIA Loan Agreement Default and an Event of Default hereunder other than that described in Section **802(e)**) that such Event of Default has been waived or cured to its satisfaction or that the Trustee otherwise may release funds

from the Current Year Revenue Account or the General Account for the purposes described in this paragraph had there been no such Event of Default.

Amounts on deposit in the TIFIA Prepayment Account shall be transferred by the Trustee for prepayment of the TIFIA Note to the TIFIA Lender no later than the Business Day following the General Fund Transfer Date. The money in the TIFIA Prepayment Account shall be held by the Trustee in trust for the exclusive benefit of the Owner of the TIFIA Note and shall be subject to a lien and charge in favor of the TIFIA Lender exclusively.

During a Construction Step-In, if amounts on deposit in the Construction Fund and the BANs Construction Fund are insufficient to satisfy the disbursements permitted to TxDOT pursuant to **Section 402(m)**, the Trustee shall transfer amounts held in the General Fund (whether in the Current Year Revenue Account or the General Account and regardless of the existence of any Event of Default) to TxDOT in an amount sufficient to satisfy any such shortfall. Such transfer shall be made only if all of the conditions and requirements for disbursements pursuant to **Section 402(m)** are satisfied as if such disbursements were payments from the Construction Fund in accordance therewith. If at the time that TxDOT delivers a request to the Trustee pursuant to **Section 402(m)** for which disbursement is sought by TxDOT, the documented Costs of the Project amount to more than the total available in the Construction Fund and BANs Construction Fund, the General Fund and the Capital Expenditures Fund (after transfer of all available amounts in the Capital Expenditures Reserve Fund) collectively at the time of the request for disbursement and TxDOT pays for such excess costs with funds that are not part of the Trust Estate, then the Trustee shall transfer to TxDOT at its written request such excess amount from any future deposits into the General Fund, subject to the limitations of **Section 402(m)**.

During an O&M Step-In, the Trustee shall disburse funds to TxDOT or its designee from the General Fund (first from the General Account of the General Fund and then, to the extent amounts in such account are insufficient, from the Current Year Revenue Account of the General Fund) upon written request of TxDOT to pay Operating Expenses and Major Maintenance Expenses pursuant to, and in accordance with, Section 6.02(d) of the Toll Equity Loan Agreement, *provided that* (i) funds in the Operating Fund, the Major Maintenance Fund and the Capital Expenditures Fund are insufficient for such purposes in accordance with the last paragraph of **Section 407**, **Section 408** and **Section 409**, respectively, (ii) disbursements are made for payment of such expenses in accordance with (A) the provisions of this **Section 417**, (B) the priorities of any transfers required pursuant to **Sections 405** through **416** and (C) the Annual Operating Budget, and (iii) such expenses have not been the subject of prior transfers out of the Funds and Accounts. Subject to the preceding sentence, should such expenses amount to more than the total available amount in the Operating Fund, Major Maintenance Fund, Capital Expenditures Fund and General Fund collectively at the time of the request for disbursement and TxDOT pays for such excess costs with funds that are not part of the Trust Estate, then the Trustee shall pay such excess amount to TxDOT upon written request of TxDOT from any

future deposits to such Funds not needed to pay current Operating Expenses, Major Maintenance Expenses and Capital Expenditures at the time.

Commencing on the Net Revenue Share Commencement Date (as defined in the PGBT WE Project Agreement), amounts on deposit in the General Account and Current Year Revenue Account of the General Fund shall be transferred by the Trustee at the written direction of the Authority to TxDOT to satisfy any Net Share Amount (as defined in the PGBT WE Project Agreement) due TxDOT under the Project Agreement.

### Section 711. Annual Operating Budget.

(a) Annual Operating Budget. The Authority covenants to adopt, prior to the beginning of each Fiscal Year, an Annual Operating Budget, specifying in reasonable detail all projected Revenues, Operating Expenses, Major Maintenance Expenses and Project Capacity Improvements Capital Expenditures and any projected advances under the Toll Equity Loan Agreement for such Fiscal Year on a monthly basis. The Authority may at any time adopt an amended or supplemental Annual Operating Budget for the remainder of the then current Fiscal Year, and when so adopted the Annual Operating Budget as so amended or supplemented shall be treated as the Annual Operating Budget under the provisions of this Trust Agreement. The Authority shall file a copy of each Annual Operating Budget and each amended or supplemented Annual Operating Budget with the Trustee.

