

NTTA SYSTEM FY2017 - FY2021 FIVE-YEAR CAPITAL PLAN



READERS' ROADMAP

This Readers' Roadmap is a guide to help navigate through the North Texas Tollway Authority's FY2017 - FY2021 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 six 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 feature 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. Reserve Maintenance
2. Capital Improvement
3. NTTA System Construction
4. Feasibility Study

APPENDICES

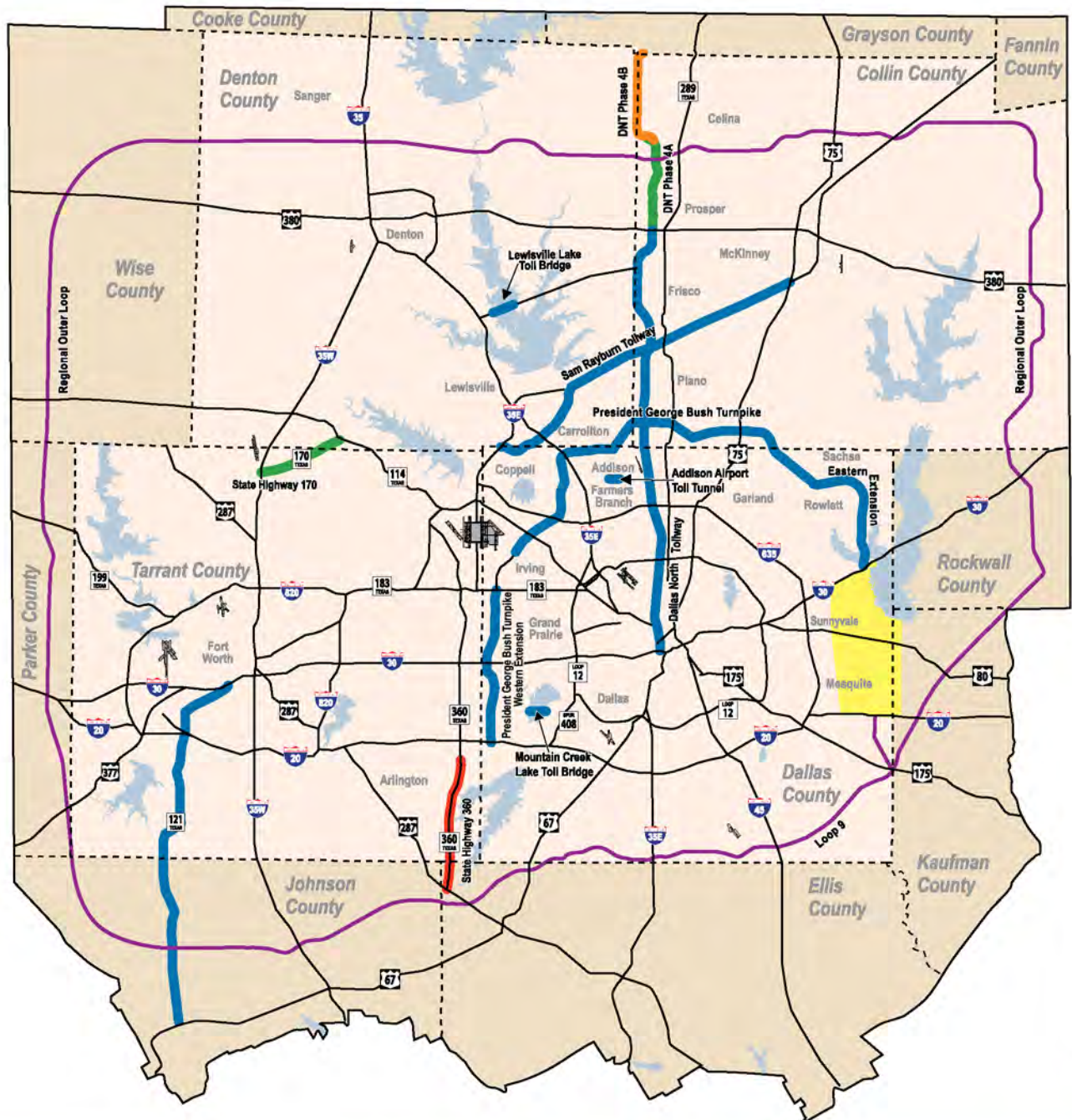
The last section contains an index that references each project name and associated page number. Also included is the Capital Plan calendar and documents describing the Capital Plan process, the major revenue sources, outstanding debt service and estimated operating expenditures.


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CAPITAL PLAN OVERVIEW












LEGEND 

-  Existing
-  Under Construction
-  In Development
-  Corridor Study
-  Study Area
-  Regional Outer Loop
-  County Line
-  Airports

TOLL FACILITIES

-  Chisholm Trail Parkway
-  President George Bush Turnpike
-  Dallas North Tollway
-  Sam Rayburn Tollway
-  Addison Airport Toll Tunnel
-  Lewisville Lake Toll Bridge
-  Mountain Creek Lake Toll Bridge

September 2016

Introduction and Overview

INTRODUCTION

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

The NTTA Capital Plan includes current year estimated expenditures approved through the annual budget process, and estimates for the five subsequent years 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 NTTA Capital Plan is comprised of projects continued from previous years and projects being initiated within the next five years.

The NTTA Capital Plan is adopted annually by the NTTA Board of Directors. The projects listed in the NTTA 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 NTTA'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 generated during the initial feasibility study phase and are updated as projects are developed.

The guiding principles used to update the NTTA Capital Plan are the Authority's goal to maintain a 1.50 times debt service coverage and the desire to pay for projects with available funds. Priority is given to projects associated with safety and revenue enhancement.

A. Revenue Fund

Estimated total revenue over the next five years is \$4.0 billion. Approximately \$3.9 billion or 97.5% of total revenue is based on projections provided by the traffic and revenue engineers (see Major Revenue Source, pages 140-143). Approximately \$167.8 million or 2.5% 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 4.9% per year from FY2017 through FY2021. All NTTA revenues on deposit in the Revenue Fund must be distributed to the other funds in accordance with the Amended and Restated Trust Agreement with Supplements (see Revenue Distribution, pages 141-143).

Introduction and Overview (continued)

	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	Five Year Totals FY2017 - FY2021
REVENUE FUND							
Estimated Beginning Available Cash Balance	-	-	-	-	-	-	-
INFLOWS							
Estimated Toll Revenues	665,891,900	703,865,300	736,224,400	767,241,500	798,536,100	847,814,000	3,853,681,300
Estimated Other Revenues	32,496,000	31,223,115	32,454,912	32,449,118	35,797,789	35,839,842	167,764,776
TOTAL INFLOWS	698,387,900	735,088,415	768,679,312	799,690,618	834,333,889	883,653,842	4,021,446,076
Estimated Ending Available Cash Balance	-	-	-	-	-	-	-
Total Revenues Available for Operations	698,387,900	735,088,415	768,679,312	799,690,618	834,333,889	883,653,842	4,021,446,076

B. Operations and Maintenance (O&M)

O&M expenses for the next five years are estimated at \$808.3 million. These funds are required to run the day-to-day operations of the Authority.

According to the Amended and Restated Trust Agreement with Supplements, revenues must be transferred to the O&M Fund to cover expenses and maintain a reserve balance (see Revenue Distribution, page 141, and Cash Balances, page 137). A projected \$764.0 million for O&M expense will be transferred from the Revenue Fund to the O&M Fund. The remaining \$45.2 million for salaries and benefits is transferred from various other funds (Capital Improvement, Construction, and Reserve Maintenance Funds).

The estimated operating expenses for FY2017 are prepared by the individual departments and compared to the general engineering consultant estimates. The operating expenses are expected to increase an average of 2% per year between FY2017 and FY2021. (See Appendix F page 145)

Introduction and Overview (continued)

	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	Five Year Totals FY2017 - FY2021
Total Revenues Available for Operations	698,387,900	735,088,415	768,679,312	799,690,618	834,333,889	883,653,842	4,021,446,076
OPERATION AND MAINTENANCE FUND							
Estimated Beginning Available Cash Balance	22,598,203	25,886,667	25,850,000	26,367,000	26,894,340	27,432,227	25,886,667
INFLOWS							
Transfer from Revenue Fund	138,344,834	146,544,670	149,944,777	152,855,931	155,822,675	158,846,042	764,014,095
Inter-Fund Transfers	7,583,630	8,518,663	8,774,223	9,037,449	9,308,573	9,587,830	45,226,738
TOTAL INFLOWS	145,928,464	155,063,333	158,719,000	161,893,380	165,131,248	168,433,873	809,240,833
OUTFLOWS							
Estimated Operating Expenses	(142,640,000)	(155,100,000)	(158,202,000)	(161,366,040)	(164,593,361)	(167,885,228)	(807,146,629)
TOTAL OUTFLOWS	(142,640,000)	(155,100,000)	(158,202,000)	(161,366,040)	(164,593,361)	(167,885,228)	(807,146,629)
Estimated Ending Available Cash Balance	25,886,667	25,850,000	26,367,000	26,894,340	27,432,227	27,980,871	27,980,871
Net Revenues Available for Debt Service	560,043,066	588,543,745	618,734,535	646,834,687	678,511,214	724,807,800	3,257,431,981

C. Debt Service Fund

In order to fund NTTA System expansions and capital improvements, NTTA has issued 1st and 2nd Tier debt over the years. NTTA maintains Debt Service Funds to pay these debt obligations. Over the next five years, principal and interest requirements total \$2.4 billion. 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 Revenue Distribution, page 142).

The Amended and Restated Trust Agreement requires a 1st tier debt service coverage (net revenues divided by net debt service) of 1.35 times. The Board of Directors adopted a more aggressive target of 1.50 times. The debt service coverage ranges from a low of 1.70 in FY2018 to a high of 1.87 in FY2017. (See page 11)

Introduction and Overview (continued)

	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	Five Year Totals FY2017 - FY2021
Net Revenues Available for Debt Service	560,043,066	588,543,745	618,734,535	646,834,687	678,511,214	724,807,800	3,257,431,981
DEBT SERVICE FUNDS							
Estimated Beginning Available Cash Balance	-	-	-	-	-	-	-
INFLOWS							
Transfer from Capital Improvement Fund	32,067,580	33,067,580	34,567,580	66,742,580	69,813,413	69,818,101	274,009,254
Capitalized interest transfer	-	-	-	-	-	-	-
Transfer from Revenue Fund	369,698,059	371,854,285	419,885,526	425,392,342	441,607,859	466,480,343	2,125,220,355
TOTAL INFLOWS	401,765,639	404,921,865	454,453,106	492,134,922	511,421,272	536,298,444	2,399,229,609
OUTFLOWS							
1st Tier Debt Service	(313,133,559)	(315,288,585)	(363,321,626)	(368,826,192)	(385,043,209)	(409,916,693)	(1,842,396,305)
2nd Tier Debt Service	(56,564,500)	(56,565,700)	(56,563,900)	(56,566,150)	(56,564,650)	(56,563,650)	(282,824,050)
3rd Tier Debt Service	-	-	-	-	-	-	-
Total Debt Service	(369,698,059)	(371,854,285)	(419,885,526)	(425,392,342)	(441,607,859)	(466,480,343)	(2,125,220,355)
Capital Improvement Fund - Subordinate Debt	(24,067,580)	(24,067,580)	(24,067,580)	(54,492,580)	(54,491,017)	(54,495,705)	(211,614,462)
Capital Improvement Fund - ISTEA Loan	(8,000,000)	(9,000,000)	(10,500,000)	(12,250,000)	(15,322,396)	(15,322,396)	(62,394,792)
TOTAL OUTFLOWS	(401,765,639)	(404,921,865)	(454,453,106)	(492,134,922)	(511,421,272)	(536,298,444)	(2,399,229,609)
Estimated Ending Available Cash Balance	-	-	-	-	-	-	-
Net Revenues Available for Major Maintenance Projects	190,345,007	216,689,460	198,849,009	221,442,345	236,903,355	258,327,457	1,132,211,626
First Tier Debt Service Coverage	1.79	1.87	1.70	1.75	1.76	1.77	1.77
First & Second Tier Debt Service Coverage	1.51	1.58	1.47	1.52	1.54	1.55	1.53
All Debt Service Coverage	1.39	1.45	1.36	1.31	1.33	1.35	1.36
CIF Subordinated Debt Coverage	1.31	1.37	1.30	1.27	1.31	1.29	1.36

D. Reserve Maintenance Fund

This is the Authority's long-term plan for the renewal and replacement of capital assets. The Authority elected to use the Governmental Accounting Standards Board (GASB) 34 Modified Approach to account for the 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 Authority infrastructure assets (roadways, bridges and facilities). The assessment of conditions is made by visual and mechanical

Introduction and Overview (continued)

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 December 19, 2007. The roads are maintained at the Authority's level in order to enhance the customers' driving experience.

The Reserve Maintenance Fund estimate for FY2017 through FY2021 is \$180.8 million, an average of \$36.2 million per year. This estimate is composed of \$165.1 million of project costs (see Reserve Maintenance Projects, pages 25-39) and \$15.7 million for professional fees and allocated salary and benefit costs.

The Reserve Maintenance Fund is funded from the Revenue Fund. Similar to the O&M Fund, the Amended and Restated Trust Agreement requires a transfer to cover maintenance expenditures and maintain a required fund balance of \$5.0 million (see Revenue Distribution, page 143, and Cash Balances, pages 137-138).

	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	Five Year Totals FY2017 - FY2021
Net Revenues Available for Reserve Maintenance Projects	190,345,007	216,689,460	198,849,009	221,442,345	236,903,355	258,327,457	1,132,211,626
RESERVE MAINTENANCE FUND							
Estimated Beginning Available Cash Balance	13,694,886	22,012,148	-	-	-	-	22,012,148
INFLOWS							
Transfer from Revenue Fund	33,519,360	32,796,968	31,779,815	30,746,664	23,387,113	40,097,369	158,807,929
TOTAL INFLOWS	33,519,360	32,796,968	31,779,815	30,746,664	23,387,113	40,097,369	158,807,929
OUTFLOWS							
RMF Project Expenses	(22,387,004)	(51,851,006)	(28,732,962)	(27,608,406)	(20,154,707)	(36,767,991)	(165,115,072)
RMF Professional Fees and Other Expenses	(127,469)	(61,630)	(63,479)	(65,383)	(67,345)	(69,365)	(327,201)
RMF Salaries/Wages	(2,687,625)	(2,896,480)	(2,983,374)	(3,072,875)	(3,165,062)	(3,260,013)	(15,377,804)
TOTAL OUTFLOWS	(25,202,098)	(54,809,116)	(31,779,815)	(30,746,664)	(23,387,113)	(40,097,369)	(180,820,077)
Estimated Ending Available Cash Balance	22,012,148	-	-	-	-	-	-
RMF Reserve Account							
Estimated Ending Cash Balance/RMF Reserve	5,000,000	5,000,000	5,000,000	5,000,000	5,000,000	5,000,000	5,000,000
Net Revenues Available for Capital Improvement Projects	156,825,647	183,892,492	167,069,194	190,695,681	213,516,242	218,230,087	973,403,697

Introduction and Overview (continued)

E. Capital Improvement Fund/FSF-Revolving Account

The Capital Improvement Fund (CIF) accounts for the Authority's long-term expansions, improvements, reconstructions and replacements to the NTTA System. The CIF funds subordinated debt and ISTEA loan payments. Over the next five years, capital improvement projects total \$550.6 million, which is comprised of \$517.0 million in project costs (see Capital Improvement Projects, pages 43-106) and \$33.6 million in professional fees and allocated salary and benefit costs. The projects listed for FY2017 to FY2021 have been approved by executive management through the capital plan process (see Capital Plan process, pages 137-139). Funds for the CIF flow from the Revenue Fund to the extent there are excess revenues (see Revenue Distribution, page 143). The estimated contribution to CIF over the next five years is \$973.4 million. Additionally, the Authority may issue bonds or commercial paper to finance the Capital Improvement Fund.

The Capital Improvement Fund revolving account, or the Feasibility Study Fund, is used only to pay the expenses to study the cost and feasibility relating to the preparation and issuance of bonds for the acquisition and construction of a proposed Authority turnpike project; the financing of the improvement, extension or expansion of an existing turnpike or Authority project for private participation, as authorized by law, in the financing of a proposed turnpike project or Authority, or the refinancing of an existing turnpike project or Authority, or the improvement extension or expansion of a turnpike project or Authority.

In accordance with House Bill 749, enacted in FY1991 by the 72nd Texas Legislature, the Authority may transfer an amount from a surplus fund (currently the Capital Improvement Fund) established for a turnpike project to the Feasibility Study Fund. However, the Authority may not transfer an amount that results in a balance in the surplus fund that is less than the minimum balance required in the trust agreement for that project, if any. The current Trust Agreement does not have a required minimum balance for the Capital Improvement Fund. The Authority's executive management has established a \$50.0 million reserve fund, which is currently fully funded. The NTTA Capital Plan includes an additional deposit of \$25.0 million in FY2021 (see Cash Balance, pages 14 and 138). The Feasibility Study Fund budget requires an estimated \$4.6 million over the next five years to pay for professional, legal, and traffic engineering fees related to project feasibility. The amount will be transferred from the Capital Improvement Fund.

Introduction and Overview (continued)

	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	Five Year Totals FY2017 - FY2021
Net Revenues Available for Capital Improvement Projects	156,825,647	183,892,492	167,069,194	190,695,681	213,516,242	218,230,087	973,403,697
CAPITAL IMPROVEMENT FUND							
Estimated Beginning CIF Uncommitted Cash Balance	232,308,067	210,679,845	156,589,810	164,587,496	65,895,299	28,804,679	210,679,845
INFLOWS							
Transfer from Revenue Fund	156,825,647	183,892,492	167,069,194	190,695,681	213,516,242	218,230,087	973,403,697
Transfer to CIF Bond Payment Account	(24,067,580)	(24,067,580)	(24,067,580)	(69,680,928)	(54,491,017)	(54,495,705)	(226,802,810)
Transfer to Debt Service Fund for ISTEPA Payment	(8,000,000)	(9,000,000)	(10,500,000)	(12,250,000)	(15,322,396)	(15,322,396)	(62,394,792)
Commercial Paper Issue	-	-	-	-	-	-	-
Reimbursement from TxDOT - SH 360	-	2,130,000	-	-	-	-	2,130,000
NET INFLOWS AVAILABLE FOR CIF EXPENSES	124,758,067	152,954,912	132,501,614	108,764,753	143,702,829	148,411,986	686,336,095
OUTFLOWS							
CIF Project Expenses	(135,138,441)	(194,775,300)	(117,553,238)	(98,858,219)	(69,698,821)	(34,435,472)	(515,321,050)
CIF Professional/LOC Fees	(5,179,724)	(6,113,579)	(1,410,939)	(1,186,699)	(836,386)	(413,226)	(9,960,828)
CIF Salaries/Wages	(3,736,735)	(4,456,069)	(4,589,751)	(4,727,443)	(4,869,267)	(5,015,345)	(23,657,874)
Transfer to NTTA System Construction Funds	-	-	-	(102,034,589)	(104,738,976)	(106,960,000)	(313,733,565)
Transfer to CIF Rainy Day Fund Account	-	-	-	-	-	(25,000,000)	(25,000,000)
Transfer to Feasibility Study Fund	(2,331,390)	(1,700,000)	(950,000)	(650,000)	(650,000)	(650,000)	(4,600,000)
TOTAL OUTFLOWS	(146,386,290)	(207,044,947)	(124,503,928)	(207,456,950)	(180,793,449)	(172,474,042)	(892,273,316)
Estimated Ending CIF Uncommitted Cash Balance	210,679,845	156,589,810	164,587,496	65,895,299	28,804,679	4,742,623	4,742,623
CIF Bond Payment Account							
Estimated Beginning CIF Bond Payment Account Cash Balance	12,057,942	12,057,942	12,057,942	12,057,942	27,246,290	27,246,290	12,057,942
Transfers from CIF Cash Account	24,067,580	24,067,580	24,067,580	69,680,928	54,491,017	54,495,705	226,802,810
Transfer to Debt Service Fund for CIF Subordinated Debt Payment	(24,067,580)	(24,067,580)	(24,067,580)	(54,492,580)	(54,491,017)	(54,495,705)	(211,614,462)
Estimated Ending CIF Bond Payment Account Cash Balance	12,057,942	12,057,942	12,057,942	27,246,290	27,246,290	27,246,290	27,246,290
CIF Rainy Day Fund Account							
Estimated Beginning CIF Rainy Day Fund Account Cash Balance	50,000,000	50,000,000	50,000,000	50,000,000	50,000,000	50,000,000	50,000,000
Transfers from CIF Cash Account	-	-	-	-	-	25,000,000	25,000,000
Transfers to CIF Cash Account	-	-	-	-	-	-	-
Estimated Ending CIF Rainy Day Fund Account Cash Balance	50,000,000	50,000,000	50,000,000	50,000,000	50,000,000	75,000,000	75,000,000
Estimated Ending Total CIF Cash Balances	272,737,787	218,647,752	226,645,438	143,141,589	106,050,969	106,988,913	106,988,913

Introduction and Overview (continued)

F. NTTA System Construction Fund

The funds required to construct or acquire toll projects for the Authority are contained in the Construction Fund. The projects in this fund are typically funded with bond proceeds or reimbursement agreements. The FY2017 - FY2021 costs are funded with transfers from the Capital Improvement Fund of \$313.7 million. Over the next five years, these projects total \$407.1 million, which is comprised of \$379.0 million in construction costs and \$28.1 million in professional and letter of credit fees and salary and benefits costs (see NTTA System Construction Projects, pages 111-119). The budget contains \$162.6 million for the widening of the Sam Rayburn Tollway. In addition, \$23.4 million for the DNT 4B frontage road, which will be fully reimbursed by Denton County. (The fund anticipates funding for advancing the Trinity Parkway.)

	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	Five Year Totals FY2017 - FY2021
CONSTRUCTION FUNDS - NTTA SYSTEM							
Estimated Beginning Available Cash Balance	73,857,087	68,968,574	54,001,056	10,114,665	(0)	0	68,968,574
INFLOWS							
Reimbursement Agreements:							-
Denton County ILA - DNT Phase 4B	850,000	6,803,800	10,465,900	7,101,220	-	-	24,370,920
Transfer from Capital Improvement Fund			-	102,034,589	104,738,976	106,960,000	313,733,565
Bond Issues				-	-	-	-
TOTAL INFLOWS	850,000	6,803,800	10,465,900	109,135,809	104,738,976	106,960,000	338,104,485
OUTFLOWS							
Allocated Cost: Salaries, Professional Fees, Legal Fees	(1,009,270)	(1,544,859)	(3,536,761)	(7,759,754)	(6,815,476)	(6,960,000)	(26,616,849)
LOC Fees	(2,385,000)	(1,500,000)	-	-	-	-	(1,500,000)
SRT Expenses	(1,757,434)	(8,940,800)	(40,349,630)	(64,389,500)	(48,923,500)	-	(162,603,430)
PGBT EE Expenses	(157,529)	(1,855,060)	-	-	-	-	(1,855,060)
Trinity Parkway Expenses	-	-	-	(40,000,000)	(49,000,000)	(100,000,000)	(189,000,000)
DNT Phase 4A Expenses	-	-	-	-	-	-	-
DNT Phase 4B/5A Expenses	(246,080)	(6,803,800)	(10,465,900)	(7,101,220)	-	-	(24,370,920)
DNT Phase 3 Expenses	(183,200)	(1,126,800)	-	-	-	-	(1,126,800)
TOTAL OUTFLOWS	(5,738,513)	(21,771,319)	(54,352,291)	(119,250,474)	(104,738,976)	(106,960,000)	(407,073,059)
Estimated Ending Available Cash Balance	68,968,574	54,001,056	10,114,665	(0)	0	0	0

Introduction and Overview (continued)

G. Feasibility Study Fund

Any agreement or decision to undertake a project by NTTA is subject to establishing financial feasibility for the project. Feasible corridor projects will be funded with bond proceeds and amounts from other sources that are specific for the project (see Feasibility Study Fund, pages 123-132). Over the next five years, these projects are budgeted at \$4.6 million from the Capital Improvement Fund.

	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	Five Year Totals FY2017 - FY2021
FEASIBILITY STUDY FUND							
Estimated Beginning Available Cash Balance	-	-	-	-	-	-	-
INFLOWS							
Bond Issues							-
Transfer from Capital Improvement Fund	2,331,390	1,700,000	950,000	650,000	650,000	650,000	4,600,000
TOTAL INFLOWS	2,331,390	1,700,000	950,000	650,000	650,000	650,000	4,600,000
OUTFLOWS							
Legal fees	(163,367)	(150,000)	(150,000)	(150,000)	(150,000)	(150,000)	(750,000)
Professional Fees	(1,198,023)	(500,000)	(500,000)	(500,000)	(500,000)	(500,000)	(2,500,000)
SH 170	(260,000)	-	-	-	-	-	-
SH 190/PGBT EE - East Branch	-	-	(250,000)	-	-	-	(250,000)
DNT Phase 4A	(10,000)	-	-	-	-	-	-
Trinity Parkway	(450,000)	(1,050,000)	(50,000)	-	-	-	(1,100,000)
Outer Loop Southeast (Loop 9)	(250,000)	-	-	-	-	-	-
TOTAL OUTFLOWS	(2,331,390)	(1,700,000)	(950,000)	(650,000)	(650,000)	(650,000)	(4,600,000)
Estimated Ending Available Cash Balance	-	-	-	-	-	-	-

Project Types & Funding Sources

RESERVE MAINTENANCE PROJECTS

Projects included in this category are maintenance projects that do not recur on an annual or more frequent basis. Funding for these projects comes from the remaining revenues available after Operations and Maintenance (O&M) costs and debt service obligations have been satisfied.

CAPITAL IMPROVEMENT 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 O&M costs, debt service and reserve maintenance costs have been satisfied. In some cases, the Authority may issue debt for capital improvement projects.

NTTA SYSTEM CONSTRUCTION PROJECTS

Projects that fall into this category include NTTA System roadways that are currently under construction and projects that will be funded with bond proceeds. In most cases, funding for these projects already exists and come primarily from the sale of revenue bonds; however, other funding sources such as loans, grants, reimbursements and equity contributions are also considered.

FEASIBILITY STUDY PROJECTS

Projects that fall into this category include potential roadways that are undergoing analysis to determine feasibility. 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.

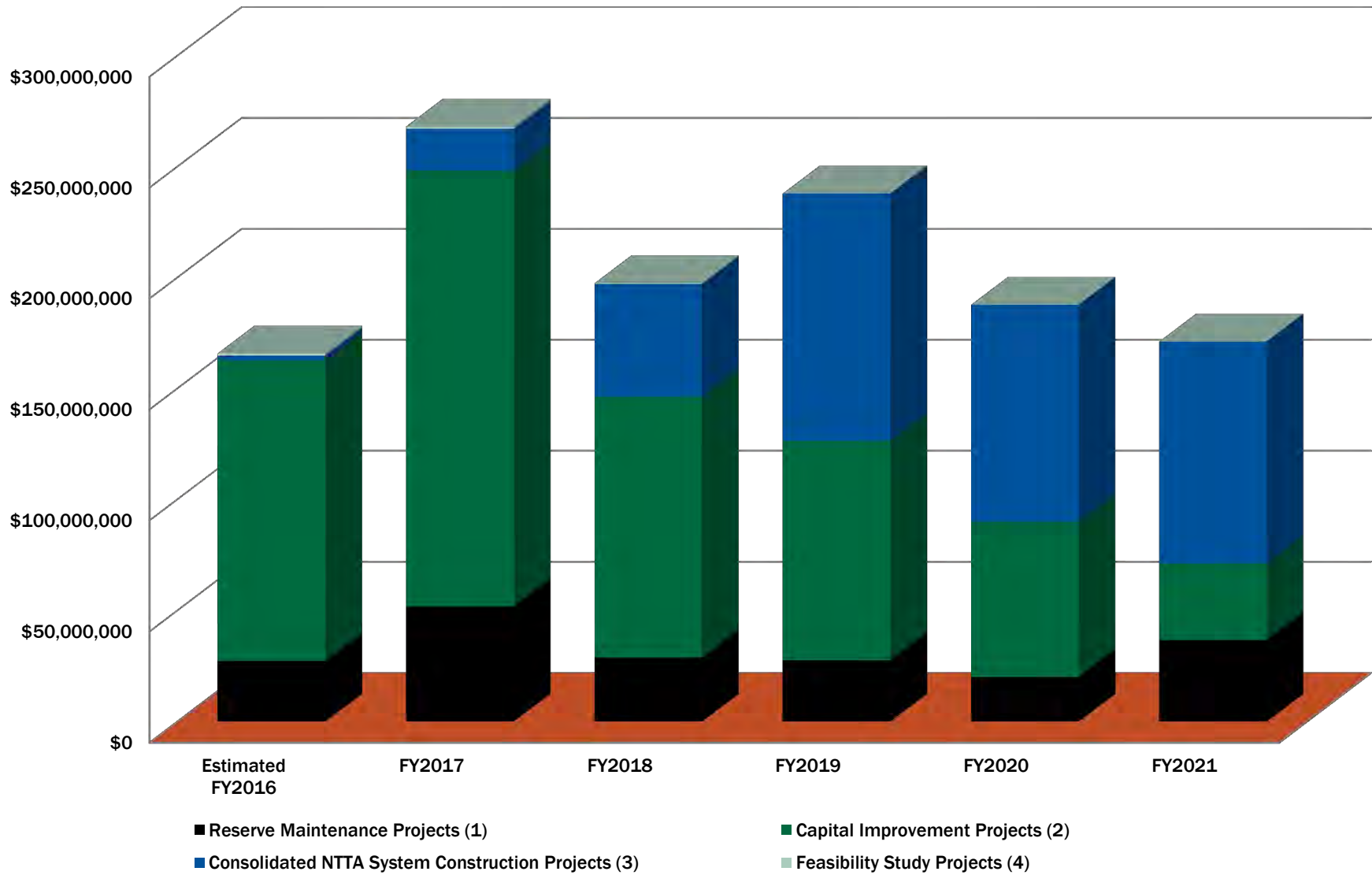
**FY2017 - FY2021 CAPITAL PLAN
SUMMARY PROJECT COSTS**

Project Type	Estimated FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	Five Year Total FY2017 - FY2021
Reserve Maintenance Projects (1)	\$27,387,004	\$51,851,006	\$28,732,962	\$27,608,406	\$20,154,707	\$36,767,991	\$165,115,072
Capital Improvement Projects (2)	135,138,441	196,475,300	117,578,238	98,808,219	69,698,821	34,435,472	516,996,050
Consolidated NTTA System Construction Projects (3)	2,344,243	18,726,460	50,815,530	111,490,720	97,923,500	100,000,000	378,956,210
Feasibility Study Projects (4)	970,000	1,050,000	300,000	0	0	0	1,350,000
Totals	\$165,839,688	\$268,102,766	\$197,426,730	\$237,907,345	\$187,777,028	\$171,203,463	\$1,062,417,332

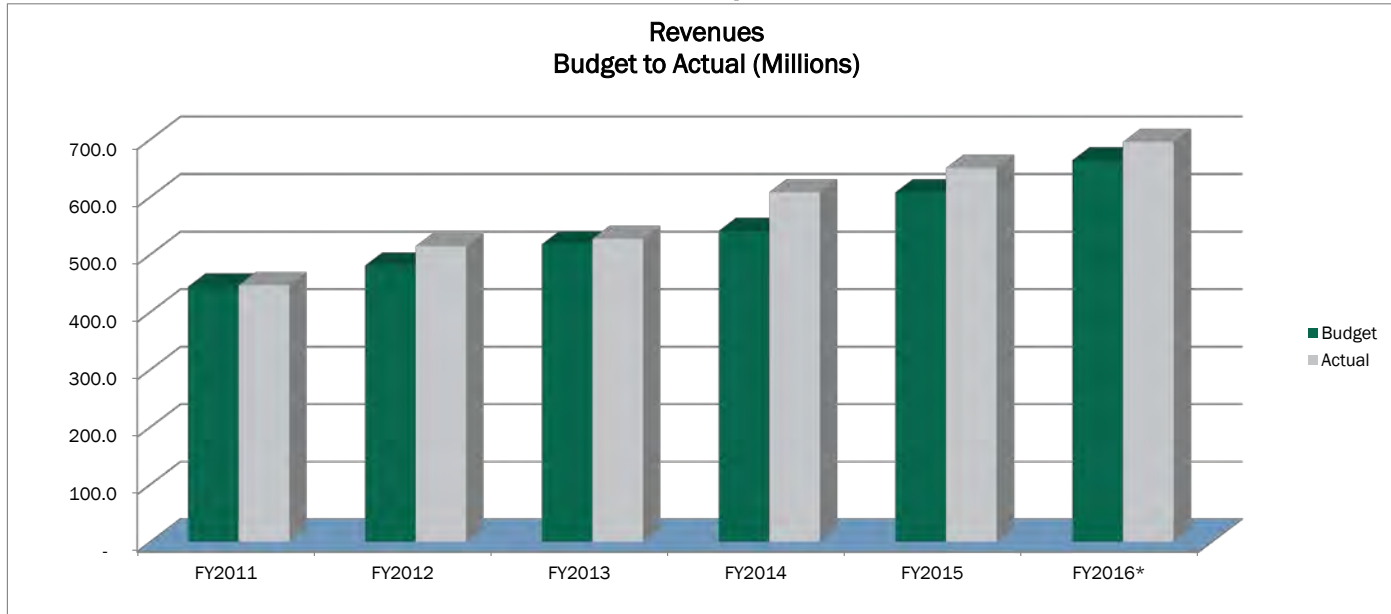
Report contains only project costs.