If for any reason the Authority shall not have adopted the Annual Operating Budget before the first day of any Fiscal Year, the budget for the preceding Fiscal Year, shall, until the adoption of the Annual Operating Budget for the then current Fiscal Year, be deemed to be in force and shall be treated as the Annual Operating Budget under the provisions of this Trust Agreement.

(b) Annual Operating Budget During O&M Step-In. TxDOT may, to the extent that the Authority fails to do so, establish the Annual Operating Budget for each Fiscal Year during an O&M Step-In.

The complete Trust Agreement is available at <a href="https://www.ntta.org/AboutUs/News/">www.ntta.org/AboutUs/News/</a>

# **Appendix B - FY2017 Capital Plan Budget Calendar**

Date	Event
March 1, 2016 (Tuesday)	Executive Director's FY2016 Staff budget meeting to discuss budget priorities and overall direction for the Five-Year Capital Plan
March 1, 2016 (Tuesday)	Hyperion budget module available for inputting budget
March1 - April 22, 2016	Individual departments update or create Project Detail Forms
April 7, 2016 (Thursday)	Board Budget Workshop
April 22, 2016 (Friday)	Project Request Forms due to Financial Planning and Analysis (FP&A)
May 4, 2016 (Wednesday)	Five-Year Capital Plan distributed to executive management
May 4 - June 24, 2016	Departmental meetings with executive management and FP&A
July 8, 2016 (Friday)	Review by executive management completed
August 4, 2016 (Thursday)	Finance and Audit Committee Five-Year Capital Plan briefing
September 30, 2016 (Friday)	Five-Year Capital Plan book delivered to Board Members
October 6, 2016 (Thursday)	Finance and Audit Committee Five-Year Capital Plan First Review
Oct. 6 - Oct. 21, 2016	Incorporate any updates to CP
November 3, 2016 (Thursday)	Finance and Audit Committee Five-Year Capital Plan Second Review
November 16, 2016 (Wednesday)	Board Meeting Five-Year Capital Plan Approved

Assumes Thursday Committee Meetings and Wednesday Board Meetings Board events highlighted in red.

# **Appendix C - Capital Plan Process**

#### INTRODUCTION

The North Texas Tollway Authority's policy for the adoption of the Operating Budget (budget of current expenses, annual budget or Operating Fund) and the Major Maintenance Fund for the subsequent fiscal year is outlined by the Trust Agreement with Supplements and guided by the TELA.

In conjunction with development of the Operating Budget, staff prepares estimates of expenditures for the Major Maintenance Fund, the Capital Expenditures Fund and the Construction Fund, which is approved by the NTTA Board of Directors in a resolution.

#### **CAPITAL PLAN PROCESS**

Capital Plan projects are classified into three categories: Major Maintenance Projects, Capital Expenditures Projects and Construction Projects (see Project Type and Funding Source, page 11). Each year, individual departments utilize the Hyperion budget module to complete project request forms for new projects or update the previous-year projects to revise estimates and/or extend the year(s).

The requests are further classified by project type, purpose and priority. These classifications assist in the decision-making process. The Budget and Compliance Division (BCD) creates project lists for the three project categories and creates summary reports. In addition, BCD staff updates the long-term financial plan schedules. The forms, lists, reports and schedules are compiled to create the Five-Year Capital Plan Project Requests Book, which is delivered to the executive management team for review and approval. The executive management team is comprised of the Authority's executive director, the chief financial officer and the assistant executive directors.

Any changes from the review and approval process are incorporated into BCD reports, and the Five-Year Capital Plan book is created. The Capital Plan is presented to the NTTA Board of Directors' Finance and Audit Committee for review and recommendation. Upon Finance and Audit Committee recommendation, the Capital Plan is presented to the full Board of Directors for adoption.