- (1) List of projects see page 26.
- (2) List of projects see pages 48-50.
- (3) List of projects see page 113.
- (4) List of projects see page 127.

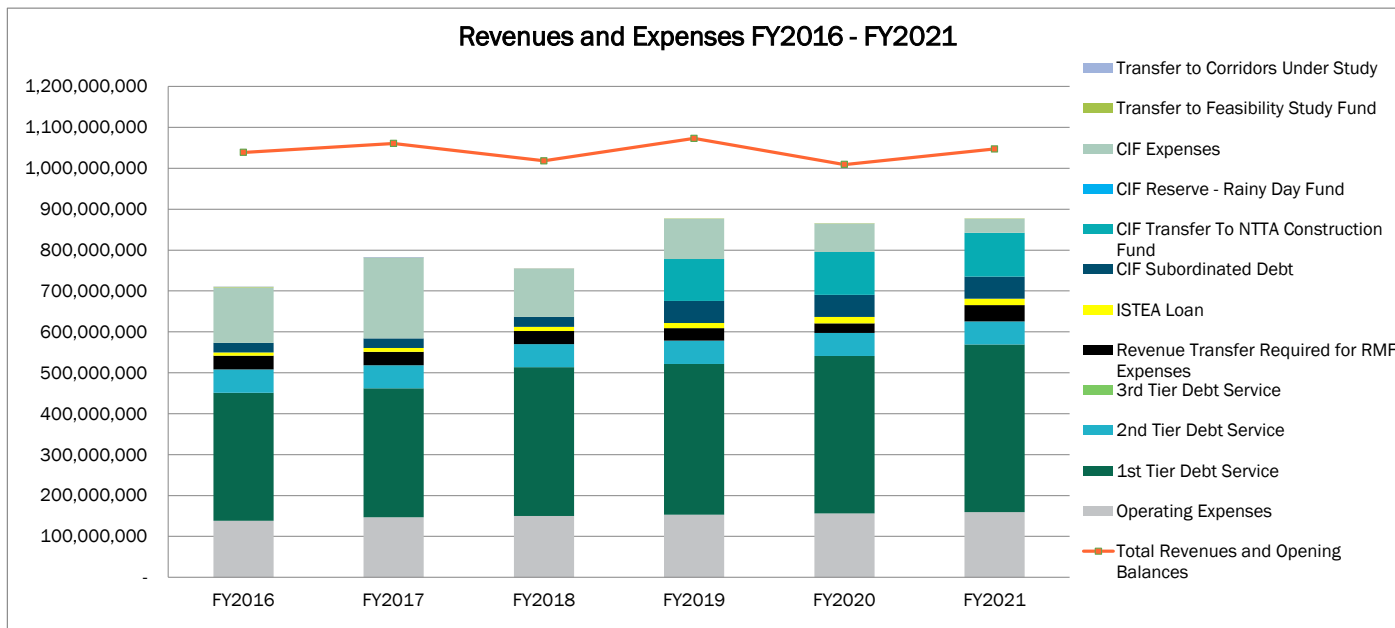
Capital Plan Costs by Project Type



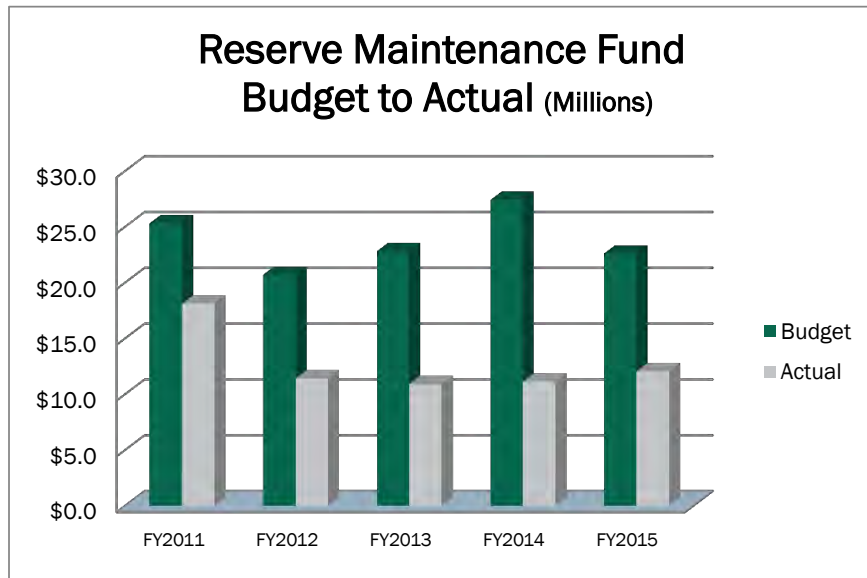
Informational Graphs



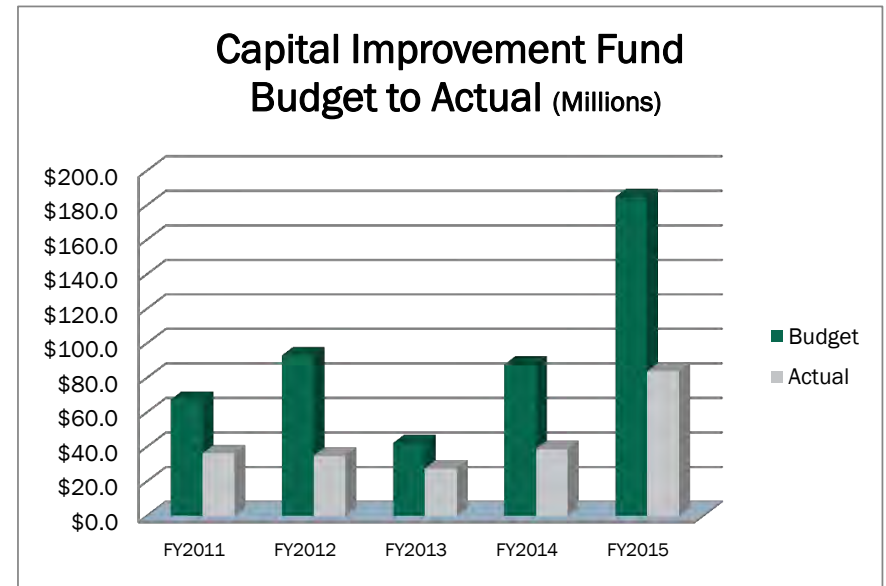
*Actual amount for FY2016 is based on estimates provided by CDM Smith, Inc.



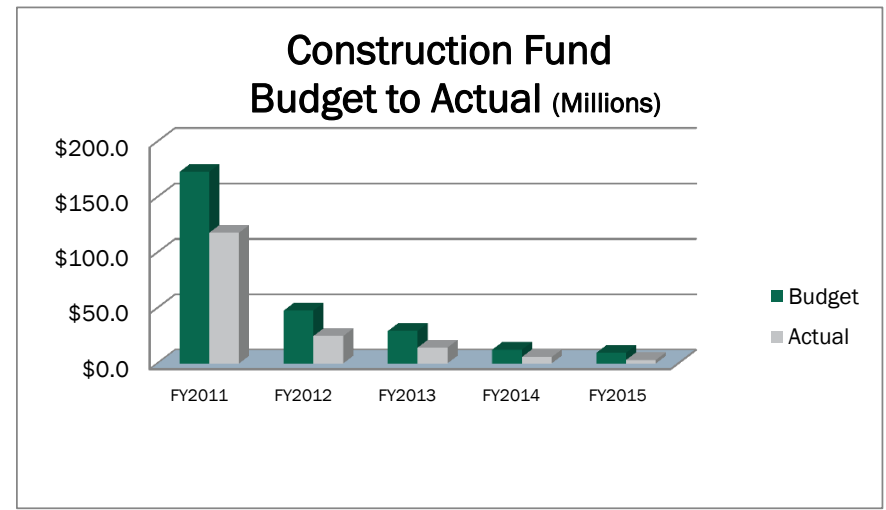
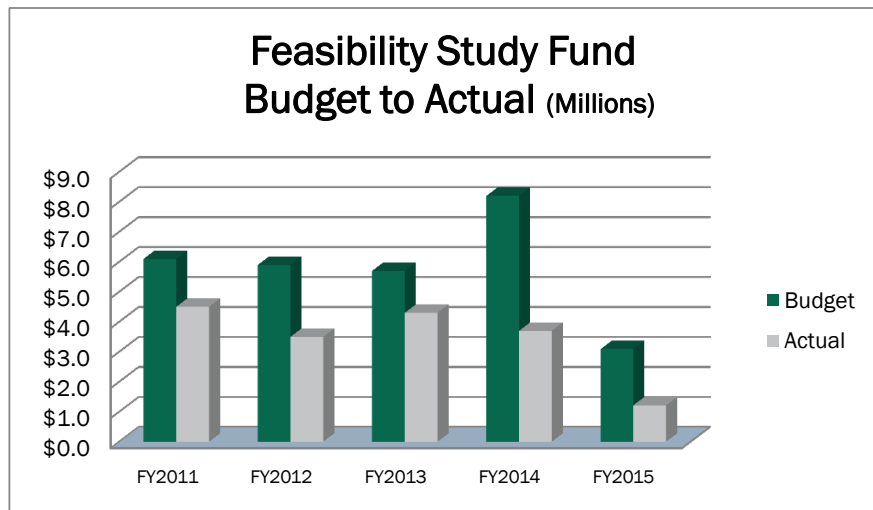
Historical Informational Graphs



RMF Projects re-evaluated and prioritized throughout the year

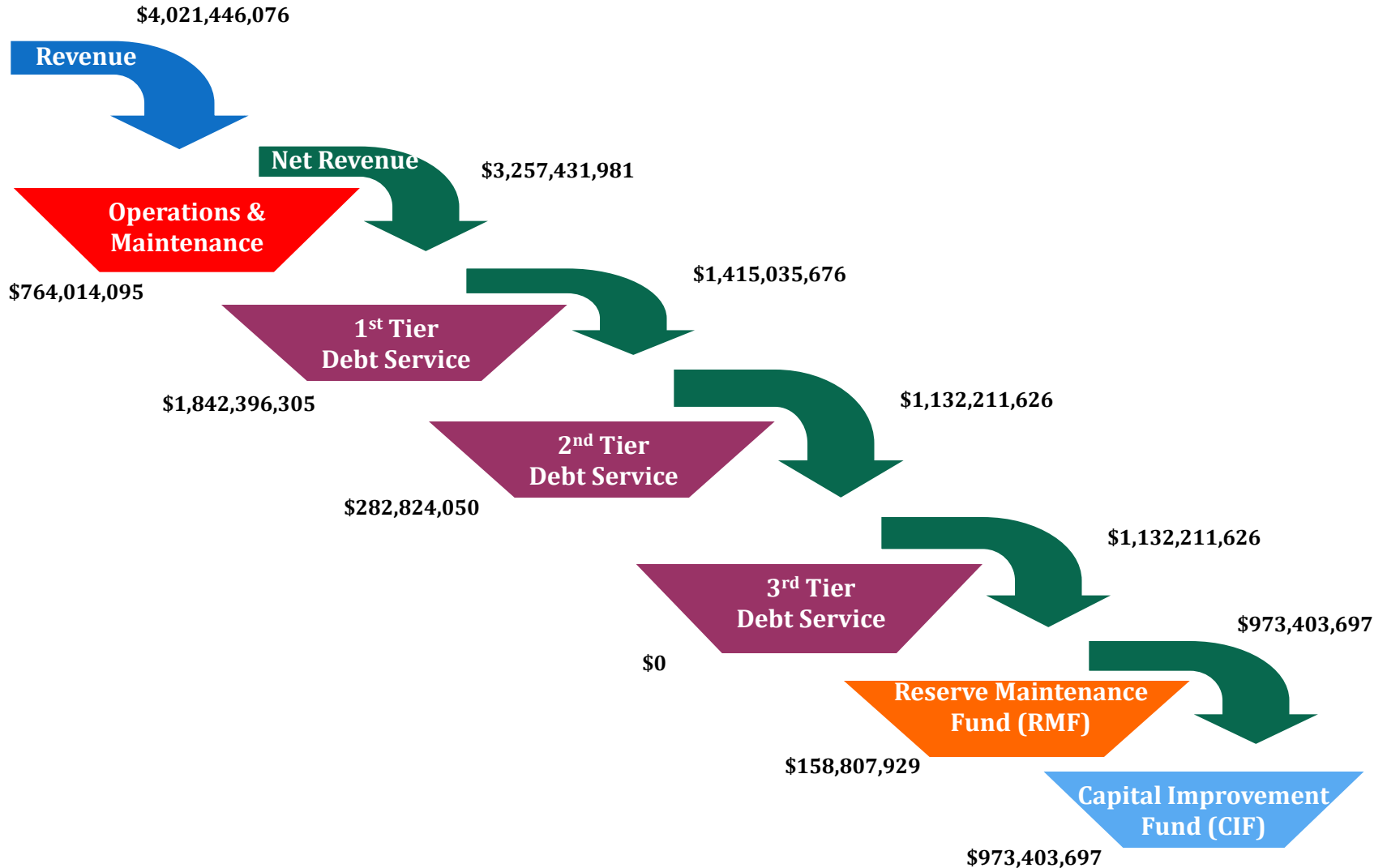


CIF Projects re-evaluated and prioritized throughout the year



All construction projects coming to completion

NTTA System Flow of Funds FY2017 - FY2021



RESERVE MAINTENANCE PROJECTS



Reserve Maintenance Projects

Reserve maintenance projects include repairs and maintenance, painting, renewals, replacements, improvements and other projects necessary for the safe or efficient operation of NTTA toll roads or to prevent loss of revenues. These projects are not typically included as part of the normal, day-to-day operations, but should be viewed as part of the overall long-term maintenance of NTTA assets.

Projects include, but are not limited to the following:

ANNUAL ASSET CONDITION INSPECTION

An inspection of NTTA assets is performed annually to assist in identifying potential maintenance projects. This allows staff to properly allocate funds during the annual budgeting process. It also allows staff to plan for future major maintenance expenditures. The Capital Plan includes \$7.4 million for this category over the next five years, an average of \$1.5 million per year.

SYSTEM-WIDE MAINTENANCE PROJECTS (ROADWAY, BRIDGES, BUILDINGS, WALLS AND OTHER ASSETS)

NTTA has chosen to maintain all of its long-term assets at an approved performance 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 budget. The Capital Plan includes \$122.3 million for this category over the next five years, an average of \$24.4 million per year.

FLEET AND EQUIPMENT PURCHASES / ADDITIONAL & REPLACEMENTS

NTTA purchases additional fleet vehicles and equipment in proportion to any increases in lane miles. NTTA replaces fleet vehicles and equipment at specific intervals based on useful life and necessity. Once purchased, fleet vehicles and equipment are primarily used for ongoing operations and maintenance. The Capital Plan includes \$9.4 million for this category over the next five years, an average of \$1.9 million per year.

HARDWARE/SOFTWARE REPLACEMENTS AND UPGRADES

NTTA purchases and replaces hardware/software at specific intervals based on useful life and necessity. Once implemented, the hardware/software are primarily used for ongoing operations and maintenance. The Five-year Capital Plan includes \$26.0 million for this category, an average of \$5.2 million per year.



Reserve Maintenance Fund - (1201) - Project List FY2017 - FY2021 CAPITAL PLAN

Department	Project	Estimated FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	Five Year Total FY2017 - FY2021
Information Technology - (20111)	1000431 - Systemwide Roadway Improvements	\$5,790,000	\$3,225,000	\$2,575,000	\$1,755,000	\$650,000	\$850,000	\$9,055,000
Information Technology - (20111)	1000825 - Server Hardware Upgrades and Replacements	4,000,000	3,032,000	2,032,000	2,032,000	1,000,000	5,000,000	13,096,000
Information Technology - (20111)	1000826 - Computer Hardware Upgrades and Replacements	1,427,500	2,135,000	690,000	748,000	750,000	480,000	4,803,000
Information Technology - (20111)	1000827 - Printer Hardware Upgrades and Replacements	199,000	200,000	209,000	213,000	218,000	221,400	1,061,400
Information Technology - (20111)	1000828 - Network Equip. & Comm. Systems Replacement	1,939,500	1,939,500	774,500	1,729,500	774,500	729,500	5,947,500
Information Technology - (20111)	1000829 - Software and Licensing	280,000	285,000	210,000	210,000	210,000	210,000	1,125,000
	Information Technology - (20111) Total	13,636,000	10,816,500	6,490,500	6,687,500	3,602,500	7,490,900	35,087,900
Admin Infrastructure - (20221)	1000835 - Systemwide Facility Improvements	552,000	1,625,000	775,000	1,106,000	960,000	110,000	4,576,000
Admin Infrastructure - (20221)	1000840 - RMF - Fleet	2,676,000	1,911,146	1,930,800	1,877,948	1,890,998	1,811,800	9,422,692
	Admin Infrastructure - (20221) Total	3,228,000	3,536,146	2,705,800	2,983,948	2,850,998	1,921,800	13,998,692
Project Delivery - (20511)	1000431 - Systemwide Roadway Improvements	18,150,395	26,477,954	15,860,810	13,298,051	9,079,153	23,582,914	88,298,882
Project Delivery - (20511)	1000831 - Systemwide Wall Repair	50,000	1,950,000	350,000	375,000	425,000	375,000	3,475,000
Project Delivery - (20511)	1000833 - Systemwide Bridge Repair	1,065,000	4,330,000	1,825,000	2,600,000	2,375,000	1,700,000	12,830,000
Project Delivery - (20511)	1000836 - Annual Inspection Program	1,404,812	1,033,606	1,405,852	1,573,907	1,747,056	1,622,377	7,382,798
	Project Delivery - (20511) Total	20,670,207	33,791,560	19,441,662	17,846,958	13,626,209	27,280,291	111,986,680
System & Incdnt Mngmt - (20611)	1000431 - Systemwide Roadway Improvements	550,000	100,000	95,000	90,000	75,000	75,000	435,000
	System & Incdnt Mngmt - (20611) Total	550,000	100,000	95,000	90,000	75,000	75,000	435,000
Totals		\$38,084,207	\$48,244,206	\$28,732,962	\$27,608,406	\$20,154,707	\$36,767,991	\$161,508,272

FY2016 Carryover Projects and Adjustments

Admin Infrastructure - (20221)	1000835 - Systemwide Facility Improvements	16,992	300,000	0	0	0	0	300,000
Project Delivery - (20511)	1000431 - Systemwide Roadway Improvements	(9,864,195)	3,306,800	0	0	0	0	3,306,800
Project Delivery - (20511)	1000833 - Systemwide Bridge Repair	(550,000)	0	0	0	0	0	0
System & Incdnt Mngmt - (20611)	1000431 - Systemwide Roadway Improvements	(300,000)	0	0	0	0	0	0
Totals		(\$10,697,203)	\$3,606,800	\$0	\$0	\$0	\$0	\$3,606,800
Total FY2017 - FY2021 Reserve Maintenance Project Costs		\$27,387,004	\$51,851,006	\$28,732,962	\$27,608,406	\$20,154,707	\$36,767,991	\$165,115,072

Report contains only project costs.

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

Admin Infrastructure - (20221)	1000835 - Systemwide Facility Improvements	\$ 568,992	\$ 1,925,000	See page 33.
Project Delivery - (20511)	1000431 - Systemwide Roadway Improvements	\$ 8,286,200	\$ 29,784,754	See page 35.
Project Delivery - (20511)	1000833 - Systemwide Bridge Repair	\$ 515,000	\$ -	See page 37.
System & Incdnt Mngmt - (20611)	1000431 - Systemwide Roadway Improvements	\$ 250,000	\$ -	See page 39.

Project Title:	IT Roadway and Parking Spare Parts and Tools	Department (Name/Dept #): Information Technology - (20111)/20111					CIP #: 1000431	
Description:	IT Roadway and Parking system parts and tools to maintain the system.	Roadway (Name/Fund #): Reserve Maintenance Fund - (1201)/1201					Purpose Priority: 1	
		Operational and Maintenance Costs:						
Justification:	IT Roadway and Parking requires parts replacement and tools to maintain the system.		FY2017	FY2018	FY2019	FY2020	FY2021	
		Personnel	--	--	--	--	--	
		Supplies Expense	--	--	--	--	--	
		Services and Charges	--	--	--	--	--	
		Software Annual Support	--	--	--	--	--	
	Property Management	--	--	--	--	--		
	Totals	--	--	--	--	--		
		Budget	Budget					Five Year Totals
Project Allocation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2017 - FY2021	
Infrastructure Rdway/Hwy/Bridg - (541401)	5,790,000	3,225,000	2,575,000	1,755,000	650,000	850,000	9,055,000	
Total Allocations	5,790,000	3,225,000	2,575,000	1,755,000	650,000	850,000	9,055,000	
Reimbursements								
Total Reimbursement	--	--	--	--	--	--	--	
Source of Funds (1)								
Revenue Distribution from the Revenue Fund	5,790,000	3,225,000	2,575,000	1,755,000	650,000	850,000	9,055,000	
Total Funds	5,790,000	3,225,000	2,575,000	1,755,000	650,000	850,000	9,055,000	

(1) Provided by Finance

Project Title:	Server Hardware Upgrades and Replacements	Department (Name/Dept #): Information Technology - (20111)/20111				CIP #: 1000825		
Description:	NTTA servers and storage infrastructure are on a five year replacement schedule.	Roadway (Name/Fund #): Reserve Maintenance Fund - (1201)/1201				Purpose Priority: 1		
		Operational and Maintenance Costs:						
Justification:	The infrastructure for the various NTTA systems must have current support and maintenance agreements.		FY2017	FY2018	FY2019	FY2020	FY2021	
		Personnel	--	--	--	--	--	
		Supplies Expense	--	--	--	--	--	
		Services and Charges	--	--	--	--	--	
		Software Annual Support	--	--	--	--	--	
		Property Management	--	--	--	--	--	
		Totals	--	--	--	--	--	
		Budget	Budget					Five Year Totals
Project Allocation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2017 - FY2021	
Computers - (531641)	4,000,000	3,032,000	2,032,000	2,032,000	1,000,000	5,000,000	13,096,000	
Total Allocations	4,000,000	3,032,000	2,032,000	2,032,000	1,000,000	5,000,000	13,096,000	
Reimbursements								
Total Reimbursement	--	--	--	--	--	--	--	
Source of Funds (1)								
Revenue Distribution from the Revenue Fund	4,000,000	3,032,000	2,032,000	2,032,000	1,000,000	5,000,000	13,096,000	
Total Funds	4,000,000	3,032,000	2,032,000	2,032,000	1,000,000	5,000,000	13,096,000	

(1) Provided by Finance

Project Title:	Computer Hardware Upgrades and Replacements	Department (Name/Dept #): Information Technology - (20111)/20111					CIP #: 1000826	
Description:	Supplying or replacing workstations and laptops for staff members throughout the Authority.	Roadway (Name/Fund #): Reserve Maintenance Fund - (1201)/1201					Purpose Priority: 1	
		Operational and Maintenance Costs:						
Justification:	Computers/Laptops have a usable lifespan of four years. An extended warranty program is used to ensure the resource is available through the usable time frame.	Personnel	FY2017	FY2018	FY2019	FY2020	FY2021	--
		Supplies Expense	--	--	--	--	--	--
		Services and Charges	--	--	--	--	--	--
		Software Annual Support	--	--	--	--	--	--
		Property Management	--	--	--	--	--	--
Totals		--	--	--	--	--	--	
		Budget	Budget					Five Year Totals
Project Allocation		FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2017 - FY2021
Computers - (531641)		1,427,500	2,135,000	690,000	748,000	750,000	480,000	4,803,000
Total Allocations		1,427,500	2,135,000	690,000	748,000	750,000	480,000	4,803,000
Reimbursements								
Total Reimbursement		--	--	--	--	--	--	--
Source of Funds (1)								
Revenue Distribution from the Revenue Fund		1,427,500	2,135,000	690,000	748,000	750,000	480,000	4,803,000
Total Funds		1,427,500	2,135,000	690,000	748,000	750,000	480,000	4,803,000

(1) Provided by Finance

Project Title:	Printer Hardware Upgrades and Replacements	Department (Name/Dept #): Information Technology - (20111)/20111				CIP #: 1000827	
Description:	Replacement of printers after useful life has expired. Average replacement cost for printers is \$3,500.	Roadway (Name/Fund #): Reserve Maintenance Fund - (1201)/1201				Purpose Priority: 1	
		Operational and Maintenance Costs:					
Justification:	Printer's average warranty is four years. Replaced after warranty expires to ensure availability of critical resource. One quarter of inventory is 40 printers.	Personnel	FY2017	FY2018	FY2019	FY2020	FY2021
		Supplies Expense	--	--	--	--	--
		Services and Charges	--	--	--	--	--
		Software Annual Support	--	--	--	--	--
		Property Management	--	--	--	--	--
Totals		--	--	--	--	--	
		Budget	Budget				Five Year Totals
Project Allocation		FY2016	FY2017	FY2018	FY2019	FY2020	FY2021
Computers - (531641)		199,000	200,000	209,000	213,000	218,000	221,400
Total Allocations		199,000	200,000	209,000	213,000	218,000	221,400
Reimbursements							
Total Reimbursement		--	--	--	--	--	--
Source of Funds (1)							
Revenue Distribution from the Revenue Fund		199,000	200,000	209,000	213,000	218,000	221,400
Total Funds		199,000	200,000	209,000	213,000	218,000	221,400

(1) Provided by Finance

Project Title:	Network Equipment and Communication Systems Replacement	Department (Name/Dept #): Information Technology - (20111)/20111					CIP #: 1000828	
Description:	Non-recurring purchase of hardware associated with requirements identified by NTTA departments related to staff growth, hardware obsolescence, etc.	Roadway (Name/Fund #): Reserve Maintenance Fund - (1201)/1201					Purpose Priority: 1	
Justification:		Increase in employee head-count or to increase efficiencies require the acquisition of hardware.						
		Operational and Maintenance Costs:						
			FY2017	FY2018	FY2019	FY2020	FY2021	
		Personnel	--	--	--	--	--	--
		Supplies Expense	--	--	--	--	--	--
		Services and Charges	--	--	--	--	--	--
		Software Annual Support	--	--	--	--	--	--
		Property Management	--	--	--	--	--	--
		Totals	--	--	--	--	--	--
	Budget	Budget					Five Year Totals	
Project Allocation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2017 - FY2021	
Electronic Supplies - (531106)	1,939,500	1,939,500	774,500	1,729,500	774,500	729,500	5,947,500	
Total Allocations	1,939,500	1,939,500	774,500	1,729,500	774,500	729,500	5,947,500	
Reimbursements								
Total Reimbursement	--	--	--	--	--	--	--	
Source of Funds (1)								
Revenue Distribution from the Revenue Fund	1,939,500	1,939,500	774,500	1,729,500	774,500	729,500	5,947,500	
Total Funds	1,939,500	1,939,500	774,500	1,729,500	774,500	729,500	5,947,500	

(1) Provided by Finance

Project Title:	Software and Licensing	Department (Name/Dept #): Information Technology - (20111)/20111					CIP #: 1000829	
Description:	Software and other services associated with requirements identified by NTTA departments.	Roadway (Name/Fund #): Reserve Maintenance Fund - (1201)/1201					Purpose Priority: 1	
		Operational and Maintenance Costs:						
Justification:	Software required for increased head-count and to increase the efficiency of operations.	Personnel	FY2017	FY2018	FY2019	FY2020	FY2021	--
		Supplies Expense	--	--	--	--	--	--
		Services and Charges	--	--	--	--	--	--
		Software Annual Support	--	--	--	--	--	--
		Property Management	--	--	--	--	--	--
Totals		--	--	--	--	--	--	
		Budget	Budget					Five Year Totals
Project Allocation		FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2017 - FY2021
Software - (531651)		280,000	285,000	210,000	210,000	210,000	210,000	1,125,000
Total Allocations		280,000	285,000	210,000	210,000	210,000	210,000	1,125,000
Reimbursements								
Total Reimbursement		--	--	--	--	--	--	--
Source of Funds (1)								
Revenue Distribution from the Revenue Fund		280,000	285,000	210,000	210,000	210,000	210,000	1,125,000
Total Funds		280,000	285,000	210,000	210,000	210,000	210,000	1,125,000

(1) Provided by Finance

Project Title:	Systemwide RMF Projects - Buildings	Department (Name/Dept #): Admin Infrastructure - (20221)/20221					CIP #: 1000835	
Description:	Building repairs or component/equipment replacements. Projects include roof repairs, HVAC equipment repairs and structural repairs.	Roadway (Name/Fund #): Reserve Maintenance Fund - (1201)/1201					Purpose Priority: --	
		Operational and Maintenance Costs:						
Justification:	To maintain NTTA assets at or above the Board-approved level of quality. Projects must be performed at the "right time" to prevent higher cost of repairs at a later time.		FY2017	FY2018	FY2019	FY2020	FY2021	
		Personnel	--	--	--	--	--	
		Supplies Expense	--	--	--	--	--	
		Services and Charges	--	--	--	--	--	
		Software Annual Support	--	--	--	--	--	
	Property Management	--	--	--	--	--		
	Totals	--	--	--	--	--		
		Budget	Budget					Five Year Totals
Project Allocation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2017 - FY2021	
Building Improvements - (541302)	568,992	1,925,000	775,000	1,106,000	960,000	110,000	4,876,000	
Total Allocations	568,992	1,925,000	775,000	1,106,000	960,000	110,000	4,876,000	
Reimbursements								
Total Reimbursement	--	--	--	--	--	--	--	
Source of Funds (1)								
Revenue Distribution from the Revenue Fund	868,992	1,925,000	775,000	1,106,000	960,000	110,000	4,876,000	
Total Funds	868,992	1,925,000	775,000	1,106,000	960,000	110,000	4,876,000	

(1) Provided by Finance

Project Title:	Systemwide RMF - Fleet	Department (Name/Dept #): Admin Infrastructure - (20221)/20221					CIP #: 1000840	
Description:	Purchase trucks, fleet & equipment.	Roadway (Name/Fund #): Reserve Maintenance Fund - (1201)/1201					Purpose Priority: --	
		Operational and Maintenance Costs:						
Justification:	Replace equipment determined more costly to operate & maintain than new equipment or is unable to operate at a level effective enough to maintain NTTA's system at or above Board established level.		FY2017	FY2018	FY2019	FY2020	FY2021	
		Personnel	--	--	--	--	--	
		Supplies Expense	--	--	--	--	--	
		Services and Charges	--	--	--	--	--	
		Software Annual Support	--	--	--	--	--	
	Property Management	--	--	--	--	--		
	Totals	--	--	--	--	--		
		Budget	Budget					Five Year Totals
Project Allocation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2017 - FY2021	
Machinery - (531611)	701,500	544,100	511,800	463,998	336,498	367,200	2,223,596	
Vehicles - (531621)	1,974,500	1,367,046	1,419,000	1,413,950	1,554,500	1,444,600	7,199,096	
Total Allocations	2,676,000	1,911,146	1,930,800	1,877,948	1,890,998	1,811,800	9,422,692	
Reimbursements								
Total Reimbursement	--	--	--	--	--	--	--	
Source of Funds (1)								
Revenue Distribution from the Revenue Fund	2,676,000	1,911,146	1,930,800	1,877,948	1,890,998	1,811,800	9,422,692	
Total Funds	2,676,000	1,911,146	1,930,800	1,877,948	1,890,998	1,811,800	9,422,692	

(1) Provided by Finance

Project Title:	Systemwide RMF Projects - Roadway	Department (Name/Dept #): Project Delivery - (20511)/20511					CIP #: 1000431	
Description:	Major roadway repair or replacement projects. To address base failures, significant sub-grade movement, erosion, or settlement at pavement edges & surface skid resistance.	Roadway (Name/Fund #): Reserve Maintenance Fund - (1201)/1201					Purpose Priority: --	
		Operational and Maintenance Costs:						
Justification:	To maintain NTTA assets at or above the Board-approved level of quality. Projects must be performed at the "right time" to prevent higher cost of repairs at a later time.		FY2017	FY2018	FY2019	FY2020	FY2021	
		Personnel	--	--	--	--	--	
		Supplies Expense	--	--	--	--	--	
		Services and Charges	--	--	--	--	--	
		Software Annual Support	--	--	--	--	--	
	Property Management	--	--	--	--	--		
	Totals	--	--	--	--	--		
		Budget	Budget					Five Year Totals
Project Allocation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2017 - FY2021	
General Engineering - (521213)	1,846,605	2,027,200	2,119,810	2,217,051	2,319,153	2,426,361	11,109,575	
Landscaping - (522202)	60,000	190,000	180,000	210,000	170,000	190,000	940,000	
Signing Expense - (522203)	290,000	2,907,000	1,377,000	--	--	574,000	4,858,000	
Pavement Markings - (522204)	2,685,000	2,921,754	900,000	4,321,000	3,165,000	3,031,553	14,339,307	
Pavement & Shoulders - (522205)	2,868,395	20,325,000	10,584,000	6,550,000	2,625,000	17,211,000	57,295,000	
Infrastructure Rdway/Hwy/Bridg - (541401)	536,200	1,413,800	700,000	--	800,000	150,000	3,063,800	
Total Allocations	8,286,200	29,784,754	15,860,810	13,298,051	9,079,153	23,582,914	91,605,682	
Reimbursements								
Total Reimbursement	--	--	--	--	--	--	--	
Source of Funds (1)								
Revenue Distribution from the Revenue Fund	8,286,200	29,784,754	15,860,810	13,298,051	9,079,153	23,582,914	91,605,682	
Total Funds	8,286,200	29,784,754	15,860,810	13,298,051	9,079,153	23,582,914	91,605,682	

(1) Provided by Finance

Project Title:	Systemwide RMF Projects - Walls	Department (Name/Dept #): Project Delivery - (20511)/20511					CIP #: 1000831
Description:	Retaining & screening wall repair and replacement projects. Projects include items such as MSE wall joint repair and repair of damaged wall panels.	Roadway (Name/Fund #): Reserve Maintenance Fund - (1201)/1201					Purpose Priority: --
		Operational and Maintenance Costs:					
Justification:	To maintain NTTA assets at or above the Board-approved level of quality, and ultimately for the safety of NTTA customers. Projects must be performed at the "right time" to prevent higher cost of repairs at a later time.		FY2017	FY2018	FY2019	FY2020	FY2021
		Personnel	--	--	--	--	--
		Supplies Expense	--	--	--	--	--
		Services and Charges	--	--	--	--	--
		Software Annual Support	--	--	--	--	--
	Property Management	--	--	--	--	--	
	Totals	--	--	--	--	--	
	Budget	Budget					Five Year Totals
Project Allocation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2017 - FY2021
Infrastructure Rdway/Hwy/Bridg - (541401)	50,000	1,950,000	350,000	375,000	425,000	375,000	3,475,000
Total Allocations	50,000	1,950,000	350,000	375,000	425,000	375,000	3,475,000
Reimbursements							
Total Reimbursement	--	--	--	--	--	--	--
Source of Funds (1)							
Revenue Distribution from the Revenue Fund	50,000	1,950,000	350,000	375,000	425,000	375,000	3,475,000
Total Funds	50,000	1,950,000	350,000	375,000	425,000	375,000	3,475,000

(1) Provided by Finance

Project Title:	Systemwide RMF Projects - Bridges	Department (Name/Dept #): Project Delivery - (20511)/20511				CIP #: 1000833		
Description:	Bridge repair items include such items as approach slab settlement or buckling, abutment wall cracking, bent cap cracking, wearing of driving surface (skid resistance), and deck deterioration.	Roadway (Name/Fund #): Reserve Maintenance Fund - (1201)/1201				Purpose Priority: --		
		Operational and Maintenance Costs:						
Justification:	To maintain NTTA assets at or above the Board-approved level of quality and ultimately for the safety of NTTA's customers. Projects must be performed at the "right time" to prevent higher cost of repairs at a later time.		FY2017	FY2018	FY2019	FY2020	FY2021	
		Personnel	--	--	--	--	--	--
		Supplies Expense	--	--	--	--	--	--
		Services and Charges	--	--	--	--	--	--
		Software Annual Support	--	--	--	--	--	--
		Property Management	--	--	--	--	--	
		Totals	--	--	--	--	--	
		Budget	Budget					Five Year Totals
Project Allocation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2017 - FY2021	
Bridge Repairs - (522206)	515,000	4,330,000	1,825,000	2,600,000	2,375,000	1,700,000	12,830,000	
Total Allocations	515,000	4,330,000	1,825,000	2,600,000	2,375,000	1,700,000	12,830,000	
Reimbursements								
Total Reimbursement	--	--	--	--	--	--	--	
Source of Funds (1)								
Revenue Distribution from the Revenue Fund	515,000	4,330,000	1,825,000	2,600,000	2,375,000	1,700,000	12,830,000	
Total Funds	515,000	4,330,000	1,825,000	2,600,000	2,375,000	1,700,000	12,830,000	

(1) Provided by Finance

Project Title: Systemwide RMF - Annual Inspections		Department (Name/Dept #): Project Delivery - (20511)/20511				CIP #: 1000836	
Description: Annual visual inspection of NTTA's assets including pavement, bridges, walls, tunnel, roadside appurtenances, buildings/facilities, etc.		Roadway (Name/Fund #): Reserve Maintenance Fund - (1201)/1201				Purpose Priority: --	
Justification: To assess asset condition and to assist identifying potential repair projects. Inspection process allows NTTA to maintain their assets at or above the Board-approved performance level.		Operational and Maintenance Costs:					
			<u>FY2017</u>	<u>FY2018</u>	<u>FY2019</u>	<u>FY2020</u>	<u>FY2021</u>
		Personnel	--	--	--	--	--
		Supplies Expense	--	--	--	--	--
		Services and Charges	--	--	--	--	--
		Software Annual Support	--	--	--	--	--
		Property Management	--	--	--	--	--
		Totals	--	--	--	--	--
		Budget	Budget	Budget	Budget	Budget	Five Year Totals
Project Allocation	Budget	FY2017	FY2018	FY2019	FY2020	FY2021	FY2017 - FY2021
	FY2016						
Consulting/Profess Serv Tech - (521301)	1,404,812	1,033,606	1,405,852	1,573,907	1,747,056	1,622,377	7,382,798
Total Allocations	1,404,812	1,033,606	1,405,852	1,573,907	1,747,056	1,622,377	7,382,798
Reimbursements							
Total Reimbursement	--	--	--	--	--	--	--
Source of Funds (1)							
Revenue Distribution from the Revenue Fund	1,404,812	1,033,606	1,405,852	1,573,907	1,747,056	1,622,377	7,382,798
Total Funds	1,404,812	1,033,606	1,405,852	1,573,907	1,747,056	1,622,377	7,382,798

(1) Provided by Finance

Project Title:	SIM Reserve Maintenance Fund	Department (Name/Dept #): System & Incdnt Mngmt - (20611)/20611				CIP #: 1000431		
Description:	Roadway Safety Services (RSS) mobile data & dispatch computers, roadway safety service tools.	Roadway (Name/Fund #): Reserve Maintenance Fund - (1201)/1201				Purpose Priority: --		
		Operational and Maintenance Costs:						
Justification:	To increase efficiency and accuracy with response and clearance times and for tools and equipment to maintain the system.		FY2017	FY2018	FY2019	FY2020	FY2021	
		Personnel	--	--	--	--	--	--
		Supplies Expense	--	--	--	--	--	--
		Services and Charges	--	--	--	--	--	--
		Software Annual Support	--	--	--	--	--	--
	Property Management	--	--	--	--	--	--	
	Totals	--	--	--	--	--	--	
		Budget	Budget					Five Year Totals
Project Allocation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2017 - FY2021	
Small Tools and Shop Supplies - (531601)	75,000	75,000	75,000	75,000	75,000	75,000	375,000	
Computers - (531641)	175,000	25,000	20,000	15,000	--	--	60,000	
Total Allocations	250,000	100,000	95,000	90,000	75,000	75,000	435,000	
Reimbursements								
Total Reimbursement	--	--	--	--	--	--	--	
Source of Funds (1)								
Revenue Distribution from the Revenue Fund	250,000	100,000	95,000	90,000	75,000	75,000	435,000	
Total Funds	250,000	100,000	95,000	90,000	75,000	75,000	435,000	

(1) Provided by Finance



CAPITAL IMPROVEMENT PROJECTS



Capital Improvement Projects

Capital improvement projects may include repairs, resurfacing, additions, renewals, improvements, reconstruction and replacements, acquisition of right of way, engineering design and studies. Projects include but are not limited to the following:

DALLAS NORTH TOLLWAY FOURTH LANE (PGBT TO SRT)

NTTA will add a fourth lane to the DNT in each direction between President George Bush Turnpike and the Sam Rayburn Tollway. Construction is underway and is anticipated to be complete in early FY2018. The FY2017–FY2021 Capital Plan includes \$43.1 million for this project. Total project construction costs are estimated at \$113.9 million.

DALLAS NORTH TOLLWAY FOURTH LANE (I-635 TO PGBT)

NTTA will add a fourth lane in each direction of the DNT from Belt Line Road to the PGBT within the existing right of way. Construction is underway and scheduled for completion in early FY2018. The FY2017–FY2021 Capital Plan includes \$14.0 million for this project. Total project construction costs are estimated at \$25.0 million.

DALLAS NORTH TOLLWAY/PRESIDENT GEORGE BUSH TURNPIKE INTERCHANGE IMPROVEMENTS

The DNT/ PGBT interchange improvement project increases capacity and improves the flow of traffic on the northern direct connectors and through the interchange. Construction is underway and is anticipated to be complete in early FY2018. The FY2017–FY2021 Capital Plan includes \$33.9 million for this project. Total project construction costs are estimated at \$101.4 million.



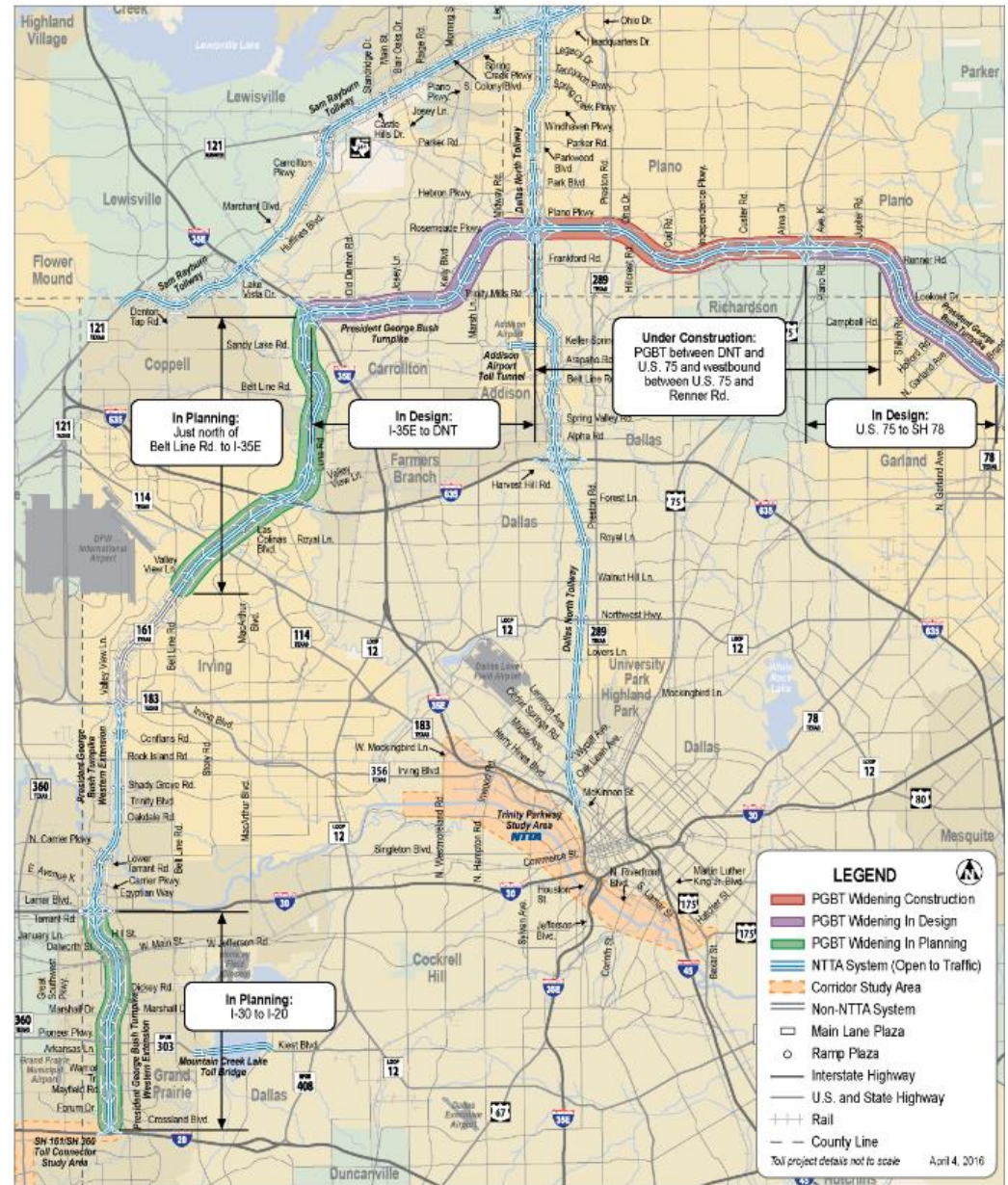
Capital Improvement Projects (continued)

PRESIDENT GEORGE BUSH TURNPIKE WIDENING PROJECT BETWEEN BELT LINE ROAD AND SH 78

NTTA will add a fourth lane in each direction between Belt Line Road and U.S. 78. Construction is underway and is anticipated to be complete in stages between FY2016-FY2020.

- Phase 1 [between U.S. 75 and DNT]: Construction began May FY2015; anticipated completion late FY2016.
- Phase 2 [from SH 78 to U.S. 75 and DNT to I-35E]; Construction anticipated to begin in FY2017; anticipated completion end of FY2019.
- Phase 3 [I-35E to north of Belt Line Road (Irving)]; Construction anticipated to begin in 2018; anticipated completion in FY2020.

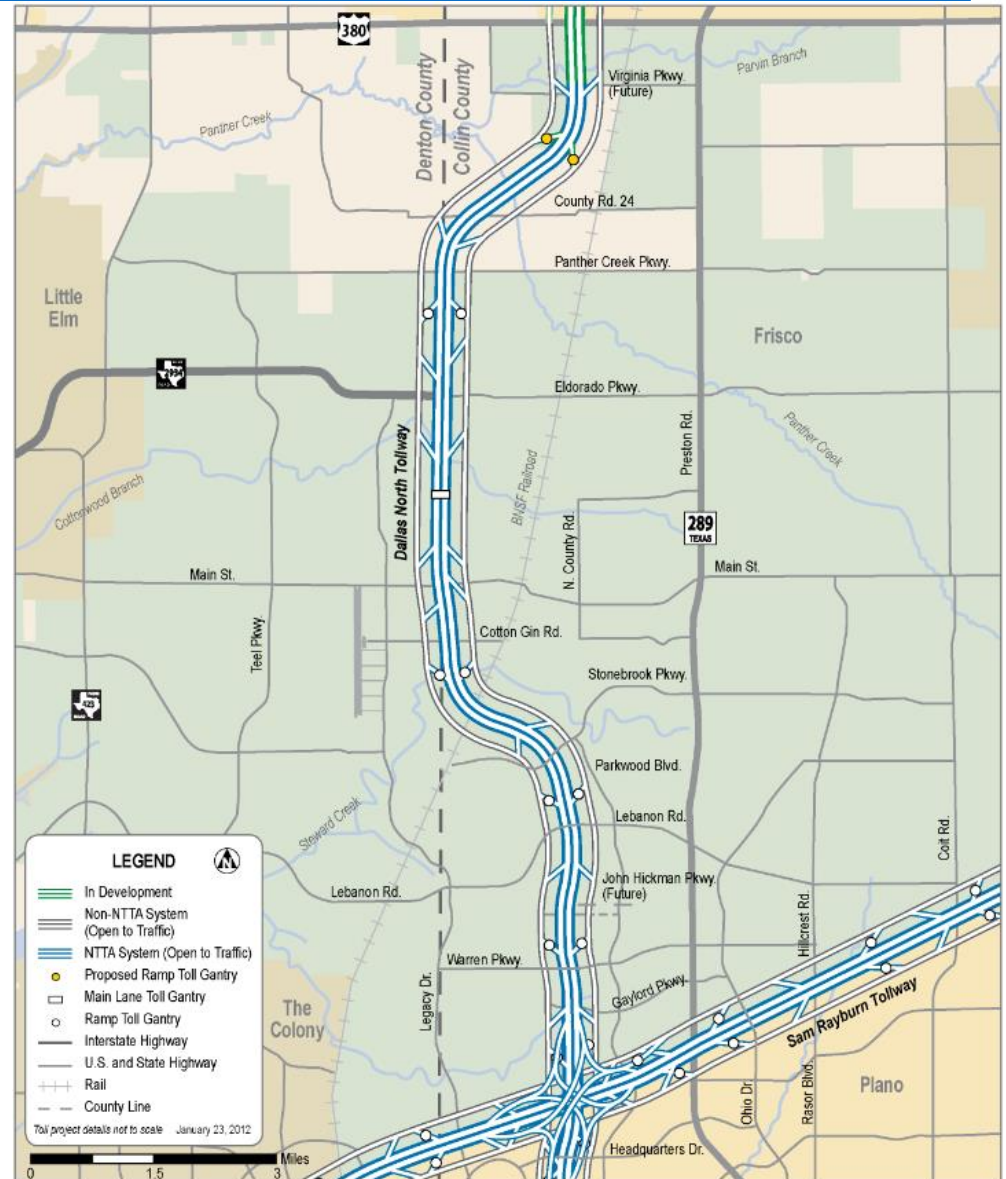
The FY2017–FY2021 Capital Plan includes \$84.1 million for this project. Total project construction costs are estimated at \$96.0 million.



Capital Improvement Projects (continued)

DALLAS NORTH TOLLWAY PHASE 4A (BRIDGES OVER U.S. 380)

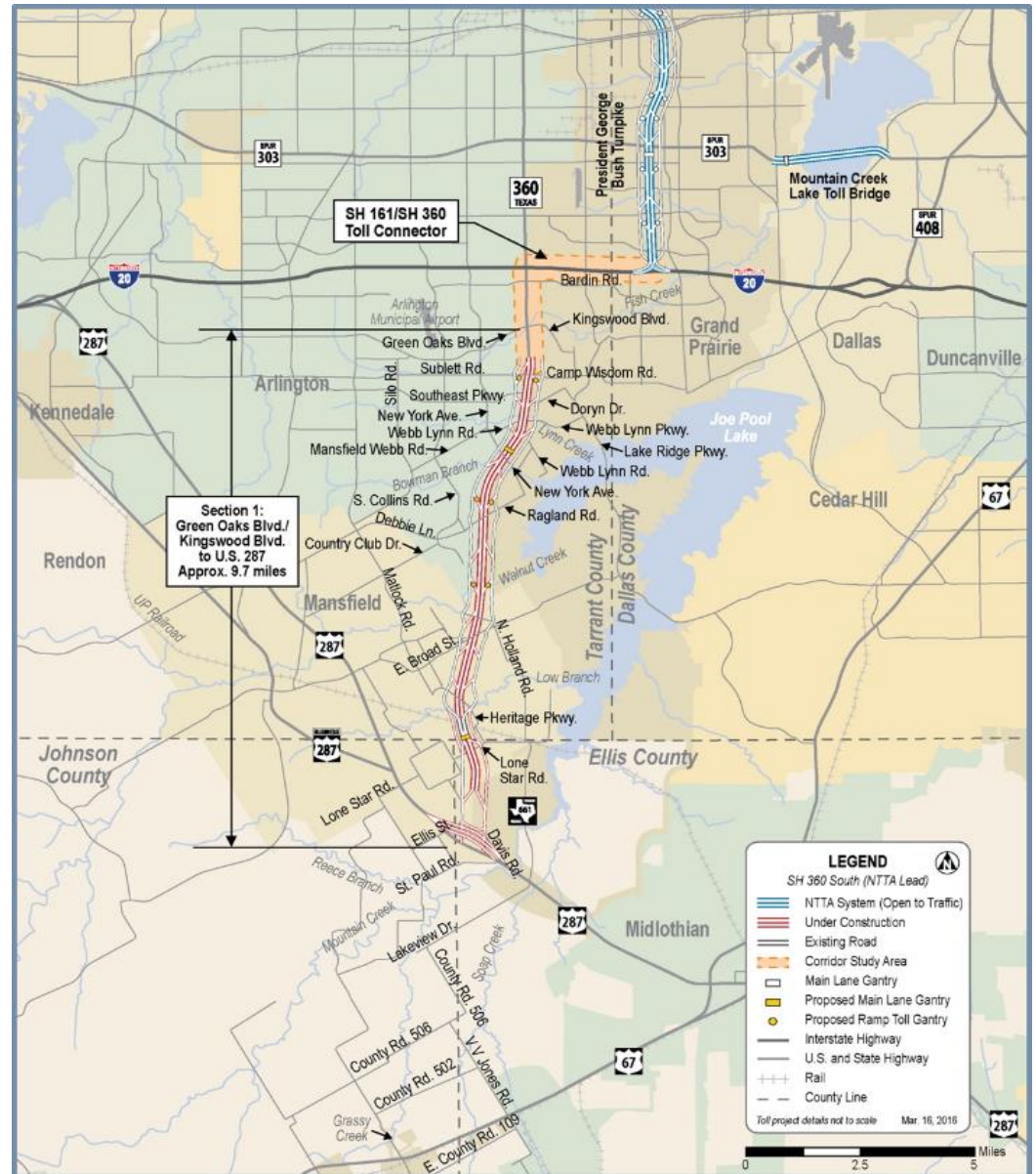
NTTA is planning to extend the DNT north by constructing mainlane bridges over U.S. 380. Construction is anticipated to begin in FY2019 and is scheduled for completion in FY2021. The FY2017-FY2021 Capital Plan includes the total estimated project construction cost of \$102.0 million.



Capital Improvement Projects (continued)

STATE HIGHWAY 360 SOUTH

The proposed SH 360-South Toll project extends the roadway between the existing frontage roads from its current terminus of Green Oaks Blvd in southern Tarrant County to U.S. 287 in northwestern Ellis County and northeastern Johnson County. Texas Department of Transportation (TxDOT) will develop the project through an agreement with NTTA. TxDOT will fund, design and build the SH 360 South Toll project and give the project to NTTA upon construction completion to own, operate and maintain. Construction on the project began in November FY2015 and is anticipated to be completed in the Spring of 2018.



Capital Improvement Projects (continued)

BUILDINGS

Buildings are being constructed, modified, improved or expanded as the NTTA System expands. Annual reviews are conducted to identify any required improvements. Over the next five years, the Capital Plan includes \$5.5 million in this category.

RECONSTRUCTION/REPAIR OF RETAINING WALLS

Several retaining wall projects are being developed to address identified issues. The FY2017 – FY2021 Capital Plan includes \$38.0 million for this project.

EQUIPMENT/HARDWARE/SOFTWARE

As NTTA grows, it is important to upgrade infrastructure to maintain satisfactory services to internal and external customers. This includes upgrading equipment, hardware and software. Some of the major upgrades included in the FY2017 – FY2021 Capital Plan are as follows: network, disaster recovery, enterprise storage, toll collection system enhancement, intelligent transportation systems and items related to information security and compliance. This FY2017 – FY2021 Capital Plan includes \$138.0 million for this category; an average of \$27.8 million per year.

COLLECTION AND ENFORCEMENT REMEDIES

This \$1.1 million project is the continuation of efforts to implement toll enforcement remedies and improve collections approved by the Texas Legislature in FY2013. Activities implemented will transition to the OMF budget upon completion.

ROADWAYS

Various improvement projects are planned across the NTTA System including but not limited to repairs, resurfacing, reconstruction and replacements. This FY2017 – FY2021 Capital Plan includes \$41.4 million for this category.