#### **CASH BALANCES**

The Trust Agreement requires that some funds maintain cash balances. These cash balances contain both cash on deposit and investments held in the fund as follows:

The Operating Fund is required to maintain a cash balance equal to one-sixth (1/6) of the total operating budget amount for the current fiscal year.

Major Maintenance Fund is required to maintain a cash balance equal to one-twelfth (1/12) of the total major maintenance expenses scheduled for the current fiscal year.

# **Appendix C - Capital Plan Process**

#### **CAPITAL PLAN PROCESS FLOW**

## **March: Project Request Forms Prepared**

Project Request Forms prepared by Departments for new projects or updating previous-year projects numbers or extending years. Filled forms submitted to Budget and Compliance Division (BCD).

## **April: Capital Plan Project Request Book**

BCD prepares book and delivers it to executive management for review and approval. Departmental meetings with executive management, Finance Department, and Budget and Compliance Division held during this time.

# May: Five-Year Capital Plan Created

BCD creates the Capital Plan with the approved projects. The plan book is reviewed by executive management.

## **August: Draft Five-Year Capital Plan Discussion**

The Five-Year Capital Plan is presented at the public monthly Finance and Audit Committee meeting for discussion.

Any changes will be incorporated into the plan at this time.

# October: Final Plan Presented for Review

The Plan is presented at the public monthly Finance and Audit Committee meeting for final review and recommendation to the full Board of Directors for adoption.

# **November: Five-Year Capital Plan Presented to Board of Directors**

The final Capital Plan is presented at the public monthly Board of Directors meeting for adoption.

# **Appendix D: Major Revenue Source**

#### SPECIAL PROJECT SYSTEM - MAJOR REVENUE SOURCE

Toll revenue collected on the projects is the Special Projects System is major source of revenue. It accounted for \$620,870,128 of the FY2017 – FY2021 Capital Plan total estimated revenues of \$644,307,640, or 96.4%.

#### **TOLL REVENUE**

The Authority Act authorizes the Authority to fix, revise, charge and collect tolls for the use of the NTTA System, and provides that such tolls will be so fixed and adjusted as to provide funds sufficient with other revenues, if any, to pay the cost of maintaining, repairing and operating the NTTA System and the principal of and the interest on bonds issued in connection with the NTTA System as the same become due and payable, and to create reserves for such purposes. The Authority Act states that such tolls will not be subject to supervision or regulation by any agency of the state or any local governmental entity.

The Authority covenants under the Special Projects System Trust Agreement require that all Revenues (excepting investment income from all Funds and Accounts other than the Revenue Fund which shall be retained in such Funds and Accounts) will be deposited daily, as far as practicable, with the Trustee or in the name of the Trustee with the Depositary to the credit of the Revenue Fund. Amounts deposited to the Revenue Fund will be distributed in accordance with the Trust Agreement (see page 50).

The Authority has covenanted to charge toll rates on the project that do not exceed the maximum rates for each user classification as per the Project Agreement, unless the Authority determines that it is necessary to (a) preserve the financial condition of the project (or if the project is later made part of the NTTA System), (b) comply with the provisions of any bonds, notes, trust agreements or other financial instruments or agreements secured by revenues of the NTTA System, or (c) comply with law.

The schedule below shows C&M Associates, Inc. toll revenue estimates for the System.

	Estimated Special Projects System Annual Toll Revenue											
Roadway	FY2017	FY2018	FY2019	FY2020	FY2021							
PGBT-WE	\$56,058,827	\$65,287,869	\$68,306,976	\$73,081,418	\$75,455,516							
СТР	\$42,113,724	\$53,357,019	\$57,821,713	\$63,428,547	\$65,958,519							
Total	\$98,172,551	\$118,644,888	\$126,128,689	\$136,509,965	\$141,414,035							