Capital Improvement Fund - (1501) - Project List FY2017 - FY2021 CAPITAL PLAN

Department	Project	Estimated FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	Five Year Total FY2017 - FY2021
Information Technology - (20111)	1000030 - Facility Improvements	500,000	0	0	0	0	0	0
Information Technology - (20111)	7000002 - Document Management and Imaging System	700,000	850,000	500,000	0	0	300,000	1,650,000
Information Technology - (20111)	7000005 - Business Analytics	500,000	400,000	400,000	500,000	250,000	250,000	1,800,000
Information Technology - (20111)	7000006 - PCI Compliance	1,798,000	1,928,000	1,000,000	1,000,000	1,000,000	1,000,000	5,928,000
Information Technology - (20111)	7000008 - Disaster Recovery	10,000,000	2,000,000	3,000,000	2,500,000	2,500,000	0	10,000,000
Information Technology - (20111)	7000011 - Intelligent Transportation Systems Retrofit	3,400,000	4,150,000	3,400,000	1,400,000	900,000	600,000	10,450,000
Information Technology - (20111)	7000013 - Syst. Enhancements-PS-FIN	100,000	0	0	0	180,000	0	180,000
Information Technology - (20111)	7000015 - Syst. Enhancements-MMS	100,000	0	0	100,000	350,000	50,000	500,000
Information Technology - (20111)	7000017 - EPDS Enhancements	100,000	1,090,000	300,000	0	0	240,000	1,630,000
Information Technology - (20111)	7000018 - Redesign of Internet and Intranet	1,000,000	850,000	200,000	0	0	0	1,050,000
Information Technology - (20111)	7000020 - GPS Navigation	20,000	0	0	0	0	0	0
Information Technology - (20111)	7000021 - PeopleSoft HR HCM Enhancements	400,000	530,000	0	0	180,000	0	710,000
Information Technology - (20111)	7000022 - Digital Aerial Photography	100,000	148,200	0	148,200	0	148,200	444,600
Information Technology - (20111)	7000024 - Toll Collection Sys Software Enhancemnts/Maint	8,100,000	6,000,000	3,000,000	2,000,000	2,000,000	0	13,000,000
Information Technology - (20111)	7000026 - Workload Automation	0	200,000	200,000	0	0	0	400,000
Information Technology - (20111)	7000033 - Microsoft Enterprise Agreement	1,000,000	1,800,000	1,900,000	1,000,000	1,000,000	1,000,000	6,700,000
Information Technology - (20111)	7000034 - Oracle Unlimited License Agrmt	3,703,558	3,600,000	3,600,000	4,200,000	4,200,000	4,200,000	19,800,000
Information Technology - (20111)	7000036 - VoIP Upgrades	200,000	0	0	0	0	0	0
Information Technology - (20111)	7000040 - Virtualization/Hardware Reduction	500,000	300,000	0	0	0	0	300,000
Information Technology - (20111)	7000047 - Toll Enforcement Remedies	2,000,000	500,000	500,000	0	0	0	1,000,000
Information Technology - (20111)	7000050 - GIS Enhancement	150,000	258,200	85,000	10,000	10,000	158,200	521,400
Information Technology - (20111)	7000051 - Mobile App Enhancements	1,200,000	150,000	150,000	1,500,000	0	0	1,800,000
Information Technology - (20111)	7000052 - Application Testing Suite	500,000	500,000	0	0	0	0	500,000
Information Technology - (20111)	7000053 - Reconciliation Sys Enhancements	75,000	50,000	0	0	0	0	50,000
Information Technology - (20111)	7000054 - Service Desk Software Enhancements	400,000	250,000	0	0	0	0	250,000
Information Technology - (20111)	7000056 - Toll Collection System Implementation	5,000,000	10,000,000	23,500,000	10,500,000	3,000,000	0	47,000,000
Information Technology - (20111)	7000057 - Cloud Computing	0	200,000	0	0	0	0	200,000
Information Technology - (20111)	7000058 - Infrastructure Professional Service	900,000	600,000	200,000	0	0	0	800,000
Information Technology - (20111)	7000059 - Monitoring 24x7	400,000	280,000	0	0	0	0	280,000
Information Technology - (20111)	7000062 - Conf Rooms Display Enhancement	250,000	250,000	0	0	0	0	250,000
Information Technology - (20111)	7000063 - Video Conferencing-visual Enhancement	195,000	0	0	0	0	0	0
Information Technology - (20111)	7000064 - Board Room Video/Presentation Enhancement	125,000	0	0	0	0	0	0
Information Technology - (20111)	7000065 - At Your Service	150,000	0	0	100,000	0	0	100,000
Information Technology - (20111)	7000066 - Customer Correspondence	200,000	310,000	0	0	290,000	0	600,000
Information Technology - (20111)	7000067 - DataLogger	425,000	0	100,000	0	100,000	0	200,000
Information Technology - (20111)	7000068 - National IOP	400,000	2,500,000	200,000	100,000	100,000	100,000	3,000,000
Information Technology - (20111)	7000069 - PMIS Development	200,000	150,000	0	0	150,000	0	300,000
Information Technology - (20111)	7000070 - Multi-Channel Communications - CSC	4,000,000	2,000,000	700,000	500,000	100,000	0	3,300,000
Information Technology - (20111)	7000071 - LoneStar Module Expansion	200,000	200,000	100,000	230,000	50,000	50,000	630,000
Information Technology - (20111)	7000073 - Policy Procedure Manual Replacement	0	275,000	0	0	0	0	275,000
Information Technology - (20111)	7000074 - PCM Application Upgrade	0	330,000	0	0	30,000	0	360,000
Information Technology - (20111)	7000075 - Procurement Project Workflow Manager	0	350,000	0	0	0	28,000	378,000
Information Technology - (20111)	7000076 - Hyperion Upgrade/Forecasting Tool	0	470,000	0	0	470,000	0	940,000
Information Technology - (20111)	7000150 - Business Diversity Tracking	0	320,000	0	0	0	0	320,000
Information Technology - (20111)	7000964 - Planimetrics	750,000	0	0	0	0	0	0
Information Technology - (20111)	7001253 - Command Center Radio Upgrade	850,000	850,000	175,000	175,000	175,000	0	1,375,000
Information Technology - (20111) Total		50,591,558	44,639,400	43,210,000	25,963,200	17,035,000	8,124,400	138,972,000
Admin Infrastructure - (20221)	1000835 - Systemwide Facility Improvements	7,595,000	1,350,000	1,225,000	900,000	400,000	650,000	4,525,000
Admin Infrastructure - (20221) Total		7,595,000	1,350,000	1,225,000	900,000	400,000	650,000	4,525,000
Project Delivery - (20511)	1000431 - Systemwide Roadway Improvements	9,670,500	15,699,000	9,979,000	225,000	225,000	225,000	22,353,000
Project Delivery - (20511)	2000417 - PGBT 4th Lane Widening (CIF)	11,950,000	33,887,900	31,513,408	15,456,690	3,220,000	0	84,077,998
Project Delivery - (20511)	2000430 - MSE Wall Stabilization and Maintenance Program	18,000,000	13,200,000	13,200,000	4,700,000	2,900,000	4,000,000	38,000,000

Department	Project	Estimated FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	Five Year Total FY2017 - FY2021
Project Delivery - (20511)	2000434 - IH 35E	15,000	15,000	0	0	0	0	15,000
Project Delivery - (20511)	2100003 - DNT 4th Lane	40,650,000	36,416,000	5,972,000	700,000	0	0	43,088,000
Project Delivery - (20511)	2100004 - DNT/PGBT IC & Ramp Mods	30,210,000	28,202,000	5,266,000	458,000	0	0	33,926,000
Project Delivery - (20511)	2100007 - DNT PH4A	0	350,000	5,292,830	39,310,329	38,763,821	18,292,072	102,009,052
Project Delivery - (20511)	2100310 - DNT Segment 1 SWDG Implementation	0	0	1,270,000	8,095,000	4,155,000	144,000	13,664,000
Project Delivery - (20511)	2900000 - SH 360	100,000	2,230,000	100,000	0	0	0	2,330,000
Project Delivery - (20511)	7000055 - DNT Improvements	12,270,000	12,986,000	1,000,000	0	0	0	13,986,000
	Project Delivery - (20511) Total	122,865,500	142,985,900	69,593,238	68,945,019	49,263,821	22,661,072	353,449,050
System & Incdnt Mngmt - (20611)	1000431 - Systemwide Roadway Improvements	3,800,000	4,600,000	3,525,000	3,050,000	3,000,000	3,000,000	17,175,000
	System & Incdnt Mngmt - (20611) Total	3,800,000	4,600,000	3,525,000	3,050,000	3,000,000	3,000,000	17,175,000
Totals		\$184,852,058	\$193,575,300	\$117,553,238	\$98,858,219	\$69,698,821	\$34,435,472	\$514,121,050

FY2016 Project Adjustments

Information Technology - (20111)	1000030 - Facility Improvements	(500,000)	0	0	0	0	0	0
Information Technology - (20111)	7000002 - Document Management and Imaging System	(500,000)	0	0	0	0	0	0
Information Technology - (20111)	7000008 - Disaster Recovery	3,700,000	0	0	0	0	0	0
Information Technology - (20111)	7000011 - Intelligent Transportation Systems Retrofit	(2,000,000)	0	0	0	0	0	0
Information Technology - (20111)	7000015 - Syst. Enhancements-MMS	(100,000)	0	0	0	0	0	0
Information Technology - (20111)	7000018 - Redesign of Internet and Intranet	(1,000,000)	0	0	0	0	0	0
Information Technology - (20111)	7000024 - Toll Collection Sys Software Enhancemnts/Maint	(2,100,000)	0	0	0	0	0	0
Information Technology - (20111)	7000040 - Virtualization	(300,000)	0	0	0	0	0	0
Information Technology - (20111)	7000047 - Toll Enforcement Remedies	(1,800,000)	0	0	0	0	0	0
Information Technology - (20111)	7000051 - Mobile App Enhancements	(1,050,000)	0	0	0	0	0	0
Information Technology - (20111)	7000052 - Application Testing Suite	(500,000)	0	0	0	0	0	0
Information Technology - (20111)	7000053 - Reconciliation Sys Enhancements	(75,000)	0	0	0	0	0	0
Information Technology - (20111)	7000054 - Service Desk Software Enhancements	(100,000)	0	0	0	0	0	0
Information Technology - (20111)	7000056 - Toll Collection System Implementation	(4,000,000)	0	0	0	0	0	0
Information Technology - (20111)	7000059 - Monitoring 24x7	(120,000)	0	0	0	0	0	0
Information Technology - (20111)	7000063 - Video Conferencing-visual Enhancement	(195,000)	0	0	0	0	0	0
Information Technology - (20111)	7000065 - At Your Service	(150,000)	0	0	0	0	0	0
Information Technology - (20111)	7000067 - DataLogger	(165,000)	0	0	0	0	0	0
Information Technology - (20111)	7000068 - National IOP	(400,000)	0	0	0	0	0	0
Information Technology - (20111)	7000070 - Multi-Channel Communications - CSC	(3,300,000)	0	0	0	0	0	0
Information Technology - (20111)	7000964 - Planimetrics	(297,550)	0	0	0	0	0	0
Admin Infrastructure - (20221)	1000835 - Systemwide Facility Improvements	(6,870,000)	1,000,000	0	0	0	0	1,000,000
Project Delivery - (20511)	1000431 - Systemwide Roadway Improvements	(9,010,000)	200,000	0	0	0	0	200,000
Project Delivery - (20511)	2000430 - MSE Wall Stabilization and Maintenance Program	(9,000,000)	0	0	0	0	0	0
Project Delivery - (20511)	2000434 - IH 35E	(15,000)	0	0	0	0	0	0
Project Delivery - (20511)	2100003 - DNT 4th Lane	(4,860,000)	0	0	0	0	0	0
Project Delivery - (20511)	7000055 - DNT Improvements	(3,956,067)	0	0	0	0	0	0
System & Incdnt Mngmt - (20611)	1000431 - Systemwide Roadway Improvements	(1,050,000)	0	0	0	0	0	0
Totals		(\$49,713,617)	\$1,200,000	\$0	\$0	\$0	\$0	\$1,200,000
Total FY2017 - FY2021 Capital Improvement Project Costs		\$135,138,441	\$194,775,300	\$117,553,238	\$98,858,219	\$69,698,821	\$34,435,472	\$515,321,050

Report contains only project costs.

Department	Project	Estimated FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	Five Year Total FY2017 - FY2021
Changes to projects are color coded. Amounts must be added for total project cost.								
Information Technology - (20111)	1000030 - Facility Improvements	0	0					
Information Technology - (20111)	7000002 - Document Management and Imaging System	200,000	0	0	0	0	0	See page 51.
Information Technology - (20111)	7000008 - Disaster Recovery	13,700,000	0	0	0	0	0	See page 54.
Information Technology - (20111)	7000024 - Toll Collection Sys Software Enhancemnts/Maint	6,000,000	0	0	0	0	0	See page 63.
Information Technology - (20111)	7000040 - Virtualization	200,000	0	0	0	0	0	See page 68.
Information Technology - (20111)	7000047 - Toll Enforcement Remedies	200,000	0	0	0	0	0	See page 69.
Information Technology - (20111)	7000051 - Mobile App Enhancements	150,000	0	0	0	0	0	See page 71.
Information Technology - (20111)	7000052 - Application Testing Suite	0	0	0	0	0	0	See page 72.
Information Technology - (20111)	7000053 - Reconciliation Sys Enhancements	0	0	0	0	0	0	See page 73.
Information Technology - (20111)	7000054 - Service Desk Software Enhancements	300,000	0	0	0	0	0	See page 74.
Information Technology - (20111)	7000056 - Toll Collection System Implementation	1,000,000	0	0	0	0	0	See page 75.
Information Technology - (20111)	7000059 - Monitoring 24x7	280,000	0	0	0	0	0	See page 78.
Information Technology - (20111)	7000063 - Video Conferencing-visual Enhancement	0	0	0	0	0	0	
Information Technology - (20111)	7000065 - At Your Service	0	0	0	0	0	0	See page 81.
Information Technology - (20111)	7000067 - DataLogger	260,000	0	0	0	0	0	See page 83.
Information Technology - (20111)	7000068 - National IOP	0	0	0	0	0	0	See page 84.
Information Technology - (20111)	7000070 - Multi-Channel Communications - CSC	700,000	0	0	0	0	0	See page 86.
Admin Infrastructure - (20221)	1000835 - Systemwide Facility Improvements	725,000	2,350,000	0	0	0	0	See page 95.
Project Delivery - (20511)	1000431 - Systemwide Roadway Improvements	660,500	15,899,000	0	0	0	0	See page 96.
Project Delivery - (20511)	2000430 - MSE Wall Stabilization and Maintenance Program	9,000,000	0	0	0	0	0	See page 98.
Project Delivery - (20511)	2000434 - IH 35E	0	0	0	0	0	0	See page 99.
Project Delivery - (20511)	2100003 - DNT 4th Lane-Admin-CW	35,790,000	0	0	0	0	0	See page 100.
Project Delivery - (20511)	7000055 - DNT Improvements	8,313,933	0	0	0	0	0	See page 105.
System & Incdnt Mngmt - (20611)	1000431 - Systemwide Roadway Improvements	2,750,000	0	0	0	0	0	See page 106.

Project Title:	Document Imaging/Document Management System	Department (Name/Dept #): Information Technology - (20111)/20111				CIP #: 7000002	
Description:	Replacement of AppXtender/WebXtender which, is at end of life and unsupported.	Roadway (Name/Fund #): Capital Improvement Fund - (1501)/1501				Purpose Priority: 3	
		Operational and Maintenance Costs:					
Justification:	The AppXtender application is out of support and has limited functionality. Procurement and Legal have asked for a new application that allows for searchable documents with alternate keys.	Personnel	FY2017	FY2018	FY2019	FY2020	FY2021
		Supplies Expense	--	--	--	--	--
		Services and Charges	--	--	--	--	--
		Software Annual Support	--	--	--	--	--
		Property Management	--	--	--	--	--
Totals		--	--	--	--	--	
		Budget	Budget				Five Year Totals
Project Allocation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2017 - FY2021
Consulting/Profess Serv Tech - (521301)	100,000	500,000	500,000	--	--	150,000	1,150,000
Computers - (531641)	100,000	--	--	--	--	150,000	150,000
Software - (531651)	--	350,000	--	--	--	--	350,000
Total Allocations	200,000	850,000	500,000	--	--	300,000	1,650,000
Reimbursements							
Total Reimbursement	--	--	--	--	--	--	--
Source of Funds (1)							
Revenue Distribution from the Revenue Fund	200,000	850,000	500,000	--	--	300,000	1,650,000
Total Funds	200,000	850,000	500,000	--	--	300,000	1,650,000

(1) Provided by Finance

Project Title:	Business Analytics	Department (Name/Dept #): Information Technology - (20111)/20111				CIP #: 7000005		
Description:	Implementation of OBIEE to provide enhanced analytics for the organization.	Roadway (Name/Fund #): Capital Improvement Fund - (1501)/1501				Purpose Priority: 1		
		Operational and Maintenance Costs:						
Justification:	The current enterprise reporting system requires manual reporting. Oracle Business Intelligence Enterprise Edition (OBIEE) Analytics will be used to provide effective reporting and analytics from PeopleSoft for end user.		FY2017	FY2018	FY2019	FY2020	FY2021	
		Personnel	--	--	--	--	--	--
		Supplies Expense	--	--	--	--	--	--
		Services and Charges	--	--	--	--	--	--
		Software Annual Support	--	--	--	--	--	--
	Property Management	--	--	--	--	--	--	
	Totals	--	--	--	--	--	--	
		Budget	Budget					Five Year Totals
Project Allocation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2017 - FY2021	
Consulting/Profess Serv Tech - (521301)	450,000	50,000	50,000	100,000	250,000	250,000	700,000	
Computers - (531641)	50,000	150,000	150,000	200,000	--	--	500,000	
Software - (531651)	--	200,000	200,000	200,000	--	--	600,000	
Total Allocations	500,000	400,000	400,000	500,000	250,000	250,000	1,800,000	
Reimbursements								
Total Reimbursement	--	--	--	--	--	--	--	
Source of Funds (1)								
Revenue Distribution from the Revenue Fund	500,000	400,000	400,000	500,000	250,000	250,000	1,800,000	
Total Funds	500,000	400,000	400,000	500,000	250,000	250,000	1,800,000	

(1) Provided by Finance

Project Title:	Security Enhancement/PCI Compliance	Department (Name/Dept #): Information Technology - (20111)/20111					CIP #: 7000006	
Description:	This fund will be used for remediation efforts to comply with Payment Card Industry requirements as well as to implement security solutions based on new compliance requirements.	Roadway (Name/Fund #): Capital Improvement Fund - (1501)/1501					Purpose Priority: 1	
		Operational and Maintenance Costs:						
Justification:	As a level 1 merchant, NTTA must comply with PCI Data Security Standards in order to pass the PCI compliance audit every year. NTTA will also be required to comply with the new PCIDSS version 3 standards.		FY2017	FY2018	FY2019	FY2020	FY2021	
		Personnel	--	--	--	--	--	--
		Supplies Expense	--	--	--	--	--	--
		Services and Charges	--	--	--	--	--	--
		Software Annual Support	--	--	--	--	--	--
		Property Management	--	--	--	--	--	
		Totals	--	--	--	--	--	
		Budget	Budget					Five Year Totals
Project Allocation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2017 - FY2021	
Consulting/Profess Serv Tech - (521301)	164,000	928,000	500,000	500,000	500,000	500,000	2,928,000	
Computers - (531641)	1,189,000	500,000	250,000	250,000	250,000	250,000	1,500,000	
Software - (531651)	445,000	500,000	250,000	250,000	250,000	250,000	1,500,000	
Total Allocations	1,798,000	1,928,000	1,000,000	1,000,000	1,000,000	1,000,000	5,928,000	
Reimbursements								
Total Reimbursement	--	--	--	--	--	--	--	
Source of Funds (1)								
Revenue Distribution from the Revenue Fund	1,798,000	1,928,000	1,000,000	1,000,000	1,000,000	1,000,000	5,928,000	
Total Funds	1,798,000	1,928,000	1,000,000	1,000,000	1,000,000	1,000,000	5,928,000	

(1) Provided by Finance

Project Title:	Disaster Recovery	Department (Name/Dept #): Information Technology - (20111)/20111				CIP #: 7000008	
Description:	Provide a Disaster Recovery Site & Plan to support NTTA technology infrastructure.	Roadway (Name/Fund #): Capital Improvement Fund - (1501)/1501				Purpose Priority: 1	
		Operational and Maintenance Costs:					
Justification:	To provide Disaster Recovery infrastructure that will support the business requirements of the Authority. This will include servers, storage, network and security systems.		FY2017	FY2018	FY2019	FY2020	FY2021
		Personnel	--	--	--	--	--
		Supplies Expense	--	--	--	--	--
		Services and Charges	--	--	--	--	--
		Software Annual Support	--	--	--	--	--
		Property Management	--	--	--	--	--
		Totals	--	--	--	--	--
		Budget	Budget				Five Year Totals
Project Allocation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2017 - FY2021
Consulting/Profess Serv Tech - (521301)	1,500,000	1,000,000	800,000	430,000	430,000	--	2,660,000
Computers - (531641)	10,700,000	700,000	1,600,000	2,000,000	2,000,000	--	6,300,000
Software - (531651)	1,500,000	300,000	600,000	70,000	70,000	--	1,040,000
Total Allocations	13,700,000	2,000,000	3,000,000	2,500,000	2,500,000	--	10,000,000
Reimbursements							
Total Reimbursement	--	--	--	--	--	--	--
Source of Funds (1)							
Revenue Distribution from the Revenue Fund	13,700,000	2,000,000	3,000,000	2,500,000	2,500,000	--	10,000,000
Total Funds	13,700,000	2,000,000	3,000,000	2,500,000	2,500,000	--	10,000,000

(1) Provided by Finance

Project Title:	Intelligent Transportation System (ITS) Enhancements	Department (Name/Dept #): Information Technology - (20111)/20111				CIP #: 7000011	
Description:	Additional Intelligent Transportation System (ITS) locations & technologies.	Roadway (Name/Fund #): Capital Improvement Fund - (1501)/1501				Purpose Priority: 1	
Justification:		Operational and Maintenance Costs:					
			FY2017	FY2018	FY2019	FY2020	FY2021
		Personnel	--	--	--	--	--
		Supplies Expense	--	--	--	--	--
		Services and Charges	--	--	--	--	--
		Software Annual Support	--	--	--	--	--
		Property Management	--	--	--	--	--
		Totals	--	--	--	--	--
	Budget	Budget					Five Year Totals
Project Allocation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2017 - FY2021
Consulting/Profess Serv Tech - (521301)	300,000	300,000	300,000	200,000	200,000	200,000	1,200,000
Infrastructure - Other - (541403)	1,100,000	3,850,000	3,100,000	1,200,000	700,000	400,000	9,250,000
Total Allocations	1,400,000	4,150,000	3,400,000	1,400,000	900,000	600,000	10,450,000
Reimbursements							
Total Reimbursement	--	--	--	--	--	--	--
Source of Funds (1)							
Revenue Distribution from the Revenue Fund	1,400,000	4,150,000	3,400,000	1,400,000	900,000	600,000	10,450,000
Total Funds	1,400,000	4,150,000	3,400,000	1,400,000	900,000	600,000	10,450,000

(1) Provided by Finance

Project Title:	PeopleSoft Financial System Enhancements	Department (Name/Dept #): Information Technology - (20111)/20111				CIP #: 700013	
Description:	Continued enhancement to PeopleSoft Financials in order to support the needs of the organization.	Roadway (Name/Fund #): Capital Improvement Fund - (1501)/1501				Purpose Priority: 1	
		Operational and Maintenance Costs:					
Justification:	Procurement requested additional features to the eBid system and possibly PRISM (used for Business Diversity Compliance Reporting). Payroll is requesting a more robust Travel and Expense system that works with PeopleSoft Financials.		FY2017	FY2018	FY2019	FY2020	FY2021
		Personnel	--	--	--	--	--
		Supplies Expense	--	--	--	--	--
		Services and Charges	--	--	--	--	--
		Software Annual Support	--	--	--	--	--
	Property Management	--	--	--	--	--	
	Totals	--	--	--	--	--	
		Budget	Budget				Five Year Totals
Project Allocation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2017 - FY2021
Consulting/Profess Serv Tech - (521301)	100,000	--	--	--	180,000	--	180,000
Total Allocations	100,000	--	--	--	180,000	--	180,000
Reimbursements							
Total Reimbursement	--	--	--	--	--	--	--
Source of Funds (1)							
Revenue Distribution from the Revenue Fund	100,000	--	--	--	180,000	--	180,000
Total Funds	100,000	--	--	--	180,000	--	180,000

(1) Provided by Finance

Project Title:	Maintenance Management System	Department (Name/Dept #): Information Technology - (20111)/20111				CIP #: 700015		
Description:	Continued enhancement of Maintenance Mgmt System to support business needs. The system is used by the maintenance department to report, schedule, and determine costs based on customer service and work authorization ticket process.	Roadway (Name/Fund #): Capital Improvement Fund - (1501)/1501				Purpose Priority: 3		
		Operational and Maintenance Costs:						
Justification:	The AssetWorks System was fully implemented in 2014. This project provides a small bucket of hours to be used for any enhancements required during the stabilization period.	Personnel	FY2017	FY2018	FY2019	FY2020	FY2021	
		Supplies Expense	--	--	--	--	--	
		Services and Charges	--	--	--	--	--	
		Software Annual Support	--	--	--	--	--	
		Property Management	--	--	--	--	--	
Totals		--	--	--	--	--		
		Budget	Budget					Five Year Totals
Project Allocation		FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2017 - FY2021
Consulting/Profess Serv Tech - (521301)		--	--	--	100,000	--	50,000	150,000
Computers - (531641)		--	--	--	--	100,000	--	100,000
Software - (531651)		--	--	--	--	250,000	--	250,000
Total Allocations		--	--	--	100,000	350,000	50,000	500,000
Reimbursements								
Total Reimbursement		--	--	--	--	--	--	--
Source of Funds (1)								
Revenue Distribution from the Revenue Fund		--	--	--	100,000	350,000	50,000	500,000
Total Funds		--	--	--	100,000	350,000	50,000	500,000

(1) Provided by Finance

Project Title:	Enterprise Project Delivery System (EPDS) Enhancements	Department (Name/Dept #): Information Technology - (20111)/20111				CIP #: 700017	
Description:	Continued enhancement, expansion and upgrade of Enterprise Project Delivery System (EPDS) in order to support the contract tracking and payment needs of organization.	Roadway (Name/Fund #): Capital Improvement Fund - (1501)/1501				Purpose Priority: 1	
Justification:		Operational and Maintenance Costs:					
			FY2017	FY2018	FY2019	FY2020	FY2021
		Personnel	--	--	--	--	--
		Supplies Expense	--	--	--	--	--
		Services and Charges	--	--	--	--	--
		Software Annual Support	--	--	--	--	--
		Property Management	--	--	--	--	--
		Totals	--	--	--	--	--
Project Allocation		Budget	Budget				Five Year Totals
		FY2016	FY2017	FY2018	FY2019	FY2020	FY2021
Consulting/Profess Serv Tech - (521301)		100,000	600,000	300,000	--	--	--
Computers - (531641)		--	240,000	--	--	--	240,000
Software - (531651)		--	250,000	--	--	--	--
Total Allocations		100,000	1,090,000	300,000	--	--	240,000
Reimbursements							
Total Reimbursement		--	--	--	--	--	--
Source of Funds (1)							
Revenue Distribution from the Revenue Fund		100,000	1,090,000	300,000	--	--	240,000
Total Funds		100,000	1,090,000	300,000	--	--	240,000

(1) Provided by Finance

Project Title:	Internet/Intranet Redesign	Department (Name/Dept #): Information Technology - (20111)/20111	CIP #: 7000018					
Description:	Enhancements to internet/intranet sites.	Roadway (Name/Fund #): Capital Improvement Fund - (1501)/1501	Purpose Priority: 3					
Operational and Maintenance Costs:								
		FY2017	FY2018	FY2019	FY2020	FY2021		
Justification:	Communications requested a project to rework the NTTA and intranet and internet sites. It is anticipated that external access to an employee portal would likely be part of this project allowing for updating benefit enrollment, viewing paychecks, etc.	Personnel	--	--	--	--		
		Supplies Expense	--	--	--	--		
		Services and Charges	--	--	--	--		
		Software Annual Support	--	--	--	--		
		Property Management	--	--	--	--		
Totals		--	--	--	--	--		
Project Allocation		Budget FY2016	Budget FY2017	Budget FY2018	Budget FY2019	Budget FY2020	Budget FY2021	Five Year Totals FY2017 - FY2021
Consulting/Profess Serv Tech - (521301)		--	500,000	200,000	--	--	--	700,000
Computers - (531641)		--	100,000	--	--	--	--	100,000
Software - (531651)		--	250,000	--	--	--	--	250,000
Total Allocations		--	850,000	200,000	--	--	--	1,050,000
Reimbursements								
Total Reimbursement		--	--	--	--	--	--	--
Source of Funds (1)								
Revenue Distribution from the Revenue Fund		--	850,000	200,000	--	--	--	1,050,000
Total Funds		--	850,000	200,000	--	--	--	1,050,000

(1) Provided by Finance

Project Title:	Global Positioning System (GPS)	Department (Name/Dept #): Information Technology - (20111)/20111				CIP #: 700020	
Description:	Continued enhancements & expansion of Global Positioning System (GPS) technology within the organization and its integration with Geographical Information System (GIS).	Roadway (Name/Fund #): Capital Improvement Fund - (1501)/1501				Purpose Priority: 2	
		Operational and Maintenance Costs:					
Justification:	In 2013 GPS devices were installed in select fleet vehicles as part of a pilot program. The successful pilot led to expansion of the GPS fleet program to all NTTA fleet vehicles. This project will include installation and services for new vehicles.		FY2017	FY2018	FY2019	FY2020	FY2021
		Personnel	--	--	--	--	--
		Supplies Expense	--	--	--	--	--
		Services and Charges	--	--	--	--	--
		Software Annual Support	--	--	--	--	--
		Property Management	--	--	--	--	
		Totals	--	--	--	--	
	Budget	Budget					Five Year Totals
Project Allocation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2017 - FY2021
Telecommunications - (523202)	10,000	--	--	--	--	--	--
Infrastructure - Other - (541403)	10,000	--	--	--	--	--	--
Total Allocations	20,000	--	--	--	--	--	--
Reimbursements							
Total Reimbursement	--	--	--	--	--	--	--
Source of Funds (1)							
Revenue Distribution from the Revenue Fund	20,000	--	--	--	--	--	--
Total Funds	20,000	--	--	--	--	--	--