# **Appendix E - Special Project System Outstanding Debt Summary**

	1st 7	Γier Bonds / BAl	NS	USDOT T	IFIA Loan	<b>Total Debt Service</b>		
	1	1st Tier Accreted	1st Tier Interest	USDOT TIFIA	USDOT TIFIA	Total Net Debt	Annual Net Debt	
Date	1st Tier Principal	Principal	(Net of CAPI)	Principal	Interest	Service	Service	
3/1/2016	=	=	23,358,463	-	-	23,358,463	_	
9/1/2016	15,030,000	=	23,358,463	-	-	38,388,463	61,746,926	
3/1/2017	-	=	24,503,480	-	-	24,503,480		
9/1/2017	12,835,000	=	24,503,480	-	1,000,000	38,338,480	62,841,961	
3/1/2018	=	=	25,106,214	-	10,690,895	35,797,109		
9/1/2018	60,000	=	25,106,214	-	10,868,092	36,034,307	71,831,416	
3/1/2019	=	=	27,810,889	-	10,690,895	38,501,784		
9/1/2019	1,965,000	=	27,810,889	-	10,868,092	40,643,982	79,145,766	
3/1/2020	-	-	27,777,906	-	10,720,589	38,498,495		
9/1/2020	25,535,000	-	27,777,906	-	10,838,398	64,151,304	102,649,799	
3/1/2021	-	-	27,258,857	-	10,690,895	37,949,752		
9/1/2021	29,820,000	=	27,258,857	-	10,868,092	67,946,949	105,896,701	
3/1/2022	-	-	32,885,659	-	10,690,895	43,576,554		
9/1/2022	32,480,000	-	32,885,659	-	10,868,092	76,233,751	119,810,305	
3/1/2023	-	-	32,271,317	418,354	10,772,541	43,462,212		
9/1/2023	33,530,000	=	32,271,317	418,354	10,938,371	77,158,042	120,620,254	
3/1/2024	-	-	34,503,494	418,354	10,779,809	45,701,656		
9/1/2024	42,995,000	-	34,503,494	418,354	10,886,035	88,802,882	134,504,538	
3/1/2025	-	-	33,428,619	418,354	10,727,812	44,574,784		
9/1/2025	44,920,000	=	33,428,619	418,354	10,892,900	89,659,873	134,234,657	
3/1/2026	-	-	32,250,381	418,354	10,705,448	43,374,182		
9/1/2026	53,935,000	=	32,250,381	418,354	10,870,165	97,473,900	140,848,082	
3/1/2027	-	-	30,835,038	418,354	10,683,083	41,936,474		
9/1/2027	48,655,000	=	30,835,038	418,354	10,847,430	90,755,821	132,692,295	
3/1/2028	-	=	29,557,844	418,354	10,690,102	40,666,299		
9/1/2028	78,905,000	=	29,557,844	418,354	10,795,342	119,676,539	160,342,838	
3/1/2029	-	=	27,571,806	418,354	10,638,354	38,628,513		
9/1/2029	84,595,000	-	27,571,806	418,354	10,801,959	123,387,119	162,015,632	
3/1/2030	-	=	25,451,125	418,354	10,615,989	36,485,467		
9/1/2030	91,495,000	-	25,451,125	418,354	10,779,224	128,143,702	164,629,170	
3/1/2031	-	-	23,163,750	418,354	10,593,624	34,175,728		
9/1/2031	103,635,000	-	23,163,750	418,354	10,756,488	137,973,592	172,149,320	
3/1/2032	-	=	20,572,875	418,354	10,600,395	31,591,623		
9/1/2032	40,495,194	31,754,523	20,572,875	418,354	10,704,649	103,945,594	135,537,217	