(1) Provided by Finance

Project Title:	PeopleSoft HCM Enhancement	Department (Name/Dept #): Information Technology - (20111)/20111				CIP #: 7000021	
Description:	Continued enhancement to PeopleSoft HCM in order to support the needs of the organization.	Roadway (Name/Fund #): Capital Improvement Fund - (1501)/1501				Purpose Priority: 1	
		Operational and Maintenance Costs:					
Justification:	HR requested eRecruiting be implemented in PS to allow for better employment reporting and eTraining as a replacement of TTN. Project also activates part of the Time and Labor Module, enabling SIM to schedule shifts and track specific work types.		FY2017	FY2018	FY2019	FY2020	FY2021
		Personnel	--	--	--	--	--
		Supplies Expense	--	--	--	--	--
		Services and Charges	--	--	--	--	--
		Software Annual Support	--	--	--	--	--
		Property Management	--	--	--	--	
		Totals	--	--	--	--	
		Budget	Budget				Five Year Totals
Project Allocation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2017 - FY2021
Consulting/Profess Serv Tech - (521301)	400,000	250,000	--	--	--	--	250,000
Computers - (531641)	--	180,000	--	--	180,000	--	360,000
Software - (531651)	--	100,000	--	--	--	--	100,000
Total Allocations	400,000	530,000	--	--	180,000	--	710,000
Reimbursements							
Total Reimbursement	--	--	--	--	--	--	--
Source of Funds (1)							
Revenue Distribution from the Revenue Fund	400,000	530,000	--	--	180,000	--	710,000
Total Funds	400,000	530,000	--	--	180,000	--	710,000

(1) Provided by Finance

Project Title:	Digital Aerial Photography	Department (Name/Dept #): Information Technology - (20111)/20111					CIP #: 7000022	
Description:	Aerial photography acquisition through the North Central Texas Council of Governments. This is a more cost effective than going directly through a commercial vendor.	Roadway (Name/Fund #): Capital Improvement Fund - (1501)/1501					Purpose Priority: 1	
		Operational and Maintenance Costs:						
Justification:	Current aerial photography is a very important part to the Geographic Information System (GIS) as it enables staff and end users to view a geographically correct photo of NTTA roadways and all of its assets (i.e. signs, lights, landscape).	Personnel	FY2017	FY2018	FY2019	FY2020	FY2021	
		Supplies Expense	--	--	--	--	--	
		Services and Charges	--	--	--	--	--	
		Software Annual Support	--	--	--	--	--	
		Property Management	--	--	--	--	--	
Totals	--	--	--	--	--	--		
		Budget	Budget					Five Year Totals
Project Allocation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2017 - FY2021	
Consulting/Profess Serv Tech - (521301)	100,000	148,200	--	148,200	--	148,200	444,600	
Total Allocations	100,000	148,200	--	148,200	--	148,200	444,600	
Reimbursements								
Total Reimbursement	--	--	--	--	--	--	--	
Source of Funds (1)								
Revenue Distribution from the Revenue Fund	100,000	148,200	--	148,200	--	148,200	444,600	
Total Funds	100,000	148,200	--	148,200	--	148,200	444,600	

(1) Provided by Finance

Project Title:	Toll Collection System Software Enhancements & Maintenance	Department (Name/Dept #): Information Technology - (20111)/20111				CIP #: 7000024	
Description:	Maintenance for the Toll Collection system and enhancements requested by user department or dictated by operations, legislative, or other changes that require the system to grow and adapt.	Roadway (Name/Fund #): Capital Improvement Fund - (1501)/1501				Purpose Priority: 1	
Justification:		Enhancements include automated lookup of out of state owner info, payment cards, additional retail outlets, IOP expansion, customer outreach.					
Operational and Maintenance Costs:							
		<u>FY2017</u>	<u>FY2018</u>	<u>FY2019</u>	<u>FY2020</u>	<u>FY2021</u>	
Personnel		--	--	--	--	--	--
Supplies Expense		--	--	--	--	--	--
Services and Charges		--	--	--	--	--	--
Software Annual Support		--	--	--	--	--	--
Property Management		--	--	--	--	--	--
Totals		--	--	--	--	--	--
		--	--	--	--	--	--
	Budget	Budget					Five Year Totals
Project Allocation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2017 - FY2021
Consulting/Profess Serv Tech - (521301)	500,000	500,000	--	--	--	--	500,000
Computers - (531641)	500,000	500,000	--	--	--	--	500,000
Software - (531651)	5,000,000	5,000,000	3,000,000	2,000,000	2,000,000	--	12,000,000
Total Allocations	6,000,000	6,000,000	3,000,000	2,000,000	2,000,000	--	13,000,000
Reimbursements							
Total Reimbursement	--	--	--	--	--	--	--
Source of Funds (1)							
Revenue Distribution from the Revenue Fund	6,000,000	6,000,000	3,000,000	2,000,000	2,000,000	--	13,000,000
Total Funds	6,000,000	6,000,000	3,000,000	2,000,000	2,000,000	--	13,000,000

(1) Provided by Finance

Project Title:	Workload Automation	Department (Name/Dept #): Information Technology - (20111)/20111					CIP #: 7000026	
Description:	Upgrade equipment for Enterprise System Monitoring.	Roadway (Name/Fund #): Capital Improvement Fund - (1501)/1501					Purpose Priority: 1	
		Operational and Maintenance Costs:						
Justification:	Upgrade of our server and storage infrastructure to meet the Authority's needs and provide a supportable system capable of handling the future needs for our customers.	Personnel	FY2017	FY2018	FY2019	FY2020	FY2021	
		Supplies Expense	--	--	--	--	--	
		Services and Charges	--	--	--	--	--	
		Software Annual Support	--	--	--	--	--	
		Property Management	--	--	--	--	--	
Totals		--	--	--	--	--		
		Budget	Budget					Five Year Totals
Project Allocation		FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2017 - FY2021
Consulting/Profess Serv Tech - (521301)		--	200,000	200,000	--	--	--	400,000
Total Allocations		--	200,000	200,000	--	--	--	400,000
Reimbursements								
Total Reimbursement		--	--	--	--	--	--	--
Source of Funds (1)								
Revenue Distribution from the Revenue Fund		--	200,000	200,000	--	--	--	400,000
Total Funds		--	200,000	200,000	--	--	--	400,000

(1) Provided by Finance

Project Title:	Microsoft Enterprise Agreement	Department (Name/Dept #): Information Technology - (20111)/20111				CIP #: 7000033	
Description:	Provides software licensing, support, and updates for OS, productivity applications and management & monitoring tools for all NTTA servers and workstations.	Roadway (Name/Fund #): Capital Improvement Fund - (1501)/1501				Purpose Priority: 1	
		Operational and Maintenance Costs:					
Justification:	Year two of a three year agreement to ensure support and coverage for licensing expansion.	Personnel	FY2017	FY2018	FY2019	FY2020	FY2021
		Supplies Expense	--	--	--	--	--
		Services and Charges	--	--	--	--	--
		Software Annual Support	--	--	--	--	--
		Property Management	--	--	--	--	--
Totals		--	--	--	--	--	
		Budget	Budget				Five Year Totals
Project Allocation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2017 - FY2021
Software - (531651)	1,000,000	1,800,000	1,900,000	1,000,000	1,000,000	1,000,000	6,700,000
Total Allocations	1,000,000	1,800,000	1,900,000	1,000,000	1,000,000	1,000,000	6,700,000
Reimbursements							
Total Reimbursement	--	--	--	--	--	--	--
Source of Funds (1)							
Revenue Distribution from the Revenue Fund	1,000,000	1,800,000	1,900,000	1,000,000	1,000,000	1,000,000	6,700,000
Total Funds	1,000,000	1,800,000	1,900,000	1,000,000	1,000,000	1,000,000	6,700,000

(1) Provided by Finance

Project Title:	Oracle Unlimited License Agreement	Department (Name/Dept #): Information Technology - (20111)/20111				CIP #: 7000034	
Description:	Unlimited License Agreement allows for expansion of Oracle DB, App, & Analytics licensing at a discounted rate during a time of tremendous growth within the organization.	Roadway (Name/Fund #): Capital Improvement Fund - (1501)/1501				Purpose Priority: 1	
		Operational and Maintenance Costs:					
Justification:	Funds to complete payment of Oracle ULA already committed to under contract approved by the Board.	Personnel	FY2017	FY2018	FY2019	FY2020	FY2021
		Supplies Expense	--	--	--	--	--
		Services and Charges	--	--	--	--	--
		Software Annual Support	--	--	--	--	--
		Property Management	--	--	--	--	--
Totals		--	--	--	--	--	
		Budget	Budget				Five Year Totals
Project Allocation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2017 - FY2021
Software - (531651)	3,703,558	3,600,000	3,600,000	4,200,000	4,200,000	4,200,000	19,800,000
Total Allocations	3,703,558	3,600,000	3,600,000	4,200,000	4,200,000	4,200,000	19,800,000
Reimbursements							
Total Reimbursement	--	--	--	--	--	--	--
Source of Funds (1)							
Revenue Distribution from the Revenue Fund	3,703,558	3,600,000	3,600,000	4,200,000	4,200,000	4,200,000	19,800,000
Total Funds	3,703,558	3,600,000	3,600,000	4,200,000	4,200,000	4,200,000	19,800,000

(1) Provided by Finance

Project Title:	Voice Over Internet Protocol (VoIP) Upgrades	Department (Name/Dept #): Information Technology - (20111)/20111				CIP #: 7000036	
Description:	Continued enhancements to Voice Over Internet Protocol (VoIP) in order to support the needs of the organization.	Roadway (Name/Fund #): Capital Improvement Fund - (1501)/1501				Purpose Priority: 1	
		Operational and Maintenance Costs:					
Justification:	To provide changes to our Voice Over Internet Protocol (VoIP) System including changes to the call flow within Cisco Voice Portal required by business rules for TER and TSA.		FY2017	FY2018	FY2019	FY2020	FY2021
		Personnel	--	--	--	--	--
		Supplies Expense	--	--	--	--	--
		Services and Charges	--	--	--	--	--
		Software Annual Support	--	--	--	--	--
	Property Management	--	--	--	--	--	
	Totals	--	--	--	--	--	
		Budget	Budget				Five Year Totals
Project Allocation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2017 - FY2021
Consulting/Profess Serv Tech - (521301)	200,000	--	--	--	--	--	--
Total Allocations	200,000	--	--	--	--	--	--
Reimbursements							
Total Reimbursement	--	--	--	--	--	--	--
Source of Funds (1)							
Revenue Distribution from the Revenue Fund	200,000	--	--	--	--	--	--
Total Funds	200,000	--	--	--	--	--	--

(1) Provided by Finance

Project Title:	Virtualization	Department (Name/Dept #): Information Technology - (20111)/20111				CIP #: 7000040		
Description:	Continued virtualization of systems as they become eligible/supported.	Roadway (Name/Fund #): Capital Improvement Fund - (1501)/1501				Purpose Priority: 1		
		Operational and Maintenance Costs:						
Justification:	Virtualization has many benefits including more efficiency. This allows us to use hardware to the fullest, easily procure new servers and desktops on the fly, and create a more robust and mobile environment.	Personnel	FY2017	FY2018	FY2019	FY2020	FY2021	
		Supplies Expense	--	--	--	--	--	
		Services and Charges	--	--	--	--	--	
		Software Annual Support	--	--	--	--	--	
		Property Management	--	--	--	--	--	
Totals		--	--	--	--	--		
		Budget	Budget					Five Year Totals
Project Allocation		FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2017 - FY2021
Consulting/Profess Serv Tech - (521301)		--	150,000	--	--	--	--	150,000
Computers - (531641)		200,000	--	--	--	--	--	--
Software - (531651)		--	150,000	--	--	--	--	150,000
Total Allocations		200,000	300,000	--	--	--	--	300,000
Reimbursements								
Total Reimbursement		--	--	--	--	--	--	--
Source of Funds (1)								
Revenue Distribution from the Revenue Fund		200,000	300,000	--	--	--	--	300,000
Total Funds		200,000	300,000	--	--	--	--	300,000

(1) Provided by Finance

Project Title:	Toll Enforcement Remedies	Department (Name/Dept #): Information Technology - (20111)/20111				CIP #: 7000047	
Description:	Implementation of TER tracking system to automate application and tracking of remedies and report on results.	Roadway (Name/Fund #): Capital Improvement Fund - (1501)/1501				Purpose Priority: 1	
		Operational and Maintenance Costs:					
Justification:	Building of the TER application began in 2014 with Vehicle Registration Blocks and will continue in 2017 to implement ban, impoundment, and other remedies as they become available and prove valuable.		FY2017	FY2018	FY2019	FY2020	FY2021
		Personnel	--	--	--	--	--
		Supplies Expense	--	--	--	--	--
		Services and Charges	--	--	--	--	--
		Software Annual Support	--	--	--	--	--
		Property Management	--	--	--	--	--
		Totals	--	--	--	--	--
		Budget	Budget				Five Year Totals
Project Allocation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2017 - FY2021
Consulting/Profess Serv Tech - (521301)	--	300,000	300,000	--	--	--	600,000
Computers - (531641)	--	150,000	150,000	--	--	--	300,000
Software - (531651)	200,000	50,000	50,000	--	--	--	100,000
Total Allocations	200,000	500,000	500,000	--	--	--	1,000,000
Reimbursements							
Total Reimbursement	--	--	--	--	--	--	--
Source of Funds (1)							
Revenue Distribution from the Revenue Fund	200,000	500,000	500,000	--	--	--	1,000,000
Total Funds	200,000	500,000	500,000	--	--	--	1,000,000

(1) Provided by Finance

Project Title:	GIS Enhancements	Department (Name/Dept #): Information Technology - (20111)/20111					CIP #: 7000050	
Description:	Continued enhancement to Geographic Information System (GIS) in order to support the needs of the organization.	Roadway (Name/Fund #): Capital Improvement Fund - (1501)/1501					Purpose Priority: 1	
		Operational and Maintenance Costs:						
Justification:	Project will implement the tools and enhancements that will then be available into existing and new GIS applications. This includes graphics, extensions & tools (Google Maps), and Professional Services from ESRI (ESRI network needs knowledge resource).		FY2017	FY2018	FY2019	FY2020	FY2021	
		Personnel	--	--	--	--	--	
		Supplies Expense	--	--	--	--	--	
		Services and Charges	--	--	--	--	--	
		Software Annual Support	--	--	--	--	--	
	Property Management	--	--	--	--	--		
	Totals	--	--	--	--	--		
		Budget	Budget					Five Year Totals
Project Allocation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2017 - FY2021	
Consulting/Profess Serv Tech - (521301)	150,000	248,200	50,000	--	--	148,200	446,400	
Computers - (531641)	--	--	15,000	--	--	--	15,000	
Software - (531651)	--	10,000	20,000	10,000	10,000	10,000	60,000	
Total Allocations	150,000	258,200	85,000	10,000	10,000	158,200	521,400	
Reimbursements								
Total Reimbursement	--	--	--	--	--	--	--	
Source of Funds (1)								
Revenue Distribution from the Revenue Fund	150,000	258,200	85,000	10,000	10,000	158,200	521,400	
Total Funds	150,000	258,200	85,000	10,000	10,000	158,200	521,400	

(1) Provided by Finance

Project Title:	Mobile App Development	Department (Name/Dept #): Information Technology - (20111)/20111				CIP #: 7000051	
Description:	This project will allow NTTA to continue to enhance the existing mobile application to better serve our customers.	Roadway (Name/Fund #): Capital Improvement Fund - (1501)/1501				Purpose Priority: 1	
		Operational and Maintenance Costs:					
Justification:	Projects include ZipCash login & invoice payment, push notifications, GPS notifications to Safety Operations Center for roadside assistance, real time traffic notifications to customers, etc.		FY2017	FY2018	FY2019	FY2020	FY2021
		Personnel	--	--	--	--	--
		Supplies Expense	--	--	--	--	--
		Services and Charges	--	--	--	--	--
		Software Annual Support	--	--	--	--	--
	Property Management	--	--	--	--	--	
	Totals	--	--	--	--	--	
	Budget	Budget					Five Year Totals
Project Allocation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2017 - FY2021
Consulting/Professional - (521201)	--	--	--	--	--	--	--
Software - (531651)	150,000	150,000	150,000	1,500,000	--	--	1,800,000
Total Allocations	150,000	150,000	150,000	1,500,000	--	--	1,800,000
Reimbursements							
Total Reimbursement	--	--	--	--	--	--	--
Source of Funds (1)							
Revenue Distribution from the Revenue Fund	150,000	150,000	150,000	1,500,000	--	--	1,800,000
Total Funds	150,000	150,000	150,000	1,500,000	--	--	1,800,000

(1) Provided by Finance

Project Title:	Application Testing Suite	Department (Name/Dept #): Information Technology - (20111)/20111				CIP #: 7000052	
Description:	Application testing suite that allows teams to execute and track testing of new or updated applications. Functions can also include load testing, regression testing, etc.	Roadway (Name/Fund #): Capital Improvement Fund - (1501)/1501				Purpose Priority: 1	
		Operational and Maintenance Costs:					
Justification:	A testing suite such as HP Quality Center can help development teams discover application bugs/issues and possible performance issues before production deployment.		FY2017	FY2018	FY2019	FY2020	FY2021
		Personnel	--	--	--	--	--
		Supplies Expense	--	--	--	--	--
		Services and Charges	--	--	--	--	--
		Software Annual Support	--	--	--	--	--
	Property Management	--	--	--	--	--	
	Totals	--	--	--	--	--	
	Budget	Budget					Five Year Totals
Project Allocation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2017 - FY2021
Software - (531651)	--	500,000	--	--	--	--	500,000
Total Allocations	--	500,000	--	--	--	--	500,000
Reimbursements							
Total Reimbursement	--	--	--	--	--	--	--
Source of Funds (1)							
Revenue Distribution from the Revenue Fund	--	500,000	--	--	--	--	500,000
Total Funds	--	500,000	--	--	--	--	500,000

(1) Provided by Finance

Project Title:	Reconciliation Software Implementation	Department (Name/Dept #): Information Technology - (20111)/20111				CIP #: 7000053	
Description:	Trintech Reconnect	Roadway (Name/Fund #): Capital Improvement Fund - (1501)/1501				Purpose Priority: 1	
		Operational and Maintenance Costs:					
Justification:	In order to meet Internal Audit requirements for reconciliation of accounts this software was chosen via RFP process to facilitate automated reconciliation of credit card and bank accounts.		FY2017	FY2018	FY2019	FY2020	FY2021
		Personnel	--	--	--	--	--
		Supplies Expense	--	--	--	--	--
		Services and Charges	--	--	--	--	--
		Software Annual Support	--	--	--	--	--
	Property Management	--	--	--	--	--	
	Totals	--	--	--	--	--	
		Budget	Budget				Five Year Totals
Project Allocation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2017 - FY2021
Software - (531651)	--	50,000	--	--	--	--	50,000
Total Allocations	--	50,000	--	--	--	--	50,000
Reimbursements							
Total Reimbursement	--	--	--	--	--	--	--
Source of Funds (1)							
Revenue Distribution from the Revenue Fund	--	50,000	--	--	--	--	50,000
Total Funds	--	50,000	--	--	--	--	50,000

(1) Provided by Finance

Project Title:	Service Desk Software Enhancements	Department (Name/Dept #): Information Technology - (20111)/20111				CIP #: 7000054	
Description:	Replacement of the current service desk ticketing system.	Roadway (Name/Fund #): Capital Improvement Fund - (1501)/1501				Purpose Priority: 1	
		Operational and Maintenance Costs:					
Justification:	In order to meet Internal Audit requirements and to enhance and reinforce IT governance and best practices. Project will be multi-phased and will provide for issue mgmt, inventory tracking, change control, and other best practices as determined.	Personnel	FY2017	FY2018	FY2019	FY2020	FY2021
		Supplies Expense	--	--	--	--	--
		Services and Charges	--	--	--	--	--
		Software Annual Support	--	--	--	--	--
		Property Management	--	--	--	--	--
Totals		--	--	--	--	--	
		Budget	Budget				Five Year Totals
Project Allocation		FY2016	FY2017	FY2018	FY2019	FY2020	FY2021
Consulting/Professional - (521201)		200,000	150,000	--	--	--	--
Software - (531651)		100,000	100,000	--	--	--	--
Total Allocations		300,000	250,000	--	--	--	--
Reimbursements							
Total Reimbursement		--	--	--	--	--	--
Source of Funds (1)							
Revenue Distribution from the Revenue Fund		300,000	250,000	--	--	--	--
Total Funds		300,000	250,000	--	--	--	--

(1) Provided by Finance

Project Title:	Toll Collection System Implementation	Department (Name/Dept #): Information Technology - (20111)/20111				CIP #: 7000056		
Description:	Implement a new toll collection system.	Roadway (Name/Fund #): Capital Improvement Fund - (1501)/1501				Purpose Priority: 1		
		Operational and Maintenance Costs:						
Justification:	To strategize, plan, design, develop, and implement new tolling solution to replace the existing tolling system.		FY2017	FY2018	FY2019	FY2020	FY2021	
		Personnel	--	--	--	--	--	
		Supplies Expense	--	--	--	--	--	
		Services and Charges	--	--	--	--	--	
		Software Annual Support	--	--	--	--	--	
		Property Management	--	--	--	--	--	
		Totals	--	--	--	--	--	
		Budget	Budget					Five Year Totals
Project Allocation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2017 - FY2021	
Consulting/Professional - (521201)	--	1,500,000	800,000	700,000	--	--	3,000,000	
Computers - (531641)	--	--	2,500,000	2,500,000	--	--	5,000,000	
Software - (531651)	1,000,000	8,500,000	20,200,000	7,300,000	3,000,000	--	39,000,000	
Total Allocations	1,000,000	10,000,000	23,500,000	10,500,000	3,000,000	--	47,000,000	
Reimbursements								
Total Reimbursement	--	--	--	--	--	--	--	
Source of Funds (1)								
Revenue Distribution from the Revenue Fund	1,000,000	10,000,000	23,500,000	10,500,000	3,000,000	--	47,000,000	
Total Funds	1,000,000	10,000,000	23,500,000	10,500,000	3,000,000	--	47,000,000	

(1) Provided by Finance

Project Title:	Cloud Computing	Department (Name/Dept #): Information Technology - (20111)/20111				CIP #: 7000057	
Description:	Conduct a feasibility study that delivers a cloud computing adoption strategy for NTTA.	Roadway (Name/Fund #): Capital Improvement Fund - (1501)/1501				Purpose Priority: --	
		Operational and Maintenance Costs:					
Justification:	The delivery of applications and services through the cloud is increasing among IT vendors. The study would deliver a strategic plan addressing cost, security, performance, design, etc.		FY2017	FY2018	FY2019	FY2020	FY2021
		Personnel	--	--	--	--	--
		Supplies Expense	--	--	--	--	--
		Services and Charges	--	--	--	--	--
		Software Annual Support	--	--	--	--	--
	Property Management	--	--	--	--	--	
	Totals	--	--	--	--	--	
	Budget	Budget					Five Year Totals
Project Allocation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2017 - FY2021
Consulting/Profess Serv Tech - (521301)	--	200,000	--	--	--	--	200,000
Total Allocations	--	200,000	--	--	--	--	200,000
Reimbursements							
Total Reimbursement	--	--	--	--	--	--	--
Source of Funds (1)							
Revenue Distribution from the Revenue Fund	--	200,000	--	--	--	--	200,000
Total Funds	--	200,000	--	--	--	--	200,000

(1) Provided by Finance

Project Title:	Infrastructure Professional Services	Department (Name/Dept #): Information Technology - (20111)/20111				CIP #: 7000058	
Description:	Infrastructure Professional Services	Roadway (Name/Fund #): Capital Improvement Fund - (1501)/1501				Purpose Priority: --	
		Operational and Maintenance Costs:					
Justification:	It is essential to use outside experts to validate strategy and planning as well as to use them for complex solution development while employees have the opportunity to learn while working with experts.		FY2017	FY2018	FY2019	FY2020	FY2021
		Personnel	--	--	--	--	--
		Supplies Expense	--	--	--	--	--
		Services and Charges	--	--	--	--	--
		Software Annual Support	--	--	--	--	--
	Property Management	--	--	--	--	--	
	Totals	--	--	--	--	--	
	Budget	Budget					Five Year Totals
Project Allocation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2017 - FY2021
Consulting/Professional - (521201)	900,000	600,000	200,000	--	--	--	800,000
Total Allocations	900,000	600,000	200,000	--	--	--	800,000
Reimbursements							
Total Reimbursement	--	--	--	--	--	--	--
Source of Funds (1)							
Revenue Distribution from the Revenue Fund	900,000	600,000	200,000	--	--	--	800,000
Total Funds	900,000	600,000	200,000	--	--	--	800,000

(1) Provided by Finance

Project Title:	24x7 Monitoring	Department (Name/Dept #): Information Technology - (20111)/20111				CIP #: 7000059		
Description:	24x7 monitoring of the Authority's computer systems.	Roadway (Name/Fund #): Capital Improvement Fund - (1501)/1501				Purpose Priority: 1		
		Operational and Maintenance Costs:						
Justification:	To procure 24x7 security monitoring, manage service, enhance security and compliance while considering the increasing threat landscape.		FY2017	FY2018	FY2019	FY2020	FY2021	
		Personnel	--	--	--	--	--	
		Supplies Expense	--	--	--	--	--	
		Services and Charges	--	--	--	--	--	
		Software Annual Support	--	--	--	--	--	
	Property Management	--	--	--	--	--		
	Totals	--	--	--	--	--		
		Budget	Budget					Five Year Totals
Project Allocation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2017 - FY2021	
Outside Maintenance Services - (521212)	280,000	--	--	--	--	--	--	
Software - (531651)	--	280,000	--	--	--	--	280,000	
Total Allocations	280,000	280,000	--	--	--	--	280,000	
Reimbursements								
Total Reimbursement	--	--	--	--	--	--	--	
Source of Funds (1)								
Revenue Distribution from the Revenue Fund	280,000	280,000	--	--	--	--	280,000	
Total Funds	280,000	280,000	--	--	--	--	280,000	

(1) Provided by Finance

Project Title:	Conference Rooms Display Enhancements	Department (Name/Dept #): Information Technology - (20111)/20111				CIP #: 7000062	
Description:	Conference Rooms Display Enhancements	Roadway (Name/Fund #): Capital Improvement Fund - (1501)/1501				Purpose Priority: 2	
		Operational and Maintenance Costs:					
Justification:	Implement advanced and user-friendly display systems in all conference rooms to enhance conf room activities.		FY2017	FY2018	FY2019	FY2020	FY2021
		Personnel	--	--	--	--	--
		Supplies Expense	--	--	--	--	--
		Services and Charges	--	--	--	--	--
		Software Annual Support	--	--	--	--	--
	Property Management	--	--	--	--	--	
	Totals	--	--	--	--	--	
		Budget	Budget				Five Year Totals
Project Allocation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2017 - FY2021
Infrastructure - Other - (541403)	250,000	250,000	--	--	--	--	250,000
Total Allocations	250,000	250,000	--	--	--	--	250,000
Reimbursements							
Total Reimbursement	--	--	--	--	--	--	--
Source of Funds (1)							
Revenue Distribution from the Revenue Fund	250,000	250,000	--	--	--	--	250,000
Total Funds	250,000	250,000	--	--	--	--	250,000

(1) Provided by Finance

Project Title:	Boardroom Video/Presentation Enhancement	Department (Name/Dept #): Information Technology - (20111)/20111				CIP #: 7000064	
Description:	Boardroom Video/Presentation Enhancement	Roadway (Name/Fund #): Capital Improvement Fund - (1501)/1501				Purpose Priority: 1	
		Operational and Maintenance Costs:					
Justification:	Replace old presentation systems as well as some of the old video transmitting equipment in the A/V control room in order to enhance the quality of the boardroom experience for the public.		FY2017	FY2018	FY2019	FY2020	FY2021
		Personnel	--	--	--	--	--
		Supplies Expense	--	--	--	--	--
		Services and Charges	--	--	--	--	--
		Software Annual Support	--	--	--	--	--
	Property Management	--	--	--	--	--	
	Totals	--	--	--	--	--	
	Budget	Budget					Five Year Totals
Project Allocation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2017 - FY2021
Infrastructure - Other - (541403)	125,000	--	--	--	--	--	--
Total Allocations	125,000	--	--	--	--	--	--
Reimbursements							
Total Reimbursement	--	--	--	--	--	--	--
Source of Funds (1)							
Revenue Distribution from the Revenue Fund	125,000	--	--	--	--	--	--
Total Funds	125,000	--	--	--	--	--	--

(1) Provided by Finance

Project Title:	At Your Service	Department (Name/Dept #): Information Technology - (20111)/20111					CIP #: 7000065
Description:	To implement solutions to enhance customer experience.	Roadway (Name/Fund #): Capital Improvement Fund - (1501)/1501					Purpose Priority: 3
		Operational and Maintenance Costs:					
Justification:	This Customer Service Center reservation system allows customers to reserve a specific time to speak with a CSC agent on the phone.		FY2017	FY2018	FY2019	FY2020	FY2021
		Personnel	--	--	--	--	--
		Supplies Expense	--	--	--	--	--
		Services and Charges	--	--	--	--	--
		Software Annual Support	--	--	--	--	--
	Property Management	--	--	--	--	--	
	Totals	--	--	--	--	--	
	Budget	Budget					Five Year Totals
Project Allocation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2017 - FY2021
Software - (531651)	--	--	--	100,000	--	--	100,000
Total Allocations	--	--	--	100,000	--	--	100,000
Reimbursements							
Total Reimbursement	--	--	--	--	--	--	--
Source of Funds (1)							
Revenue Distribution from the Revenue Fund	--	--	--	100,000	--	--	100,000
Total Funds	--	--	--	100,000	--	--	100,000

(1) Provided by Finance

Project Title:	Customer Correspondence	Department (Name/Dept #): Information Technology - (20111)/20111				CIP #: 700066	
Description:	To implement solutions to enhance customer experience.	Roadway (Name/Fund #): Capital Improvement Fund - (1501)/1501				Purpose Priority: 3	
		Operational and Maintenance Costs:					
Justification:	Streamline the manual process of tracking all paper correspondence with customers. Letters sent from customers will be scanned into a system that enables an online workflow of responding to customer correspondence.		FY2017	FY2018	FY2019	FY2020	FY2021
		Personnel	--	--	--	--	--
		Supplies Expense	--	--	--	--	--
		Services and Charges	--	--	--	--	--
		Software Annual Support	--	--	--	--	--
	Property Management	--	--	--	--	--	
	Totals	--	--	--	--	--	
		Budget	Budget				Five Year Totals
Project Allocation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2017 - FY2021
Consulting/Profess Serv Tech - (521301)	150,000	150,000	--	--	50,000	--	200,000
Computers - (531641)	--	60,000	--	--	240,000	--	300,000
Software - (531651)	50,000	100,000	--	--	--	--	100,000
Total Allocations	200,000	310,000	--	--	290,000	--	600,000
Reimbursements							
Total Reimbursement	--	--	--	--	--	--	--
Source of Funds (1)							
Revenue Distribution from the Revenue Fund	200,000	310,000	--	--	290,000	--	600,000
Total Funds	200,000	310,000	--	--	290,000	--	600,000

(1) Provided by Finance

Project Title:	DataLogger	Department (Name/Dept #): Information Technology - (20111)/20111				CIP #: 7000067	
Description:	Data Logger	Roadway (Name/Fund #): Capital Improvement Fund - (1501)/1501				Purpose Priority: 2	
		Operational and Maintenance Costs:					
Justification:	Data loggers will be installed at all Mainline Gantries. These serve as an auditing tool for Roadway Systems. The data logger ties into our system and uses a video feed showing real time images of all vehicles traveling through the toll zone.		FY2017	FY2018	FY2019	FY2020	FY2021
		Personnel	--	--	--	--	--
		Supplies Expense	--	--	--	--	--
		Services and Charges	--	--	--	--	--
		Software Annual Support	--	--	--	--	--
	Property Management	--	--	--	--	--	
	Totals	--	--	--	--	--	
		Budget	Budget				Five Year Totals
Project Allocation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2017 - FY2021
Consulting/Profess Serv Tech - (521301)	110,000	--	50,000	--	50,000	--	100,000
Software - (531651)	150,000	--	50,000	--	50,000	--	100,000
Total Allocations	260,000	--	100,000	--	100,000	--	200,000
Reimbursements							
Total Reimbursement	--	--	--	--	--	--	--
Source of Funds (1)							
Revenue Distribution from the Revenue Fund	260,000	--	100,000	--	100,000	--	200,000
Total Funds	260,000	--	100,000	--	100,000	--	200,000

(1) Provided by Finance

Project Title:	National IOP	Department (Name/Dept #): Information Technology - (20111)/20111				CIP #: 7000068	
Description:	National IOP	Roadway (Name/Fund #): Capital Improvement Fund - (1501)/1501				Purpose Priority: --	
		Operational and Maintenance Costs:					
Justification:	National Interoperability Project enables customers to use any toll transponder throughout the United States.		FY2017	FY2018	FY2019	FY2020	FY2021
		Personnel	--	--	--	--	--
		Supplies Expense	--	--	--	--	--
		Services and Charges	--	--	--	--	--
		Software Annual Support	--	--	--	--	--
		Property Management	--	--	--	--	--
		Totals	--	--	--	--	--
	Budget	Budget					Five Year Totals
Project Allocation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2017 - FY2021
Consulting/Profess Serv Tech - (521301)	--	300,000	--	--	--	--	300,000
Software - (531651)	--	2,200,000	200,000	100,000	100,000	100,000	2,700,000
Total Allocations	--	2,500,000	200,000	100,000	100,000	100,000	3,000,000
Reimbursements							
Total Reimbursement	--	--	--	--	--	--	--
Source of Funds (1)							
Revenue Distribution from the Revenue Fund	--	2,500,000	200,000	100,000	100,000	100,000	3,000,000
Total Funds	--	2,500,000	200,000	100,000	100,000	100,000	3,000,000

(1) Provided by Finance

Project Title:	PMIS Development	Department (Name/Dept #): Information Technology - (20111)/20111				CIP #: 700069	
Description:	NTTA Project Tracking	Roadway (Name/Fund #): Capital Improvement Fund - (1501)/1501				Purpose Priority: --	
		Operational and Maintenance Costs:					
Justification:	A solution that allows the PMO office to track NTTA projects from concept to deployment. The solution enables a better view of the enterprise environment and projects.		FY2017	FY2018	FY2019	FY2020	FY2021
		Personnel	--	--	--	--	--
		Supplies Expense	--	--	--	--	--
		Services and Charges	--	--	--	--	--
		Software Annual Support	--	--	--	--	--
		Property Management	--	--	--	--	--
		Totals	--	--	--	--	--
		Budget	Budget				Five Year Totals
Project Allocation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2017 - FY2021
Consulting/Profess Serv Tech - (521301)	150,000	100,000	--	--	100,000	--	200,000
Software - (531651)	50,000	50,000	--	--	50,000	--	100,000
Total Allocations	200,000	150,000	--	--	150,000	--	300,000
Reimbursements							
Total Reimbursement	--	--	--	--	--	--	--
Source of Funds (1)							
Revenue Distribution from the Revenue Fund	200,000	150,000	--	--	150,000	--	300,000
Total Funds	200,000	150,000	--	--	150,000	--	300,000

(1) Provided by Finance

Project Title:	Multi-Channel Communications - Customer Service Center	Department (Name/Dept #): Information Technology - (20111)/20111				CIP #: 7000070		
Description:	Multi-Channel Communications - Customer Service Center	Roadway (Name/Fund #): Capital Improvement Fund - (1501)/1501				Purpose Priority: 2		
Justification:	Implement online chat and various customer correspondence capabilities to enhance customer experience.	Operational and Maintenance Costs:						
			FY2017	FY2018	FY2019	FY2020	FY2021	
		Personnel	--	--	--	--	--	
		Supplies Expense	--	--	--	--	--	
		Services and Charges	--	--	--	--	--	
		Software Annual Support	--	--	--	--	--	
		Property Management	--	--	--	--		
		Totals	--	--	--	--		
		Budget	Budget					Five Year Totals
Project Allocation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2017 - FY2021	
Consulting/Profess Serv Tech - (521301)	--	1,000,000	500,000	500,000	100,000	--	2,100,000	
Computers - (531641)	--	500,000	200,000	--	--	--	700,000	
Software - (531651)	700,000	500,000	--	--	--	--	500,000	
Total Allocations	700,000	2,000,000	700,000	500,000	100,000	--	3,300,000	
Reimbursements								
Total Reimbursement	--	--	--	--	--	--	--	
Source of Funds (1)								
Revenue Distribution from the Revenue Fund	700,000	2,000,000	700,000	500,000	100,000	--	3,300,000	
Total Funds	700,000	2,000,000	700,000	500,000	100,000	--	3,300,000	

(1) Provided by Finance

Project Title:	LoneStar Module Expansion	Department (Name/Dept #): Information Technology - (20111)/20111					CIP #: 7000071	
Description:	LoneStar Module Expansion is a suite of Command Center applications that support traffic status and functions.	Roadway (Name/Fund #): Capital Improvement Fund - (1501)/1501					Purpose Priority: 2	
		Operational and Maintenance Costs:						
Justification:	This project covers the configuration and implementation of specific modules.		<u>FY2017</u>	<u>FY2018</u>	<u>FY2019</u>	<u>FY2020</u>	<u>FY2021</u>	
		Personnel	--	--	--	--	--	
		Supplies Expense	--	--	--	--	--	
		Services and Charges	--	--	--	--	--	
		Software Annual Support	--	--	--	--	--	
	Property Management	--	--	--	--	--		
	Totals	--	--	--	--	--		
	Budget	Budget					Five Year Totals	
Project Allocation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2017 - FY2021	
Consulting/Profess Serv Tech - (521301)	200,000	200,000	100,000	50,000	50,000	50,000	450,000	
Computers - (531641)	--	--	--	180,000	--	--	180,000	
Total Allocations	200,000	200,000	100,000	230,000	50,000	50,000	630,000	
Reimbursements								
Total Reimbursement	--	--	--	--	--	--	--	
Source of Funds (1)								
Revenue Distribution from the Revenue Fund	200,000	200,000	100,000	230,000	50,000	50,000	630,000	
Total Funds	200,000	200,000	100,000	230,000	50,000	50,000	630,000	

(1) Provided by Finance

Project Title:	Policy Procedure Manual Replacement	Department (Name/Dept #): Information Technology - (20111)/20111				CIP #: 7000073	
Description:	PPM is nearing end of life and needs to be upgraded or replaced.	Roadway (Name/Fund #): Capital Improvement Fund - (1501)/1501				Purpose Priority: --	
		Operational and Maintenance Costs:					
Justification:	The upgrade or replacement is needed to ensure the application is supportable. There may be an opportunity to use functionality in a future EDM tool and eliminate the need for a separate application.	Personnel	FY2017	FY2018	FY2019	FY2020	FY2021
		Supplies Expense	--	--	--	--	--
		Services and Charges	--	--	--	--	--
		Software Annual Support	--	--	--	--	--
		Property Management	--	--	--	--	--
Totals		--	--	--	--	--	
		Budget	Budget				Five Year Totals
Project Allocation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2017 - FY2021
Consulting/Profess Serv Tech - (521301)	--	100,000	--	--	--	--	100,000
Computers - (531641)	--	100,000	--	--	--	--	100,000
Software - (531651)	--	75,000	--	--	--	--	75,000
Total Allocations	--	275,000	--	--	--	--	275,000
Reimbursements							
Total Reimbursement	--	--	--	--	--	--	--
Source of Funds (1)							
Revenue Distribution from the Revenue Fund	--	275,000	--	--	--	--	275,000
Total Funds	--	275,000	--	--	--	--	275,000

(1) Provided by Finance

Project Title:	PeopleSoft Cost Model Application Upgrade	Department (Name/Dept #): Information Technology - (20111)/20111				CIP #: 7000074	
Description:	PeopleSoft Cost Model is used for NTTA cost model reporting.	Roadway (Name/Fund #): Capital Improvement Fund - (1501)/1501				Purpose Priority: --	
		Operational and Maintenance Costs:					
Justification:	Ensure the application and hardware/OS is supported.	Personnel	FY2017	FY2018	FY2019	FY2020	FY2021
		Supplies Expense	--	--	--	--	--
		Services and Charges	--	--	--	--	--
		Software Annual Support	--	--	--	--	--
		Property Management	--	--	--	--	--
Totals		--	--	--	--	--	
		Budget	Budget				Five Year Totals
Project Allocation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2017 - FY2021
Consulting/Profess Serv Tech - (521301)	--	200,000	--	--	--	--	200,000
Computers - (531641)	--	30,000	--	--	30,000	--	60,000
Software - (531651)	--	100,000	--	--	--	--	100,000
Total Allocations	--	330,000	--	--	30,000	--	360,000
Reimbursements							
Total Reimbursement	--	--	--	--	--	--	--
Source of Funds (1)							
Revenue Distribution from the Revenue Fund	--	330,000	--	--	30,000	--	360,000
Total Funds	--	330,000	--	--	30,000	--	360,000

(1) Provided by Finance

Project Title:	Procurement Project Workflow Manager	Department (Name/Dept #): Information Technology - (20111)/20111				CIP #: 7000075		
Description:	Procurement Project Workflow Manager is a hosted tool that allows Procurement to track all of NTTA's procurement related projects.	Roadway (Name/Fund #): Capital Improvement Fund - (1501)/1501				Purpose Priority: --		
		Operational and Maintenance Costs:						
Justification:	The process is manual today. This project will enable the Procurement team to complete projects more efficiently and accurately.		FY2017	FY2018	FY2019	FY2020	FY2021	
		Personnel	--	--	--	--	--	
		Supplies Expense	--	--	--	--	--	
		Services and Charges	--	--	--	--	--	
		Software Annual Support	--	--	--	--	--	
		Property Management	--	--	--	--	--	
Totals		--	--	--	--	--		
		Budget	Budget					Five Year Totals
Project Allocation		FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2017 - FY2021
Consulting/Profess Serv Tech - (521301)		--	270,000	--	--	--	--	270,000
Software - (531651)		--	80,000	--	--	--	28,000	108,000
Total Allocations		--	350,000	--	--	--	28,000	378,000
Reimbursements								
Total Reimbursement		--	--	--	--	--	--	--
Source of Funds (1)								
Revenue Distribution from the Revenue Fund		--	350,000	--	--	--	28,000	378,000
Total Funds		--	350,000	--	--	--	28,000	378,000

(1) Provided by Finance

Project Title:	Huperion Upgrade	Department (Name/Dept #): Information Technology - (20111)/20111				CIP #: 7000076	
Description:	Hyperion System Upgrade	Roadway (Name/Fund #): Capital Improvement Fund - (1501)/1501				Purpose Priority: --	
		Operational and Maintenance Costs:					
Justification:	Hyperion is at end of life and needs to be upgraded. This will also allow NTTA to use the current technology when using the application.		FY2017	FY2018	FY2019	FY2020	FY2021
		Personnel	--	--	--	--	--
		Supplies Expense	--	--	--	--	--
		Services and Charges	--	--	--	--	--
		Software Annual Support	--	--	--	--	--
	Property Management	--	--	--	--	--	
	Totals	--	--	--	--	--	
		Budget	Budget				Five Year Totals
Project Allocation		FY2016	FY2017	FY2018	FY2019	FY2020	FY2021
Consulting/Profess Serv Tech - (521301)		--	200,000	--	--	400,000	--
Computers - (531641)		--	270,000	--	--	70,000	--
Total Allocations		--	470,000	--	--	470,000	--
Reimbursements							
Total Reimbursement		--	--	--	--	--	--
Source of Funds (1)							
Revenue Distribution from the Revenue Fund		--	470,000	--	--	470,000	--
Total Funds		--	470,000	--	--	470,000	--

(1) Provided by Finance

Project Title:	Business Diversity Tracking	Department (Name/Dept #): Information Technology - (20111)/20111				CIP #: 7000150	
Description:	Solution for tracking activity and compliance for primes and subcontractors by providing them access to a system that includes tracking payments, certifications, and goal compliance to provide accurate and dynamic reporting.	Roadway (Name/Fund #): Capital Improvement Fund - (1501)/1501				Purpose Priority: 1	
		Operational and Maintenance Costs:					
Justification:	Business Diversity has a manual process of entering data into a spreadsheet that will be replaced with an accurate and dynamic solution for reporting efficiencies.	Personnel	FY2017	FY2018	FY2019	FY2020	FY2021
		Supplies Expense	--	--	--	--	--
		Services and Charges	--	--	--	--	--
		Software Annual Support	--	--	--	--	--
		Property Management	--	--	--	--	--
Totals		--	--	--	--	--	
		Budget	Budget				Five Year Totals
Project Allocation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2017 - FY2021
Consulting/Profess Serv Tech - (521301)	--	300,000	--	--	--	--	300,000
Software - (531651)	--	20,000	--	--	--	--	20,000
Total Allocations	--	320,000	--	--	--	--	320,000
Reimbursements							
Total Reimbursement	--	--	--	--	--	--	--
Source of Funds (1)							
Revenue Distribution from the Revenue Fund	--	320,000	--	--	--	--	320,000
Total Funds	--	320,000	--	--	--	--	320,000

(1) Provided by Finance

Project Title:	Planimetrics	Department (Name/Dept #): Information Technology - (20111)/20111				CIP #: 7000964	
Description:	Acquire a digital elevation model that contours high resolution b&w digital aerial photography and planimetrics, (i.e. rdwys, bridges, bldgs, curbs, lights, sidewalks, etc.) through a commercial vendor. This is more accurate than the COG data.	Roadway (Name/Fund #): Capital Improvement Fund - (1501)/1501				Purpose Priority: --	
		Operational and Maintenance Costs:					
Justification:	Planimetrics will collect GIS location and other data of the roadway and roadway assets. This has not been done and various projects have changed the location of roadway assets making the GIS database, the source for Assetworks, inaccurate.	Personnel	FY2017	FY2018	FY2019	FY2020	FY2021
		Supplies Expense	--	--	--	--	--
		Services and Charges	--	--	--	--	--
		Software Annual Support	--	--	--	--	--
		Property Management	--	--	--	--	--
Totals	--	--	--	--	--	--	
		Budget	Budget				Five Year Totals
Project Allocation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2017 - FY2021
Software - (531651)	452,450	--	--	--	--	--	--
Total Allocations	452,450	--	--	--	--	--	--
Reimbursements							
Total Reimbursement	--	--	--	--	--	--	--
Source of Funds (1)							
Revenue Distribution from the Revenue Fund	452,450	--	--	--	--	--	--
Total Funds	452,450	--	--	--	--	--	--

(1) Provided by Finance

Project Title:	Command Center	Department (Name/Dept #): Information Technology - (20111)/20111				CIP #: 7001253		
Description:	Upgrade of our Command Center radio and recording infrastructure.	Roadway (Name/Fund #): Capital Improvement Fund - (1501)/1501				Purpose Priority: --		
		Operational and Maintenance Costs:						
Justification:	Upgrade of our Command Center radio and recording infrastructure to meet the Authority's needs and provide a supportable system capable of handling the future needs of our customers.		FY2017	FY2018	FY2019	FY2020	FY2021	
		Personnel	--	--	--	--	--	
		Supplies Expense	--	--	--	--	--	
		Services and Charges	--	--	--	--	--	
		Software Annual Support	--	--	--	--	--	
	Property Management	--	--	--	--	--		
	Totals	--	--	--	--	--		
		Budget	Budget					Five Year Totals
Project Allocation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2017 - FY2021	
Consulting/Profess Serv Tech - (521301)	250,000	100,000	50,000	50,000	50,000	--	250,000	
Computers - (531641)	500,000	500,000	50,000	50,000	50,000	--	650,000	
Software - (531651)	100,000	250,000	75,000	75,000	75,000	--	475,000	
Total Allocations	850,000	850,000	175,000	175,000	175,000	--	1,375,000	
Reimbursements								
Total Reimbursement	--	--	--	--	--	--	--	
Source of Funds (1)								
Revenue Distribution from the Revenue Fund	850,000	850,000	175,000	175,000	175,000	--	1,375,000	
Total Funds	850,000	850,000	175,000	175,000	175,000	--	1,375,000	

(1) Provided by Finance

Project Title:	Systemwide CIF Projects - Buildings	Department (Name/Dept #): Admin Infrastructure - (20221)/20221					CIP #: 1000835	
Description:	Major building modifications and/or expansion.	Roadway (Name/Fund #): Capital Improvement Fund - (1501)/1501					Purpose Priority: 2	
		Operational and Maintenance Costs:						
Justification:	Buildings are modified or expanded as NTTA system expands. Annual inspections are conducted to identify any improvements required.		FY2017	FY2018	FY2019	FY2020	FY2021	
		Personnel	--	--	--	--	--	
		Supplies Expense	--	--	--	--	--	
		Services and Charges	--	--	--	--	--	
		Software Annual Support	--	--	--	--	--	
		Property Management	--	--	--	--	--	
		Totals	--	--	--	--	--	
		Budget	Budget					Five Year Totals
Project Allocation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2017 - FY2021	
Building Improvements - (541302)	1,725,000	2,350,000	1,225,000	900,000	400,000	650,000	5,525,000	
Total Allocations	1,725,000	2,350,000	1,225,000	900,000	400,000	650,000	5,525,000	
Reimbursements								
Total Reimbursement	--	--	--	--	--	--	--	
Source of Funds (1)								
Revenue Distribution from the Revenue Fund	1,725,000	2,350,000	1,225,000	900,000	400,000	650,000	5,525,000	
Total Funds	1,725,000	2,350,000	1,225,000	900,000	400,000	650,000	5,525,000	

(1) Provided by Finance

Project Title:	Systemwide CIF Projects - Roadway	Department (Name/Dept #): Project Delivery - (20511)/20511					CIP #: 1000431	
Description:	Major roadway rehabilitation or extensions.	Roadway (Name/Fund #): Capital Improvement Fund - (1501)/1501					Purpose Priority: --	
		Operational and Maintenance Costs:						
Justification:	To maintain NTTA assets at or above the Board approved level of quality. Projects must be performed at the "right time" to extend the useful life of the asset.	Personnel	FY2017	FY2018	FY2019	FY2020	FY2021	
		Supplies Expense	--	--	--	--	--	
		Services and Charges	--	--	--	--	--	
		Software Annual Support	--	--	--	--	--	
		Property Management	--	--	--	--	--	
Totals		--	--	--	--	--		
		Budget	Budget					Five Year Totals
Project Allocation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2017 - FY2021	
General Engineering - (521213)	220,500	225,000	225,000	225,000	225,000	225,000	1,125,000	
Infrastructure Rdway/Hwy/Bridg - (541401)	640,000	15,674,000	5,754,000	--	--	--	21,428,000	
Total Allocations	860,500	15,899,000	5,979,000	225,000	225,000	225,000	22,553,000	
Reimbursements								
Total Reimbursement	--	--	--	--	--	--	--	
Source of Funds (1)								
Revenue Distribution from the Revenue Fund	860,500	15,899,000	5,979,000	225,000	225,000	225,000	22,553,000	
Total Funds	860,500	15,899,000	5,979,000	225,000	225,000	225,000	22,553,000	

(1) Provided by Finance

Project Title:	PGBT Widening	Department (Name/Dept #): Project Delivery - (20511)/20511				CIP #: 2000417	
Description:	Limits: SH 78 to north of Belt Line Road. Adds an additional lane in each direction to PGBT.	Roadway (Name/Fund #): Capital Improvement Fund - (1501)/1501				Purpose Priority: 1	
		Operational and Maintenance Costs:					
Justification:	Needed to alleviate congestion on PGBT. Limits: DNT to US75 - Constr.: 2015 - 2016; OTT: late 2016. I-35E to DNT, US 75 to SH78 - Constr.: 2017 - 2019; OTT - 2019. N. of Beltline to I-35E - Dsgn.; 2017; Constr.: mid 2018 - mid 2020; OTT 2020		FY2017	FY2018	FY2019	FY2020	FY2021
		Personnel	--	--	--	--	--
		Supplies Expense	--	--	--	--	--
		Services and Charges	--	--	--	--	--
		Software Annual Support	--	--	--	--	--
		Property Management	--	--	--	--	
		Totals	--	--	--	--	
	Budget	Budget					Five Year Totals
Project Allocation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2017 - FY2021
Administration (01)	500,000	1,250,000	975,000	575,000	250,000	--	3,050,000
Planning (02)	400,000	110,500	--	--	--	--	110,500
Design (03)	2,400,000	1,527,400	378,408	11,140	--	--	1,916,948
Construction (04)	8,400,000	31,000,000	30,160,000	14,870,550	2,970,000	--	79,000,550
Other (176999)	250,000	--	--	--	--	--	--
Total Allocations	11,950,000	33,887,900	31,513,408	15,456,690	3,220,000	--	84,077,998
Reimbursements							
Total Reimbursement	--	--	--	--	--	--	--
Source of Funds (1)							
Revenue Distribution from the Revenue Fund	11,950,000	33,887,900	31,513,408	15,456,690	3,220,000	--	84,077,998
Total Funds	11,950,000	33,887,900	31,513,408	15,456,690	3,220,000	--	84,077,998

(1) Provided by Finance

Project Title:	Systemwide CIF Projects - Walls	Department (Name/Dept #): Project Delivery - (20511)/20511					CIP #: 2000430	
Description:	Retaining and screening wall repair and replacement projects. Projects include items such as MSE wall stabilization.	Roadway (Name/Fund #): Capital Improvement Fund - (1501)/1501					Purpose Priority: --	
		Operational and Maintenance Costs:						
Justification:	To maintain NTTA assets at or above the Board-approved level of quality and ultimately for the safety of NTTA's customers.	Personnel	FY2017	FY2018	FY2019	FY2020	FY2021	
		Supplies Expense	--	--	--	--	--	
		Services and Charges	--	--	--	--	--	
		Software Annual Support	--	--	--	--	--	
		Property Management	--	--	--	--	--	
		Totals	--	--	--	--	--	
		Budget	Budget					Five Year Totals
Project Allocation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2017 - FY2021	
Infrastructure Rdway/Hwy/Bridg - (541401)	9,000,000	13,200,000	13,200,000	4,700,000	2,900,000	4,000,000	38,000,000	
Total Allocations	9,000,000	13,200,000	13,200,000	4,700,000	2,900,000	4,000,000	38,000,000	
Reimbursements								
Total Reimbursement	--	--	--	--	--	--	--	
Source of Funds (1)								
Revenue Distribution from the Revenue Fund	9,000,000	13,200,000	13,200,000	4,700,000	2,900,000	4,000,000	38,000,000	
Total Funds	9,000,000	13,200,000	13,200,000	4,700,000	2,900,000	4,000,000	38,000,000	

(1) Provided by Finance

Project Title:	I - 35E	Department (Name/Dept #): Project Delivery - (20511)/20511				CIP #: 2000434	
Description:	Limits: I- 635 to US 380.	Roadway (Name/Fund #): Capital Improvement Fund - (1501)/1501				Purpose Priority: 3	
		Operational and Maintenance Costs:					
Justification:	Design review of TxDOT project affecting PGBT & SRT		FY2017	FY2018	FY2019	FY2020	FY2021
		Personnel	--	--	--	--	--
		Supplies Expense	--	--	--	--	--
		Services and Charges	--	--	--	--	--
		Software Annual Support	--	--	--	--	--
	Property Management	--	--	--	--	--	
	Totals	--	--	--	--	--	
	Budget	Budget					Five Year Totals
Project Allocation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2017 - FY2021
Administration (01)	--	15,000	--	--	--	--	15,000
Total Allocations	--	15,000	--	--	--	--	15,000
Reimbursements							
Total Reimbursement	--	--	--	--	--	--	--
Source of Funds (1)							
Revenue Distribution from the Revenue Fund	--	15,000	--	--	--	--	15,000
Total Funds	--	15,000	--	--	--	--	15,000

(1) Provided by Finance

Project Title:	DNT 4th Lane	Department (Name/Dept #): Project Delivery - (20511)/20511				CIP #: 2100003	
Description:	Limits: DNT Improvements from Parker to SRT, adds an additional lane in each direction to DNT.	Roadway (Name/Fund #): Capital Improvement Fund - (1501)/1501				Purpose Priority: 2	
		Operational and Maintenance Costs:					
Justification:	Project is needed to alleviate traffic congestion along the DNT. Schedule: Design: 2014, Construction: 2015 to early 2018, Open to Traffic: Early 2018		FY2017	FY2018	FY2019	FY2020	FY2021
		Personnel	--	--	--	--	--
		Supplies Expense	--	--	--	--	--
		Services and Charges	--	--	--	--	--
		Software Annual Support	--	--	--	--	--
	Property Management	--	--	--	--	--	
	Totals	--	--	--	--	--	
		Budget	Budget				Five Year Totals
Project Allocation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2017 - FY2021
Administration (01)	950,000	800,000	300,000	150,000	--	--	1,250,000
Design (03)	400,000	403,000	--	--	--	--	403,000
Construction (04)	31,140,000	34,000,000	5,600,000	550,000	--	--	40,150,000
Equipment/Hardware (05)	1,300,000	213,000	72,000	--	--	--	285,000
Other (176999)	2,000,000	1,000,000	--	--	--	--	1,000,000
Total Allocations	35,790,000	36,416,000	5,972,000	700,000	--	--	43,088,000
Reimbursements							
Total Reimbursement	--	--	--	--	--	--	--
Source of Funds (1)							
Revenue Distribution from the Revenue Fund	35,790,000	36,416,000	5,972,000	700,000	--	--	43,088,000
Total Funds	35,790,000	36,416,000	5,972,000	700,000	--	--	43,088,000

(1) Provided by Finance

Project Title:	DNT Improvements at DNT/PGBT Interchange	Department (Name/Dept #): Project Delivery - (20511)/20511				CIP #: 2100004	
Description:	Limits: DNT/PGBT Interchange Reconfigure existing direct connector ramps north of DNT/PGBT interchange.	Roadway (Name/Fund #): Capital Improvement Fund - (1501)/1501				Purpose Priority: 2	
		Operational and Maintenance Costs:					
Justification:	Project is needed to alleviate traffic weaving congestion at DNT/PGBT interchange. Schedule: Design: 2014, Construction: 2015 to early 2018, OTT: Early 2018		FY2017	FY2018	FY2019	FY2020	FY2021
		Personnel	--	--	--	--	--
		Supplies Expense	--	--	--	--	--
		Services and Charges	--	--	--	--	--
		Software Annual Support	--	--	--	--	--
	Property Management	--	--	--	--	--	
	Totals	--	--	--	--	--	
		Budget	Budget				Five Year Totals
Project Allocation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2017 - FY2021
Right-of-Way (06)	300,000	60,000	--	--	--	--	60,000
Administration (01)	950,000	800,000	300,000	150,000	--	--	1,250,000
Design (03)	60,000	244,000	34,000	--	--	--	278,000
Construction (04)	25,500,000	26,000,000	4,900,000	308,000	--	--	31,208,000
Equipment/Hardware (05)	1,400,000	98,000	32,000	--	--	--	130,000
Other (176999)	2,000,000	1,000,000	--	--	--	--	1,000,000
Total Allocations	30,210,000	28,202,000	5,266,000	458,000	--	--	33,926,000
Reimbursements							
Total Reimbursement	--	--	--	--	--	--	--
Source of Funds (1)							
Revenue Distribution from the Revenue Fund	30,210,000	28,202,000	5,266,000	458,000	--	--	33,926,000
Total Funds	30,210,000	28,202,000	5,266,000	458,000	--	--	33,926,000

(1) Provided by Finance

Project Title:	DNT Phase 4A	Department (Name/Dept #): Project Delivery - (20511)/20511				CIP #: 2100007		
Description:	Limits: DNT overpass at US 380 with ramps from DNT to northbound and southbound service road.	Roadway (Name/Fund #): Capital Improvement Fund - (1501)/1501				Purpose Priority: --		
		Operational and Maintenance Costs:						
Justification:	Needed to alleviate congestion at DNT/US 380 intersection. Schedule: Environmental: 2017; Design: 2018; Construction: 2019 - 2021; OTT: 2021		FY2017	FY2018	FY2019	FY2020	FY2021	
		Personnel	--	--	--	--	--	
		Supplies Expense	--	--	--	--	--	
		Services and Charges	--	--	--	--	--	
		Software Annual Support	--	--	--	--	--	
	Property Management	--	--	--	--	--		
	Totals	--	--	--	--	--		
		Budget	Budget					Five Year Totals
Project Allocation		FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2017 - FY2021
Administration (01)		--	350,000	700,000	1,200,000	1,200,000	800,000	4,250,000
Design (03)		--	--	4,592,830	512,892	272,684	188,663	5,567,069
Construction (04)		--	--	--	36,524,437	36,572,612	17,303,409	90,400,458
Equipment/Hardware (05)		--	--	--	--	718,525	--	718,525
Other (176999)		--	--	--	1,073,000	--	--	1,073,000
Total Allocations		--	350,000	5,292,830	39,310,329	38,763,821	18,292,072	102,009,052
Reimbursements								
Total Reimbursement		--	--	--	--	--	--	--
Source of Funds (1)								
Revenue Distribution from the Revenue Fund		--	350,000	5,292,830	39,310,329	38,763,821	18,292,072	102,009,052
Total Funds		--	350,000	5,292,830	39,310,329	38,763,821	18,292,072	102,009,052