# **Appendix E - Special Project System Outstanding Debt Summary**

		Tier Bonds / BAN		USDOT T	IFIA Loan		bt Service
	-	1st Tier Accreted	1st Tier Interest	USDOT TIFIA	USDOT TIFIA	Total Net Debt	Annual Net Debt
Date	1st Tier Principal	Principal	(Net of CAPI)	Principal	Interest	Service	Service
3/1/2033	-	-	19,766,000	418,354	10,548,895	30,733,248	
9/1/2033	8,109,465	34,360,688	19,766,000	418,354	10,711,018	73,365,524	104,098,772
3/1/2034	-	-	19,766,000	418,354	10,526,530	30,710,884	
9/1/2034	6,312,961	29,291,944	19,766,000	418,354	10,688,282	66,477,541	97,188,425
3/1/2035	-	-	19,766,000	418,354	10,504,166	30,688,519	
9/1/2035	7,886,588	40,015,155	19,766,000	418,354	10,665,547	78,751,644	109,440,163
3/1/2036	-	-	19,766,000	418,354	10,510,688	30,695,041	
9/1/2036	50,705,840	18,677,817	19,766,000	418,354	10,613,956	100,181,967	130,877,008
3/1/2037	-	-	18,464,288	418,354	10,459,436	29,342,077	
9/1/2037	18,720,603	52,709,397	18,464,288	418,354	10,620,076	100,932,717	130,274,795
3/1/2038	-	-	18,164,288	418,354	10,437,072	29,019,713	
9/1/2038	72,030,000	-	18,164,288	418,354	10,597,341	101,209,982	130,229,695
3/1/2039	-	-	16,158,463	418,354	10,414,707	26,991,523	
9/1/2039	81,925,000	-	16,158,463	418,354	10,574,605	109,076,422	136,067,945
3/1/2040	-	-	13,880,525	418,354	10,420,981	24,719,859	
9/1/2040	85,700,000	-	13,880,525	418,354	10,523,263	110,522,142	135,242,001
3/1/2041	-	-	11,498,775	418,354	10,369,978	22,287,106	
9/1/2041	80,890,000	-	11,498,775	418,354	10,529,135	103,336,263	125,623,370
3/1/2042	-	-	9,249,300	418,354	10,347,613	20,015,267	
9/1/2042	9,665,865	90,469,002	9,249,300	418,354	10,506,399	120,308,920	140,324,186
3/1/2043	-	-	9,249,300	418,354	10,325,248	19,992,902	
9/1/2043	41,132,527	79,337,473	9,249,300	418,354	10,483,664	140,621,318	160,614,220
3/1/2044	-	-	6,137,269	418,354	10,331,273	16,886,896	
9/1/2044	70,961,677	70,028,323	6,137,269	418,354	10,432,570	157,978,192	174,865,088
3/1/2045	-	-	1,378,856	41,529,248	18,303,778	61,211,883	
9/1/2045	20,562,730	20,292,270	1,378,856	41,526,573	17,343,849	101,104,278	162,316,161
3/1/2046	-	-	-	78,032,628	23,207,799	101,240,427	
9/1/2046	-	-	-	78,032,628	21,219,711	99,252,339	200,492,766
3/1/2047	-	-	-	80,043,830	19,428,781	99,472,611	
9/1/2047	-	-	-	62,395,547	13,872,639	76,268,186	175,740,796
Totals	1,295,488,450	466,936,592	1,323,105,559	399,968,010	689,393,652	4,174,892,263	4,174,892,263