(1) Provided by Finance

Project Title:	DNT Segment 1 Design Guidelines Implementation	Department (Name/Dept #): Project Delivery - (20511)/20511					CIP #: 2100310	
Description:	Limits: North of I-35E to south of I- 635. Includes replacement of lighting, installation of bridge fencing and ROW fencing, landscape & irrigation improvements.	Roadway (Name/Fund #): Capital Improvement Fund - (1501)/1501					Purpose Priority: 3	
		Operational and Maintenance Costs:						
Justification:	This segment of DNT requires improvements that comply with the board adopted NTTA Design Guidelines promoting corridor consistency. Schedule: Design: 2018, Construction: 2019-2020 .		FY2017	FY2018	FY2019	FY2020	FY2021	
		Personnel	--	--	--	--	--	
		Supplies Expense	--	--	--	--	--	
		Services and Charges	--	--	--	--	--	
		Software Annual Support	--	--	--	--	--	
	Property Management	--	--	--	--	--		
	Totals	--	--	--	--	--		
	Budget	Budget					Five Year Totals	
Project Allocation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2017 - FY2021	
Administration (01)	--	--	200,000	275,000	200,000	20,000	695,000	
Design (03)	--	--	1,070,000	210,000	65,000	--	1,345,000	
Construction (04)	--	--	--	7,610,000	3,890,000	124,000	11,624,000	
Total Allocations	--	--	1,270,000	8,095,000	4,155,000	144,000	13,664,000	
Reimbursements								
Total Reimbursement	--	--	--	--	--	--	--	
Source of Funds (1)								
Revenue Distribution from the Revenue Fund	--	--	1,270,000	8,095,000	4,155,000	144,000	13,664,000	
Total Funds	--	--	1,270,000	8,095,000	4,155,000	144,000	13,664,000	

(1) Provided by Finance

Project Title:	SH 360	Department (Name/Dept #): Project Delivery - (20511)/20511				CIP #: 2900000	
Description:	Limits: Green Oaks to US 287. Stage constructed - two mainlanes in each direction with remaining frontage roads.	Roadway (Name/Fund #): Capital Improvement Fund - (1501)/1501				Purpose Priority: --	
		Operational and Maintenance Costs:					
Justification:	Per ILA, TxDOT will design & stage construction of mainlanes & add'l frontage roads. NTTA to provide oversight during design/build process. Schedule: Design & construction 2015-2018. NTTA to purchase & install tolling equipment; reimbursement by TxDOT.		FY2017	FY2018	FY2019	FY2020	FY2021
		Personnel	--	--	--	--	--
		Supplies Expense	--	--	--	--	--
		Services and Charges	--	--	--	--	--
		Software Annual Support	--	--	--	--	--
	Property Management	--	--	--	--	--	
	Totals	--	--	--	--	--	
	Budget	Budget					Five Year Totals
Project Allocation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2017 - FY2021
Administration (01)	100,000	100,000	100,000	--	--	--	200,000
Equipment/Hardware (05)	--	2,130,000	--	--	--	--	2,130,000
Total Allocations	100,000	2,230,000	100,000	--	--	--	2,330,000
Reimbursements							
TxDOT	--	2,130,000	--	--	--	--	2,130,000
Total Reimbursement	--	2,130,000	--	--	--	--	2,130,000
Source of Funds (1)							
Revenue Distribution from the Revenue Fund	100,000	100,000	100,000	--	--	--	200,000
Total Funds	100,000	100,000	100,000	--	--	--	200,000

(1) Provided by Finance

Project Title:	DNT Improvements I-635 to PGBT	Department (Name/Dept #): Project Delivery - (20511)/20511				CIP #: 700055	
Description:	Limits: I-635 to PGBT Addition of fourth lane between Belt Line Road & PGBT. Relocation of existing illumination from center barrier to outside shoulders. Asphalt overlay from Harvest Hill to Haverwood.	Roadway (Name/Fund #): Capital Improvement Fund - (1501)/1501				Purpose Priority: --	
		Operational and Maintenance Costs:					
Justification:	Schedule: Design:2014-2015, Construction: 2016 to early 2018, OTT: Early 2018.		FY2017	FY2018	FY2019	FY2020	FY2021
		Personnel	--	--	--	--	--
		Supplies Expense	--	--	--	--	--
		Services and Charges	--	--	--	--	--
		Software Annual Support	--	--	--	--	--
	Property Management	--	--	--	--	--	
	Totals	--	--	--	--	--	
		Budget	Budget				Five Year Totals
Project Allocation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2017 - FY2021
Administration (01)	300,000	550,000	100,000	--	--	--	650,000
Design (03)	45,000	36,000	--	--	--	--	36,000
Construction (04)	7,043,933	12,000,000	900,000	--	--	--	12,900,000
Equipment/Hardware (05)	205,000	400,000	--	--	--	--	400,000
Other (176999)	720,000	--	--	--	--	--	--
Total Allocations	8,313,933	12,986,000	1,000,000	--	--	--	13,986,000
Reimbursements							
Total Reimbursement	--	--	--	--	--	--	--
Source of Funds (1)							
Revenue Distribution from the Revenue Fund	8,313,933	12,986,000	1,000,000	--	--	--	13,986,000
Total Funds	8,313,933	12,986,000	1,000,000	--	--	--	13,986,000

(1) Provided by Finance

Project Title:	Systemwide CIF Projects	Department (Name/Dept #): System & Incdnt Mngmt - (20611)/20611					CIP #: 1000431	
Description:	Traffic engineering professional services, systemwide traffic safety & flow improvements, DNT exit to Mockingbird improvement, traffic sensors (MVD) deployment and roadway NTTA radio channel.	Roadway (Name/Fund #): Capital Improvement Fund - (1501)/1501					Purpose Priority: --	
		Operational and Maintenance Costs:						
Justification:	Projects to increase safety and efficiencies for roadway crews and customers; improve the flow of traffic during incidents and construction.		FY2017	FY2018	FY2019	FY2020	FY2021	
		Personnel	--	--	--	--	--	
		Supplies Expense	--	--	--	--	--	
		Services and Charges	--	--	--	--	--	
		Software Annual Support	--	--	--	--	--	
	Property Management	--	--	--	--	--		
	Totals	--	--	--	--	--		
		Budget	Budget					Five Year Totals
Project Allocation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2017 - FY2021	
Traffic Engineering Fees - (521207)	750,000	750,000	750,000	750,000	750,000	750,000	3,750,000	
Building Improvements - (541302)	100,000	400,000	--	--	--	--	400,000	
Infrastructure Rdway/Hwy/Bridg - (541401)	1,700,000	3,150,000	2,700,000	2,250,000	2,250,000	2,250,000	12,600,000	
Infrastructure - Other - (541403)	200,000	300,000	75,000	50,000	--	--	425,000	
Total Allocations	2,750,000	4,600,000	3,525,000	3,050,000	3,000,000	3,000,000	17,175,000	
Reimbursements								
Total Reimbursement	--	--	--	--	--	--	--	
Source of Funds (1)								
Revenue Distribution from the Revenue Fund	2,750,000	4,600,000	3,525,000	3,050,000	3,000,000	3,000,000	17,175,000	
Total Funds	2,750,000	4,600,000	3,525,000	3,050,000	3,000,000	3,000,000	17,175,000	

(1) Provided by Finance

NTTA SYSTEM CONSTRUCTION PROJECTS



NTTA System Construction Projects

These projects are currently under construction or being planned for construction using NTTA System bond proceeds and are considered part of the NTTA System, as defined in the Trust Agreement. Upon completion, the projects will share their operations and maintenance costs with the System.

PRESIDENT GEORGE BUSH TURNPIKE EASTERN EXTENSION

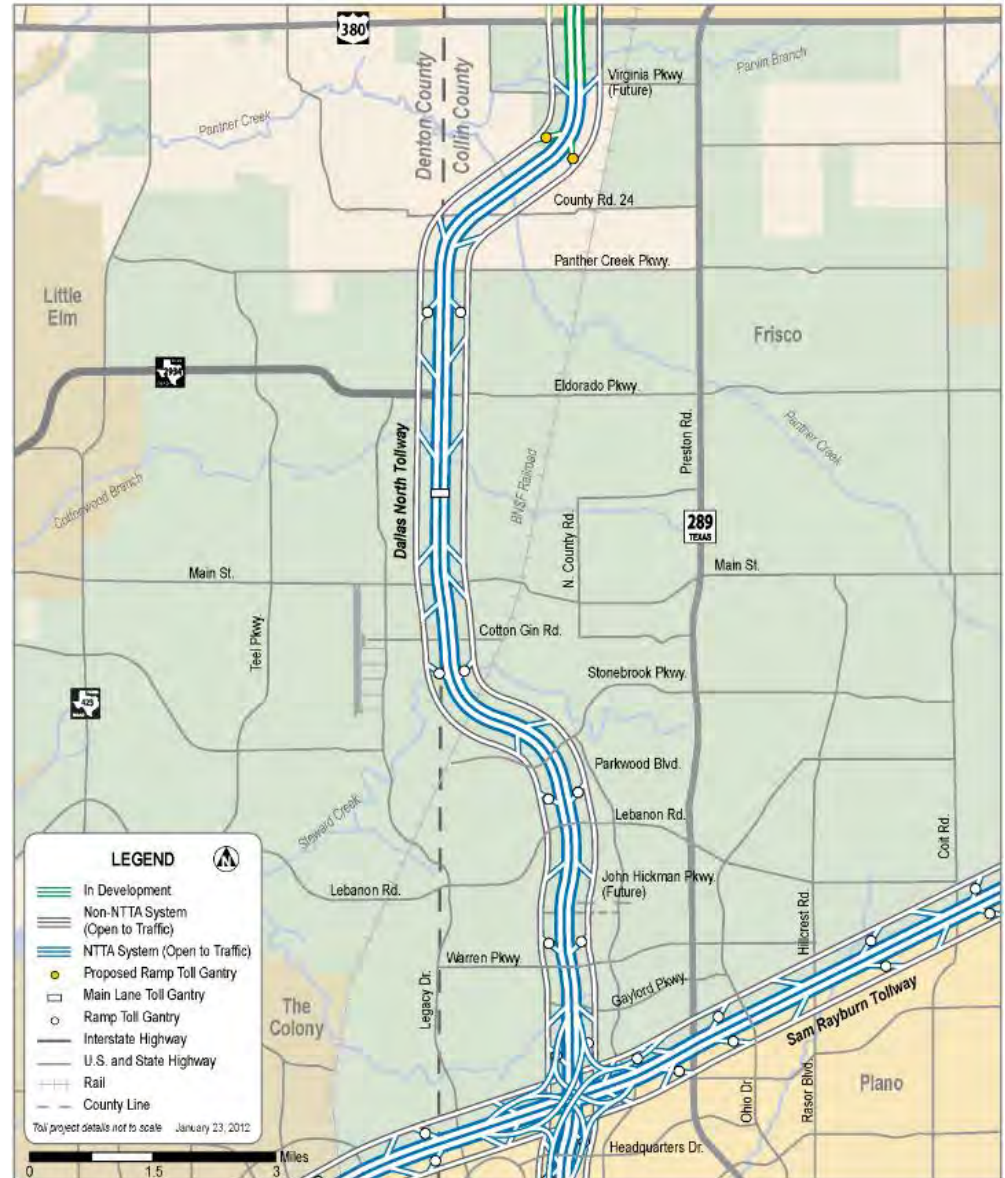
The Eastern Extension is a portion of the outer loop around Dallas and its suburbs that connects I-30 to the existing PGBT. The project was completed in late FY2012 with only minor cost in FY2017 of \$1.8 million for right-of-way obligations.



NTTA System Construction Projects (continued)

DALLAS NORTH TOLLWAY PHASE 3

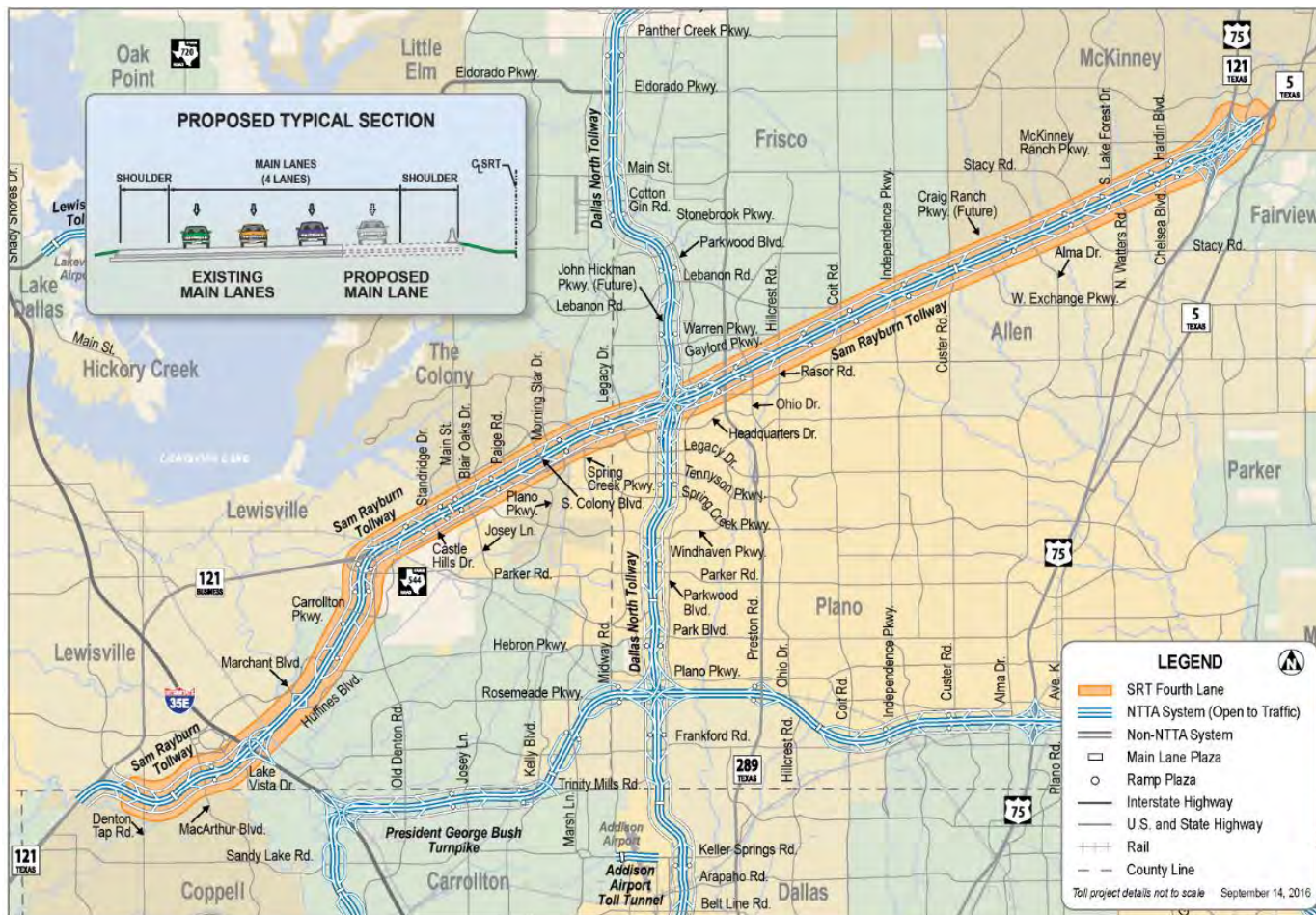
The DNT Phase 3 runs from Gaylord Parkway north to U.S. 380. The 9.2-mile extension opened to traffic in September 2007. Per an Interlocal Agreement with the City of Frisco, the construction of toll gantries at Rockhill Road is scheduled for FY2017. The estimate for the gantries is \$1.1 million.



NTTA System Construction Projects (continued)

SAM RAYBURN TOLLWAY FOURTH LANE (WIDENING) PROJECT

The SRT is approximately 26 miles long. The first two segments of the toll road opened to traffic in FY2008 and the last segment opened in Nov. FY2011. Per a Project Agreement with TxDOT, when traffic levels reach certain thresholds, NTTA is required to build additional lanes of traffic. A fourth lane of traffic will be added in each direction from Business 121 to U.S. 75. Construction scheduled to begin in mid-FY2018; open to traffic in FY2020. The FY2017 - FY2021 Capital Plan includes \$162.6 million for this project. The total project construction costs are estimated at \$165.7 million.



NTTA System Construction Projects (continued)

DALLAS NORTH TOLLWAY PHASE 4B (SOUTHBOUND FRONTAGE ROAD)

Part of a proposed 17.6-mile extension of the DNT from U.S. 380 north to FM 121 in Grayson County, Phase 4B runs 7.7-miles from FM 428 to the Denton/Grayson county line. (See project map on page 123)

Construction of Phase 4B southbound frontage roads from Mobberly Road to County Line Road are estimated in the FY2017 – FY2021 Capital Plan. The cost for project is to be reimbursed by Denton County through an Interlocal Agreement.

TRINITY PARKWAY

The proposed Trinity Parkway will connect Interstate I-35E to U.S. 175, providing a new, approximately 9-mile relief route around the west and south sides of Dallas' central business district. The Trinity Parkway would be a six-lane, tolled bypass around downtown Dallas, which would provide traffic relief for the I-30 and I-35E corridors. NTTA is managing ongoing preliminary engineering efforts to advance the project. A construction date has not been determined; however for planning purposes only the FY2017 - FY2021 Capital Plan includes \$189.0 million of possible construction costs.



Consolidated NTTA System Construction Fund - (3700) - Project List FY2017 - FY2021 CAPITAL PLAN

Department	Project	Estimated FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	Five Year Total FY2017 - FY2021
Project Delivery - (20511)	2000410 - PGBTEE	\$3,410,000	\$1,855,060	\$0	\$0	\$0	\$0	\$1,855,060
Project Delivery - (20511)	2100008 - DNT PH4B	6,675,000	6,803,800	10,465,900	7,101,220	0	0	24,370,920
Project Delivery - (20511)	2110410 - DNT PH3	1,310,000	1,126,800	0	0	0	0	1,126,800
Project Delivery - (20511)	2500000 - SRT	156,000	113,200	0	0	0	0	113,200
Project Delivery - (20511)	2500003 - SRT Widening	2,950,000	8,827,600	40,349,630	64,389,500	48,923,500	0	162,490,230
Project Delivery - (20511)	2700000 - Trinity Pkwy	0	0	0	40,000,000	49,000,000	100,000,000	189,000,000
	Project Delivery - (20511) Total	14,501,000	18,726,460	50,815,530	111,490,720	97,923,500	100,000,000	378,956,210
Totals		\$14,501,000	\$18,726,460	\$50,815,530	\$111,490,720	\$97,923,500	\$100,000,000	\$378,956,210

FY2016 Project Adjustments

Project Delivery - (20511)	2000410 - PGBTEE	(3,252,471)	0	0	0	0	0	0
Project Delivery - (20511)	2100008 - DNT PH4B	(6,428,920)	0	0	0	0	0	0
Project Delivery - (20511)	2110410 - DNT PH3	(1,126,800)	0	0	0	0	0	0
Project Delivery - (20511)	2500000 - SRT	(56,550)	0	0	0	0	0	0
Project Delivery - (20511)	2500003 - SRT Widening	(1,292,016)	0	0	0	0	0	0
Totals		(\$12,156,757)	\$0	\$0	\$0	\$0	\$0	\$0
Total FY2017 - FY2021 Construction Project Costs		\$2,344,243	\$18,726,460	\$50,815,530	\$111,490,720	\$97,923,500	\$100,000,000	\$378,956,210

Report contains only project costs.

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

Project Delivery - (20511)	2000410 - PGBTEE	157,529	See page 114.
Project Delivery - (20511)	2100008 - DNT PH4B	246,080	See page 115.
Project Delivery - (20511)	2110410 - DNT PH3	183,200	See page 116.
Project Delivery - (20511)	2500000 - SRT	99,450	See page 117.
Project Delivery - (20511)	2500003 - SRT Widening	1,657,984	See page 118.

Project Title:	PGBT EE	Department (Name/Dept #): Project Delivery - (20511)/20511				CIP #: 2000410	
Description:	Limits: SH 78 to IH- 30. Approx 9.9 miles. Six main lanes & intermittent three lane frontage roads.	Roadway (Name/Fund #): PGBT EE Construction Fund - (3722)/3722				Purpose Priority: 1	
		Operational and Maintenance Costs:					
Justification:	All roadway construction complete. Remaining work for right-of-way obligations.		FY2017	FY2018	FY2019	FY2020	FY2021
		Personnel	--	--	--	--	--
		Supplies Expense	--	--	--	--	--
		Services and Charges	--	--	--	--	--
		Software Annual Support	--	--	--	--	--
		Property Management	--	--	--	--	--
		Totals	--	--	--	--	--
		Budget	Budget				Five Year Totals
Project Allocation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2017 - FY2021
Right-of-Way (06)	--	1,688,360	--	--	--	--	1,688,360
Administration (01)	132,000	114,000	--	--	--	--	114,000
Design (03)	25,529	52,700	--	--	--	--	52,700
Total Allocations	157,529	1,855,060	--	--	--	--	1,855,060
Reimbursements							
Total Reimbursement	--	--	--	--	--	--	--
Source of Funds (1)							
Revenue Distribution from the Revenue Fund	157,529	1,855,060	--	--	--	--	1,855,060
Total Funds	157,529	1,855,060	--	--	--	--	1,855,060

(1) Provided by Finance

Project Title:	DNT Phase 4B	Department (Name/Dept #): Project Delivery - (20511)/20511				CIP #: 2100008	
Description:	Approx. 8 miles; two lane south-bound frontage roads from FM 428 to north of Denton County line.	Roadway (Name/Fund #): General Construction Fund - (3714)/3714				Purpose Priority: --	
		Operational and Maintenance Costs:					
Justification:	Design & Construction of DNT Phase 4B southbound frontage road in Denton & Collin counties. Costs are reimbursed by Denton County. Schedule: Design 2016; Constr. mid 2017-2019; OTT Spring 2019		FY2017	FY2018	FY2019	FY2020	FY2021
		Personnel	--	--	--	--	--
		Supplies Expense	--	--	--	--	--
		Services and Charges	--	--	--	--	--
		Software Annual Support	--	--	--	--	--
		Property Management	--	--	--	--	
		Totals	--	--	--	--	
	Budget	Budget					Five Year Totals
Project Allocation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2017 - FY2021
Right-of-Way (06)	--	100,000	--	--	--	--	100,000
Administration (01)	175,000	490,000	535,000	490,000	--	--	1,515,000
Planning (02)	--	29,500	--	--	--	--	29,500
Design (03)	71,080	259,000	11,800	4,000	--	--	274,800
Construction (04)	--	4,925,300	9,919,100	6,607,220	--	--	21,451,620
Other (176999)	--	1,000,000	--	--	--	--	1,000,000
Total Allocations	246,080	6,803,800	10,465,900	7,101,220	--	--	24,370,920
Reimbursements							
Denton County	246,080	6,803,800	10,465,900	7,101,220	--	--	24,370,920
Total Reimbursement	246,080	6,803,800	10,465,900	7,101,220	--	--	24,370,920
Source of Funds (1)							
Total Funds	--	--	--	--	--	--	--

(1) Provided by Finance

Project Title:	DNT PH 3	Department (Name/Dept #): Project Delivery - (20511)/20511				CIP #: 2110410	
Description:	Add toll gantries to the existing (closed) ramps to/from Panther Creek Parkway.	Roadway (Name/Fund #): 2005 Construction Fund - (3713)/3713				Purpose Priority: 1	
		Operational and Maintenance Costs:					
Justification:	City of Frisco is currently constructing the road north of Panther Creek Parkway (Rockhill Rd) that intersects with DNT. Opening these ramps provides access to DNT.	Personnel	FY2017	FY2018	FY2019	FY2020	FY2021
		Supplies Expense	--	--	--	--	--
		Services and Charges	--	--	--	--	--
		Software Annual Support	--	--	--	--	--
		Property Management	--	--	--	--	--
Totals		--	--	--	--	--	
		Budget	Budget				Five Year Totals
Project Allocation		FY2016	FY2017	FY2018	FY2019	FY2020	FY2021
Administration (01)		--	76,800	--	--	--	--
Construction (04)		183,200	800,000	--	--	--	--
Equipment/Hardware (05)		--	250,000	--	--	--	--
Total Allocations		183,200	1,126,800	--	--	--	--
Reimbursements							
Total Reimbursement		--	--	--	--	--	--
Source of Funds (1)							
Revenue Distribution from the Revenue Fund		--	1,126,800	--	--	--	--
Bond Proceeds		183,200	--	--	--	--	--
Total Funds		183,200	1,126,800	--	--	--	--

(1) Provided by Finance

Project Title:	Sam Rayburn Tollway	Department (Name/Dept #): Project Delivery - (20511)/20511				CIP #: 2500000	
Description:	Limits: Denton Tap Rd to US 75 S. Colony Blvd bridge construction over Sam Rayburn Tollway by others.	Roadway (Name/Fund #): Sam Ray Toll Const Fund(SH121) - (3751)/3751				Purpose Priority: 1	
		Operational and Maintenance Costs:					
Justification:	Provide third-party construction oversight for S. Colony Blvd bridge & ramp construction; reimbursement by The Colony.		FY2017	FY2018	FY2019	FY2020	FY2021
		Personnel	--	--	--	--	--
		Supplies Expense	--	--	--	--	--
		Services and Charges	--	--	--	--	--
		Software Annual Support	--	--	--	--	--
		Property Management	--	--	--	--	--
		Totals	--	--	--	--	--
		Budget	Budget				Five Year Totals
Project Allocation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2017 - FY2021
Administration (01)	99,450	113,200	--	--	--	--	113,200
Total Allocations	99,450	113,200	--	--	--	--	113,200
Reimbursements							
City of the Colony	99,450	--	--	--	--	--	--
Total Reimbursement	99,450	--	--	--	--	--	--
Source of Funds (1)							
Revenue Distribution from the Revenue Fund	--	113,200	--	--	--	--	113,200
Total Funds	--	113,200	--	--	--	--	113,200

(1) Provided by Finance

Project Title:	Sam Rayburn Tollway Widening	Department (Name/Dept #): Project Delivery - (20511)/20511					CIP #: 2500003	
Description:	Limits: Denton Tap Rd to US 75; adds an additional lane in each direction to SRT.	Roadway (Name/Fund #): Sam Ray Toll Const Fund(SH121) - (3751)/3751					Purpose Priority: 1	
		Operational and Maintenance Costs:						
Justification:	Needed to alleviate traffic congestion along the SRT. Design: 2017 - 2018, Construction: 2018 - 2020, OTT: 2020		FY2017	FY2018	FY2019	FY2020	FY2021	
		Personnel	--	--	--	--	--	
		Supplies Expense	--	--	--	--	--	
		Services and Charges	--	--	--	--	--	
		Software Annual Support	--	--	--	--	--	
		Property Management	--	--	--	--		
		Totals	--	--	--	--		
		Budget	Budget					Five Year Totals
Project Allocation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2017 - FY2021	
Administration (01)	250,000	1,097,500	1,300,000	1,500,000	1,300,000	--	5,197,500	
Planning (02)	1,200,000	130,100	--	--	--	--	130,100	
Design (03)	207,984	7,600,000	1,893,230	364,500	176,500	--	10,034,230	
Construction (04)	--	--	36,656,400	62,525,000	47,447,000	--	146,628,400	
Other (176999)	--	--	500,000	--	--	--	500,000	
Total Allocations	1,657,984	8,827,600	40,349,630	64,389,500	48,923,500	--	162,490,230	
Reimbursements								
Total Reimbursement	--	--	--	--	--	--	--	
Source of Funds (1)								
Bond Proceeds	1,657,984	6,500,000	35,800,000	--	--	--	42,300,000	
Transfer from Capital Improvement Fund	--	2,327,600	4,549,630	64,389,500	48,923,500	--	120,190,230	
Total Funds	1,657,984	8,827,600	40,349,630	64,389,500	48,923,500	--	162,490,230	

(1) Provided by Finance

Project Title:	Trinity Parkway	Department (Name/Dept #): Project Delivery - (20511)/20511				CIP #: 2700000	
Description:	Limits: I-35E to SH 175 Stage construction of four-to-six mainlanes.	Roadway (Name/Fund #): General Construction Fund - (3714)/3714				Purpose Priority: 3	
		Operational and Maintenance Costs:					
Justification:	Record of Decision received in 2015. Schedule: Design: starting in 2019.		FY2017	FY2018	FY2019	FY2020	FY2021
		Personnel	--	--	--	--	--
		Supplies Expense	--	--	--	--	--
		Services and Charges	--	--	--	--	--
		Software Annual Support	--	--	--	--	--
		Property Management	--	--	--	--	--
		Totals	--	--	--	--	--
		Budget	Budget				Five Year Totals
Project Allocation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2017 - FY2021
Right-of-Way (06)	--	--	--	--	--	13,537,537	13,537,537
Administration (01)	--	--	--	10,000,000	10,630,000	16,622,470	37,252,470
Design (03)	--	--	--	30,000,000	38,370,000	17,098,330	85,468,330
Construction (04)	--	--	--	--	--	52,741,663	52,741,663
Total Allocations	--	--	--	40,000,000	49,000,000	100,000,000	189,000,000
Reimbursements							
Total Reimbursement	--	--	--	--	--	--	--
Source of Funds (1)							
Transfer from Capital Improvement Fund	--	--	--	40,000,000	49,000,000	100,000,000	189,000,000
Total Funds	--	--	--	40,000,000	49,000,000	100,000,000	189,000,000

(1) Provided by Finance



FEASIBILITY STUDY PROJECTS



Feasibility Study Projects

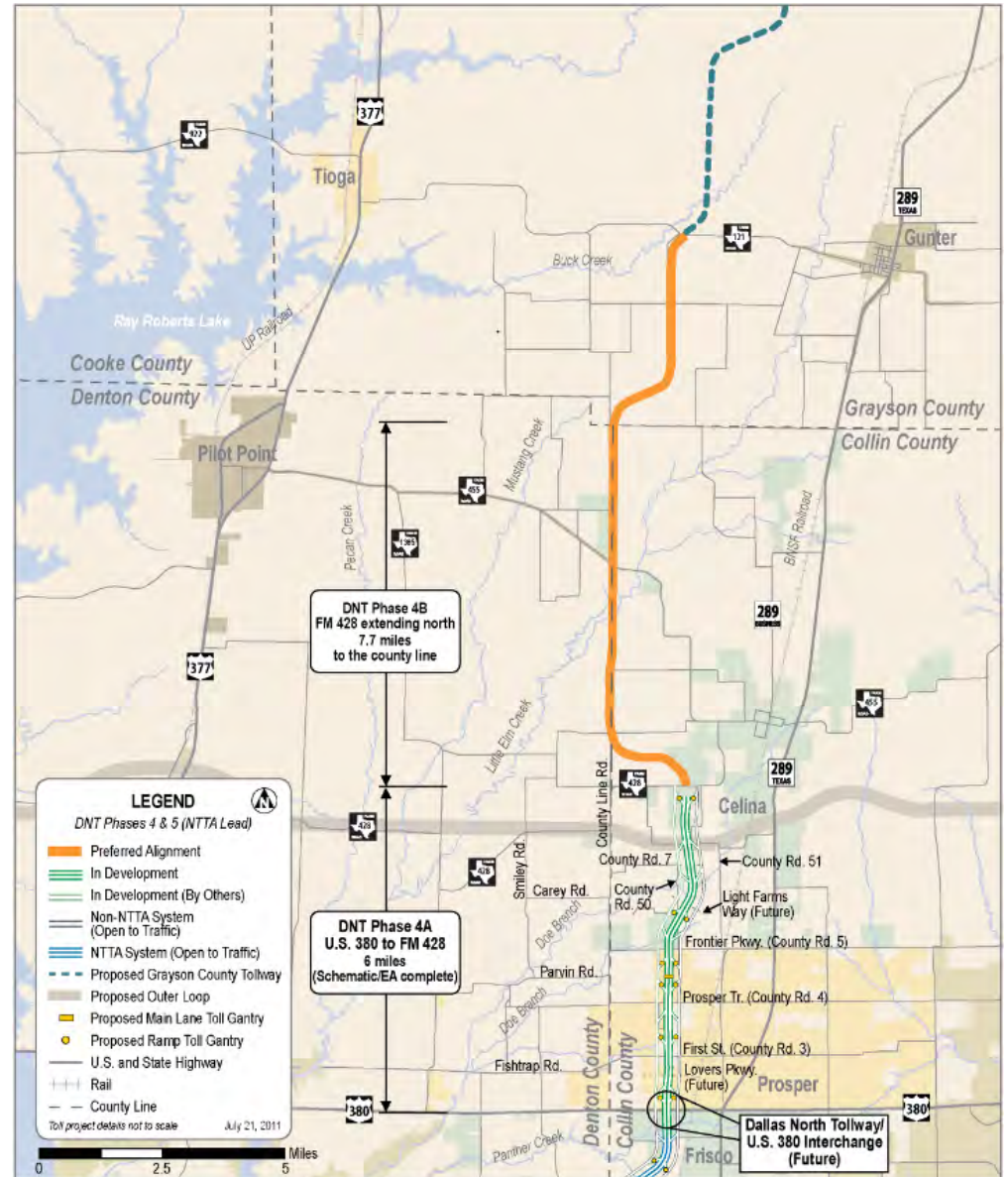
These corridors represent potential future toll projects. Each project undergoes an extensive process to determine feasibility including; traffic and revenue analysis, total project cost analysis, operating and maintenance costs analysis and a financing structure determination. The FY2017 - FY2021 Five-Year Capital Plan contains \$1.4 million for the continued feasibility study of the following projects:

DALLAS NORTH TOLLWAY PHASES 4A AND 4B

DNT Phases 4A and 4B is a proposed 17.6-mile extension of the DNT northward from U.S. 380 to the Collin/Grayson county line (Phases 4A and 4B). The extensions will be a limited access toll road with six main lanes and four frontage road lanes.

- Phase 4A – U.S. 380 to FM 428
- Phase 4B – FM 428 to the Grayson County line

By state law, the Grayson County Regional Mobility Authority has primacy on any toll project within Grayson County, including portions of the DNT which may extend into Grayson County.



Feasibility Study Projects (continued)

STATE HIGHWAY 170

The proposed SH 170 project is a 5.8 mile corridor from I-35W in Tarrant County to SH 114 in Denton County. The corridor is under study and NTTA will continue to work closely with TxDOT and our transportation partners to advance this project.



Feasibility Study Projects (continued)

STATE HIGHWAY 190 EAST BRANCH

The proposed SH 190 East Branch would extend approximately 11 miles from I-30 to I-20. The corridor would connect the proposed Loop 9 in Dallas County to the President George Bush Turnpike Eastern Extension. TxDOT is the lead agency for this proposed project through the environmental process.



Feasibility Study Projects (continued)

TRINITY PARKWAY

The proposed Trinity Parkway will connect Interstate 35E to U.S. 175, providing a new, approximately 9-mile relief route around the west and south sides of Dallas' Central Business District. The Trinity Parkway would be a six-lane, tolled bypass around downtown Dallas, which would provide traffic relief for the I-30 and I-35E corridors. The NTTA is managing ongoing preliminary engineering efforts to advance the project.

LOOP 9

The proposed Loop 9 would extend approximately 35 miles from I-20 in Dallas County to U.S. 67 in Ellis County. The proposed SH 360, SH 190 and Loop 9, along with the existing PGBT Eastern Extension would create a nearly complete loop of toll roads around the greater Dallas area. TXDOT continues to advance the project through the environmental process. (See project maps on page 7).



**Feasibility Study Fund - (1601) - Project List
FY2017 - FY2021 CAPITAL PLAN**

Department	Project	Estimated FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	Five Year Total FY2017 - FY2021
Project Delivery - (20511)	2100007 - DNT PH4A	\$10,000	\$0	\$0	\$0	\$0	\$0	\$0
Project Delivery - (20511)	2700000 - Trinity Pkwy	450,000	1,050,000	50,000	0	0	0	1,100,000
Project Delivery - (20511)	2800000 - SH 170	260,000	0	0	0	0	0	0
Project Delivery - (20511)	3000000 - SH 190	0	0	250,000	0	0	0	250,000
Project Delivery - (20511)	3800110 - Loop 9	250,000	0	0	0	0	0	0
	Project Delivery - (20511) Total	970,000	1,050,000	300,000	0	0	0	1,350,000
Totals		\$970,000	\$1,050,000	\$300,000	\$0	\$0	\$0	\$1,350,000

Report contains only project costs.

Project Title:	DNT Phase 4A	Department (Name/Dept #): Project Delivery - (20511)/20511					CIP #: 2100007
Description:	Limits: US 380 to FM 428 Six miles of six (6) mainlanes	Roadway (Name/Fund #): Feasibility Study Fund - (1601)/1601					Purpose Priority: 3
		Operational and Maintenance Costs:					
Justification:	Mobility 2035 states operational between 2019 and 2028.		FY2017	FY2018	FY2019	FY2020	FY2021
		Personnel	--	--	--	--	--
		Supplies Expense	--	--	--	--	--
		Services and Charges	--	--	--	--	--
		Software Annual Support	--	--	--	--	--
	Property Management	--	--	--	--	--	
	Totals	--	--	--	--	--	
	Budget	Budget					Five Year Totals
Project Allocation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2017 - FY2021
Deferred Charges (153001)	10,000	--	--	--	--	--	--
Total Allocations	10,000	--	--	--	--	--	--
Reimbursements							
Total Reimbursement	--	--	--	--	--	--	--
Source of Funds (1)							
Transfer from Capital Improvement Fund	10,000	--	--	--	--	--	--
Total Funds	10,000	--	--	--	--	--	--

(1) Provided by Finance

Project Title:	Trinity Parkway	Department (Name/Dept #): Project Delivery - (20511)/20511				CIP #: 2700000	
Description:	Limits: I-35E to SH 175 Stage construction of four to six mainlanes	Roadway (Name/Fund #): Feasibility Study Fund - (1601)/1601				Purpose Priority: 3	
		Operational and Maintenance Costs:					
Justification:	Record of Decision received in 2015. Additional planning work will continue into 2017. Schedule: Design starting in 2019		FY2017	FY2018	FY2019	FY2020	FY2021
		Personnel	--	--	--	--	--
		Supplies Expense	--	--	--	--	--
		Services and Charges	--	--	--	--	--
		Software Annual Support	--	--	--	--	--
		Property Management	--	--	--	--	
		Totals	--	--	--	--	
		Budget	Budget				Five Year Totals
Project Allocation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2017 - FY2021
Deferred Charges (153001)	450,000	1,050,000	50,000	--	--	--	1,100,000
Total Allocations	450,000	1,050,000	50,000	--	--	--	1,100,000
Reimbursements							
TxDOT	400,000	1,000,000	--	--	--	--	1,000,000
Total Reimbursement	400,000	1,000,000	--	--	--	--	1,000,000
Source of Funds (1)							
Transfer from Capital Improvement Fund	50,000	50,000	50,000	--	--	--	100,000
Total Funds	50,000	50,000	50,000	--	--	--	100,000

(1) Provided by Finance

Project Title:	SH 170	Department (Name/Dept #): Project Delivery - (20511)/20511				CIP #: 2800000	
Description:	Limits: SH 114 to I - 35W. Six mainlanes between existing frontage roads.	Roadway (Name/Fund #): Feasibility Study Fund - (1601)/1601				Purpose Priority: 3	
		Operational and Maintenance Costs:					
Justification:		Personnel	FY2017	FY2018	FY2019	FY2020	FY2021
		Supplies Expense	--	--	--	--	--
		Services and Charges	--	--	--	--	--
		Software Annual Support	--	--	--	--	--
		Property Management	--	--	--	--	--
Totals		--	--	--	--	--	
Project Allocation		Budget FY2016	Budget FY2017	Budget FY2018	Budget FY2019	Budget FY2020	Budget FY2021
Deferred Charges (153001)		260,000	--	--	--	--	--
Total Allocations		260,000	--	--	--	--	--
Reimbursements							
Total Reimbursement		--	--	--	--	--	--
Source of Funds (1)							
Transfer from Capital Improvement Fund		260,000	--	--	--	--	--
Total Funds		260,000	--	--	--	--	--

(1) Provided by Finance

Project Title:	SH190	Department (Name/Dept #): Project Delivery - (20511)/20511				CIP #: 3000000	
Description:	Limits: I-30 to I- 20. Approx. 11 miles. Six mainlanes & three lane service roads with eight direct connectors.	Roadway (Name/Fund #): Feasibility Study Fund - (1601)/1601				Purpose Priority: 3	
		Operational and Maintenance Costs:					
Justification:	TxDOT is lead agency on the environmental and advanced planning on this project. The Record of Decision (ROD) for the Environmental Impact Statement is expected in 2018.		FY2017	FY2018	FY2019	FY2020	FY2021
		Personnel	--	--	--	--	--
		Supplies Expense	--	--	--	--	--
		Services and Charges	--	--	--	--	--
		Software Annual Support	--	--	--	--	--
		Property Management	--	--	--	--	--
		Totals	--	--	--	--	--
	Budget	Budget					Five Year Totals
Project Allocation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2017 - FY2021
Deferred Charges (153001)	--	--	250,000	--	--	--	250,000
Total Allocations	--	--	250,000	--	--	--	250,000
Reimbursements							
Total Reimbursement	--	--	--	--	--	--	--
Source of Funds (1)							
Transfer from Capital Improvement Fund	--	--	250,000	--	--	--	250,000
Total Funds	--	--	250,000	--	--	--	250,000

(1) Provided by Finance

Project Title:	Loop 9	Department (Name/Dept #): Project Delivery - (20511)/20511				CIP #: 3800110	
Description:	Limits: US 287 to IH 20	Roadway (Name/Fund #): Feasibility Study Fund - (1601)/1601				Purpose Priority: 3	
		Operational and Maintenance Costs:					
Justification:	TxDOT is the lead agency on the environmental & advanced planning. TxDOT continues to advance the project through the environmental process.		FY2017	FY2018	FY2019	FY2020	FY2021
		Personnel	--	--	--	--	--
		Supplies Expense	--	--	--	--	--
		Services and Charges	--	--	--	--	--
		Software Annual Support	--	--	--	--	--
		Property Management	--	--	--	--	--
		Totals	--	--	--	--	--
		Budget	Budget				Five Year Totals
Project Allocation	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2017 - FY2021
Deferred Charges (153001)	250,000	--	--	--	--	--	--
Total Allocations	250,000	--	--	--	--	--	--
Reimbursements							
Total Reimbursement	--	--	--	--	--	--	--
Source of Funds (1)							
Transfer from Capital Improvement Fund	250,000	--	--	--	--	--	--
Total Funds	250,000	--	--	--	--	--	--

(1) Provided by Finance

APPENDICES



Appendix A - Index of Detail Pages

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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
March 1 - 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 Operations and Maintenance Fund) and payments into the Reserve Maintenance Fund for the subsequent fiscal year is outlined by the Amended and Restated Trust Agreement with Supplements.

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

CAPITAL PLAN PROCESS

Capital plan projects are classified into five categories: Reserve Maintenance Projects, Capital Improvement Projects, NTTA System Construction Projects, Special Project System Construction Projects, and Corridors Under Study (see Project Type and Funding Source, page 17). 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 five 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 controller.

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:

Operations and Maintenance 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, plus all prior accruals for insurance and other periodic or regularly recurring expenses.

Appendix C – Capital Plan Process

Reserve Maintenance Fund is required to maintain a reserve balance of \$5 million.

Management determined it was prudent to retain funds within the Capital Improvement Fund as insurance against unanticipated needs. During FY2010, the Authority's Board of Directors approved a Rainy Day Fund in the amount of \$50 million as the reserve in the Capital Improvement Fund. The FY2017-FY2021 Capital Plan includes the goal of accumulating an additional \$25 million in FY2021. The amount was set up to be used primarily for the subordinated CIF debt to ensure that debt payments are made. Use of this reserve requires specific action by the NTTA Board of Directors.

Appendix C – Capital Plan Process

CAPITAL PLAN PROCESS FLOW



Appendix D – Major Revenue Source

Toll revenue collected on the NTTA System is the Authority's major source of revenue. It accounts for an estimated \$703,865,300 or 96.0% of the total estimated revenue in the FY2017 Operating Budget.

TOLL REVENUE

Chapter 366 of the Texas Transportation Code authorizes the NTTA 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 has adopted a toll rate schedule for the NTTA System in substantial conformity with the recommendations of NTTA's traffic and revenue engineers. The Authority covenants in the Trust Agreement that it will keep in effect a toll rate schedule that will raise and produce net revenues (total revenue less operating expenses) sufficient to satisfy its debt service requirements.

The Authority's traffic and toll revenue estimates are provided by independent traffic and revenue engineers, currently CDM Smith. CDM Smith conducted a toll sensitivity analysis of the NTTA System that shows the current and planned toll charges on the NTTA System are below the theoretical revenue maximization points. This demonstrates the potential, if needed, for revenue enhancement through toll increases above those assumed for forecasting purposes.

Appendix D – Major Revenue Source

The schedule below shows CDM Smith’s annual toll revenue estimates for the NTTA System for the next five years. Annual toll revenue growth is expected to average 4% per year between FY2017 and FY2021.

Estimated NTTA System Annual Toll Revenue					
Roadway	FY2017	FY2018	FY2019	FY2020	FY2021
DNT	\$ 257,260,400	\$ 269,115,100	\$ 281,029,100	\$ 292,987,700	\$ 305,246,100
PGBT	222,529,000	229,521,100	239,032,300	250,251,300	264,804,900
AATT	1,332,800	1,385,000	1,421,900	1,460,900	1,518,000
MCLB	1,543,900	1,626,300	1,685,700	1,746,900	1,816,600
LLTB	6,598,700	7,056,400	7,498,400	7,969,200	8,453,600
PGBT EE	37,597,300	39,852,100	42,054,700	44,449,200	46,893,700
SRT	177,003,200	187,668,400	194,519,400	199,670,900	219,081,100
System Totals	\$ 703,865,300	\$ 736,224,400	\$ 767,241,500	\$ 798,536,100	\$ 847,814,000

REVENUE DISTRIBUTION

The Authority covenants that all gross revenues (all tolls, other revenue, and income) arising or derived by the Authority from the operation and ownership of the Tollway (excepting investment income from all funds and accounts other than the Revenue Fund) will be collected by the Authority and deposited daily, as far as practicable, with the Trustee for the credit of the Revenue Fund. Notwithstanding the foregoing, tolls collected on behalf of TxDOT pursuant to a project agreement that provides for revenue sharing with TxDOT are required to be collected by the Authority and to be held and transferred to or upon the order of TxDOT as set forth in such project agreement. The Trustee is required to disburse amounts which are required to be on deposit in the various funds and accounts described below from the Revenue Fund on the required dates.

Under the Trust Agreement, the tolls and other revenues of the NTTA System on deposit in the Revenue Fund are applied in the following manner with each deposit being made as specified below in the sequence noted:

- 1) *First*, on or before the first day of each month, funds are deposited to the Operation and Maintenance Fund in an amount sufficient to make the balance of the Operation and Maintenance Fund equal to one-sixth (1/6) of the amount of the total Current Expenses in the current Annual Budget, plus all prior accruals for insurance and other periodic or regularly scheduled recurring expenses.

Appendix D – Major Revenue Source

- 2) Second, on or before the last Business Day preceding each interest payment date or principal (or sinking fund redemption) payment date for the First Tier Bonds (including First Tier Payment Obligations) or such other day as set forth in a Supplemental Agreement, funds are deposited to the applicable account in the First Tier Sinking Fund (or to a fund or account created to pay or repay amounts owed under a Credit Agreement entered into in connection with a series of First Tier Bonds in lieu of either of the foregoing) in the amounts due on any First Tier Bond (including First Tier Payment Obligations).
- 3) Third, on or before the first day of each month, funds are deposited to the credit of the First Tier Reserve Account (1) in the amount, if any, required to restore any deficiency in the First Tier Reserve Account due to a withdrawal or change in value of Authorized Investments in order to make the amount on deposit in the First Tier Debt Reserve Account equal to the First Tier Reserve Requirement, which restoration is intended to occur within 12 months of the occurrence of any such deficiency in 12 substantially equal monthly installments, and (2) in the amount set forth in a Supplemental Agreement if an amount different from the First Tier Reserve Requirement is required.
- 4) Fourth, on or before the last Business Day preceding each interest payment date or principal (or sinking fund redemption) payment date for the Second Tier Bonds (including Second Tier Payment Obligations) or such other day as set forth in a Supplemental Agreement, funds are deposited to the applicable account in the Second Tier Sinking Fund (or to a fund or account created to pay or repay amounts owed under a Credit Agreement entered into in connection with a series of Second Tier Bonds in lieu of either of the foregoing) in the amounts due on any Second Tier Bond (including Second Tier Payment Obligations).
- 5) Fifth, on or before the first day of each month, funds are deposited to the credit of the Second Tier Reserve Account or subaccount therein, if one is provided for in a Supplemental Agreement, in the amounts set forth in the Supplemental Agreement establishing the Second Tier Reserve Requirement or authorizing Additional Second Tier Bonds.
- 6) Sixth, on or before the last Business Day preceding each interest payment date or principal (or sinking fund redemption) payment date for the Third Tier Bonds (including Third Tier Payment Obligations) or such other day as set forth in a Supplemental Agreement, funds are deposited to the applicable account in the Third Tier Sinking Fund (or to a fund or account created to pay or repay amounts owed under a Credit Agreement entered into in connection with a series of Third Tier Bonds in lieu of either of the foregoing) in the amounts due on any Third Tier Bond (including Third Tier Payment Obligations).
- 7) Seventh, on or before the first day of each month, funds are deposited to the credit of the Third Tier Reserve Account or subaccount therein, if one is provided for in a Supplemental Agreement, in the amounts set forth in the Supplemental Agreement establishing the Third Tier Reserve Requirement or authorizing Additional Third Tier Bonds.

Appendix D – Major Revenue Source

- 8) Eighth, on or before the first day of each month, funds are required to be deposited in the Reserve Maintenance Fund in an amount equal to one-twelfth of the amount necessary in such fiscal year to accumulate in the Reserve Maintenance Fund an amount equal to the greater of (1) \$5 million, and (2) the amount as may be required in the then current Annual Budget to be deposited to the credit of the Reserve Maintenance Fund during the then current fiscal year; provided, however, that if the amount so deposited to the credit of the Reserve Maintenance Fund in any fiscal year is less than the budgeted amount, the requirement therefore will nevertheless be cumulative and the amount of any deficiency in any fiscal year is required to be added to the amount otherwise required to be deposited in each fiscal year thereafter until such time as such deficiency has been made up, unless such budget requirement has been modified by the Authority.
- 9) Ninth, at the end of each fiscal year any remaining funds on deposit in the Revenue Fund may be transferred to the Capital Improvement Fund.

Appendix E - Outstanding Debt Service

FY Ending 12/31	A	B	C	D	E	F
	First Tier Net Debt Service	Second Tier Net Debt Service	Third Tier Net Debt Service	ISTEA Loan Debt Service	Subordinated Lien Bonds Debt Service	Total Net Debt Service
2016	313,133,559	56,564,500	-	8,000,000	24,067,580	401,765,639
2017	315,288,585	56,565,700	-	9,000,000	24,067,580	404,921,865
2018	363,321,626	56,563,900	-	10,500,000	24,067,580	454,453,106
2019	368,826,192	56,566,150	-	12,250,000	54,492,580	492,134,922
2020	385,043,209	56,564,650	-	15,322,396	54,491,017	511,421,272
2021	409,916,693	56,563,650	-	15,322,396	54,495,705	536,298,444
2022	409,782,370	56,567,150	-	15,322,396	54,475,185	536,147,101
2023	418,616,147	56,563,900	-	15,322,396	54,371,397	544,873,840
2024	428,949,478	56,563,150	-	15,322,396	54,264,748	555,099,772
2025	449,461,872	56,563,650	-	15,322,396	54,148,117	575,496,035
2026	449,588,689	56,564,150	-	15,322,396	54,024,368	575,499,603
2027	451,131,138	55,148,400	-	15,322,396	53,895,746	575,497,680
2028	460,921,308	45,490,900	-	15,322,396	53,763,930	575,498,534
2029	434,573,230	140,925,900	-	-	-	575,499,130
2030	380,387,200	195,109,588	-	-	-	575,496,788
2031	377,256,732	198,238,900	-	-	-	575,495,632
2032	417,364,656	158,133,650	-	-	-	575,498,306
2033	428,955,751	146,541,650	-	-	-	575,497,401
2034	487,130,269	88,366,650	-	-	-	575,496,919
2035	515,827,682	59,669,900	-	-	-	575,497,582
2036	534,161,805	41,333,200	-	-	-	575,495,005
2037	573,922,876	1,574,224	-	-	-	575,497,100
2038	437,187,732	-	-	-	-	437,187,732
2039	437,898,082	-	-	-	-	437,898,082
2040	437,909,257	-	-	-	-	437,909,257
2041	437,915,580	-	-	-	-	437,915,580
2042	437,924,230	-	-	-	-	437,924,230
2043	194,933,084	-	-	-	-	194,933,084
2044	194,540,028	-	-	-	-	194,540,028
2045	157,545,560	-	-	-	-	157,545,560
2046	157,690,333	-	-	-	-	157,690,333
2047	77,417,909	-	-	-	-	77,417,909
2048	-	-	-	-	-	-
2049	-	-	-	-	-	-
2050	-	-	-	-	-	-
2051	-	-	-	-	-	-
Total	12,344,522,862	1,752,743,512	-	177,651,564	614,625,533	14,889,543,471

Appendix F - Estimated Operating Expenditures by Account

Description	Estimated FY2017 - FY2021					
	FY2016 Budget	FY2017	FY2018	FY2019	FY2020	FY2021
Salaries and Wages-Direct - (511101)	\$35,968,799	37,452,067	38,201,108	38,965,131	39,744,433	40,539,322
Salaries and Wages-Comp Adj. - (511103)	1,137,601	0	0	0	0	0
Salaries and Wages-Internship - (511202)	95,439	179,568	183,160	186,823	190,559	194,371
Salaries and Wage-Overtime - (511301)	657,671	717,831	732,188	746,832	761,768	777,004
Group Insurance - (512101)	9,042,372	8,349,010	8,515,990	8,686,310	8,860,036	9,037,237
Retirement Contributions - (512401)	4,504,454	4,966,450	5,065,779	5,167,095	5,270,436	5,375,845
Retirement Contr.-Internship - (512402)	12,158	23,408	23,876	24,354	24,841	25,338
Retirement Contr.-Comp. Adj. - (512403)	143,090	0	0	0	0	0
Tuition Reimbursement - (512501)	25,894	27,913	28,471	29,041	29,621	30,214
Unemployment Insurance - (512601)	200,000	200,000	204,000	208,080	212,242	216,486
OPEB Annual Req'd Contribution - (512601)	1,920,000	1,920,000	1,958,400	1,997,568	2,037,519	2,078,270
Worker's Comp Ins - (512701)	350,524	331,395	338,023	344,783	351,679	358,713
Meeting Expense - (521101)	99,857	97,287	99,233	101,217	103,242	105,307
Consulting/Professional - (521201)	10,158,812	11,271,418	11,496,846	11,726,783	11,961,319	12,200,545
Legal Fees - (521202)	1,820,000	1,820,000	1,856,400	1,893,528	1,931,399	1,970,027
Auditing Fees - (521203)	102,281	127,930	130,489	133,098	135,760	138,476
Trustee Fees - (521204)	300,000	300,000	306,000	312,120	318,362	324,730
Traffic Engineering Fees - (521207)	620,000	648,200	661,164	674,387	687,875	701,633
Police Services (DPS) - (521208)	5,602,076	5,602,076	5,714,118	5,828,400	5,944,968	6,063,867
Armored Car Services - (521209)	19,503	26,883	27,421	27,969	28,528	29,099
Outside Maintenance Services - (521212)	11,555,053	12,115,703	12,358,017	12,605,177	12,857,281	13,114,427
Landscaping - (522202)	35,000	40,900	41,718	42,552	43,403	44,271
Rentals - Land - (522301)	36,042	37,664	38,417	39,186	39,969	40,769
Rentals - Equipment - (522302)	334,158	309,415	315,603	321,915	328,354	334,921
Insurance Expense - Other - (523101)	1,448,637	1,389,562	1,417,353	1,445,700	1,474,614	1,504,107
Postage - (523201)	9,361,629	9,710,477	9,904,687	10,102,780	10,304,836	10,510,933
Telecommunications - (523202)	838,078	927,703	946,257	965,182	984,486	1,004,176
Recruitment - (523301)	130,661	138,856	141,633	144,466	147,355	150,302
Magazine and Newspaper - (523302)	510,695	532,885	543,543	554,414	565,502	576,812
Television & Radio - (523303)	193,050	201,737	205,772	209,887	214,085	218,367
Promotional Expenses - (523304)	481,477	487,453	497,202	507,146	517,289	527,635
Employee Appreciation - (523305)	1,500	1,568	1,599	1,631	1,664	1,697
Printing and Photographic - (523401)	7,946	8,259	8,424	8,593	8,765	8,940
Maps & Pamphlets - (523402)	53,428	55,936	57,055	58,196	59,360	60,547
Travel - (523501)	236,886	264,981	270,281	275,686	281,200	286,824
Dues & Subscriptions - (523601)	259,393	262,985	268,245	273,610	279,082	284,663
Education and Training - (523701)	403,608	406,374	414,501	422,792	431,247	439,872
Licenses - (523801)	35,943	32,699	33,353	34,020	34,700	35,394
Temporary Contract Labor - (523851)	5,903,913	11,917,843	12,156,200	12,399,324	12,647,310	12,900,257
Liability Claims - (523902)	11,000	5,730	5,845	5,961	6,081	6,202
Office Supplies - (531101)	537,967	528,919	539,497	550,287	561,293	572,519
Other Materials and Supplies - (531102)	2,510,507	3,063,969	3,125,248	3,187,753	3,251,508	3,316,539
Mobile Equipment Expense - (531103)	1,086,466	1,085,400	1,107,108	1,129,250	1,151,835	1,174,872
Freight and Express - (531105)	6,121	5,954	6,073	6,195	6,318	6,445
Motor Fuel Expense - (531107)	1,175,507	1,162,505	1,185,755	1,209,470	1,233,660	1,258,333
Water - (531211)	593,000	600,000	612,000	624,240	636,725	649,459
Gas - (531221)	70,600	70,600	72,012	73,452	74,921	76,420
Electricity - (531231)	2,100,000	2,200,000	2,244,000	2,288,880	2,334,658	2,381,351
Books & Periodicals - (531401)	3,378	1,430	1,459	1,488	1,518	1,548
Inven for resale(toll tags) - (531501)	8,921,481	9,400,237	9,588,242	9,780,007	9,975,607	10,175,119
Small Tools and Shop Supplies - (531601)	216,634	160,509	163,719	166,994	170,333	173,740
Software (Under \$5,000) - (531651)	4,992,470	5,481,608	5,591,240	5,703,065	5,817,126	5,933,469
Uniforms - (531701)	272,387	268,553	273,924	279,403	284,991	290,690
Bank Charges - (573001)	838,686	902,968	921,027	939,448	958,237	977,402
Credit Card Fees - (573002)	14,696,169	17,257,181	17,602,325	17,954,371	18,313,460	18,679,728
Totals	142,640,000	155,100,000	158,202,000	161,366,040	164,593,361	167,885,228