**Appendix F - Estimated Operating Expenditures by Account** 

		Estimated FY2017 - FY2021								
Description	FY2016 Budget	FY2017	FY2018	FY2019	FY2020	FY2021				
Salaries and Wages-Direct - (511101)	\$3,676,411	4,700,429	5,004,690	5,256,661	5,521,117	5,826,600				
Salaries and Wages-Internship - (511202)	3,636		3,826		4,220					
Salaries and Wage-Overtime - (511301)	22,634	3,593		4,018		4,454				
		72,751	77,460	81,360	85,453	90,181				
Group Insurance - (512101)	908,494	1,142,196	1,216,131	1,277,359	1,341,622	1,415,854				
Retirement Contributions - (512401)	488,141	562,272	598,668	628,809	660,444	696,986				
Retirement ContrInternship - (512402)	482	476	507	532	559	590				
Tuition Reimbursement - (512501)	6,106	4,087	4,352	4,571	4,801	5,066				
Unemployment Insurance - (512601)	44,775	24,277	25,848	27,150	28,516	30,094				
Worker's Comp Ins - (512701)	58,676	68,605	73,046	76,723	80,583	85,042				
Meeting Expense - (521101)	17,329	16,133	17,177	18,042	18,950	19,998				
Consulting/Professional - (521201)	2,316,564	2,025,652	2,156,773	2,265,360	2,379,328	2,510,976				
Legal Fees - (521202)	325,529	313,911	334,231	351,058	368,719	389,121				
Auditing Fees - (521203)	87,740	70,100	74,638	78,395	82,339	86,895				
Trustee Fees - (521204)	27,075	50,000	53,237	55,917	58,730	61,979				
Rating Agency Fees - (521205)	25,000	25,000	26,618	27,958	29,365	30,990				
Traffic Engineering Fees - (521207)	462,288	140,000	149,062	156,567	164,444	173,542				
Police Services (DPS) - (521208)	1,151,807	2,951,985	3,143,068	3,301,312	3,467,397	3,659,248				
Armored Car Services - (521209)	1,412	1,250	1,331	1,398	1,468	1,549				
Outside Maintenance Services - (521212)	6,416,258	6,462,273	6,880,579	7,226,995	7,590,576	8,010,563				
Repairs and Maintenance - (522201)	545,455	345,455	367,816	386,335	405,771	428,222				
Landscaping - (522202)	62,912	64,642	68,826	72,292	75,928	80,130				
Rentals - Land - (522301)	438,454	435,287	463,463	486,797	511,287	539,577				
Rentals - Equipment - (522302)	23,269	14,559	15,501	16,282	17,101	18,047				
Insurance Expense - Other - (523101)	362,693	322,627	343,511	360,806	378,957	399,925				
Postage - (523201)	568,847	946,838	1,008,127	1,058,883	1,112,154	1,173,690				
Telecommunications - (523202)	412,622	438,785	467,188	490,709	515,396	543,913				
Recruitment - (523301)	24,219	24,644	26,239	27,560	28,947	30,548				
Magazine and Newspaper - (523302)	489,306	488,149	519,747	545,915	573,379	605,104				
Television & Radio - (523303)	436,360		464,606	487,997						
Promotional Expenses - (523304)	296,923	436,360			512,548	540,907				
,	2,152	279,470	297,560	312,541	328,265	346,428				
Printing and Photographic - (523401)		565	602	632	664	700				
Maps & Pamphlets - (523402)	31,072	30,930	32,932	34,590	36,330	38,340				
Travel - (523501)	38,489	18,916	20,140	21,154	22,219	23,448				
Dues & Subscriptions - (523601)	38,109	37,209	39,618	41,612	43,706	46,124				
Education and Training - (523701)	45,456	23,637	25,167	26,434	27,764	29,300				
Licenses - (523801)	1,036	60	64	67	70	74				
Temporary Contract Labor - (523851)	284,202	252,319	268,652	282,178	296,374	312,772				
Liability Claims - (523902)	2,166	294	313	329	345	364				
Office Supplies - (531101)	51,232	47,555	50,633	53,182	55,858	58,949				
Other Materials and Supplies - (531102)	846,274	679,117	723,077	759,481	797,690	841,826				
Freight and Express - (531105)	1,361	727	774	813	854	901				
Water - (531211)	3,335	122,590	130,525	137,097	143,994	151,961				
Electricity - (531231)	552,520	448,550	477,585	501,630	526,866	556,018				
Books & Periodicals - (531401)	120	10	11	11	12	12				
Inven for resale(toll tags) - (531501)	709,836	1,079,154	1,149,008	1,206,857	1,267,573	1,337,707				
Software (Under \$5,000) - (531651)	328,028	608,086	647,448	680,045	714,257	753,777				
Uniforms - (531701)	31,586	30,737	32,727	34,374	36,104	38,101				
Bank Charges - (573001)	70,531	39,509	42,066	44,184	46,407	48,975				
Credit Card Fees - (573002)	948,784	1,674,178	1,782,548	1,872,294	1,966,487	2,075,293				
Tota	als 23,687,706	27,525,949	29,307,717	30,783,272	32,331,938	34,120,864				