

NTTA SYSTEM
FY2023 - FY2027

FIVE-YEAR CAPITAL PLAN

NTTA[®]

NORTH TEXAS TOLLWAY AUTHORITY



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READERS' ROADMAP

This Readers' Roadmap is a guide to help navigate through the North Texas Tollway Authority's FY2023 - FY2027 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 FY2023 - FY2027 Five-Year Capital Plan is divided into five sections; footnotes and page references are used to direct the reader to other sections of the document for additional detail and explanation.

CAPITAL PLAN OVERVIEW

This section contains a map of NTTA roadways, an introduction and background for the Capital Plan, documents that 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:

1. **Reserve Maintenance**
2. **Capital Improvement**

Each category section has the following documents:

1. **Project Description and Summary** – Major project description and summary include a map outlining the project area.
2. **Project Listing** – List of all projects showing the responsible department, project number and name, current year estimated costs and the budgeted amounts for the next five years.
3. **Project Detail Form** – The form shows the department that will manage the project, the project type, project partners, total project and prior years cost, a brief description and justification for the project, the budgeted amounts and operating budget impact. Projects that are budgeted on an annual basis are identified on the Total Project Cost area as Annual Budget.

APPENDICES

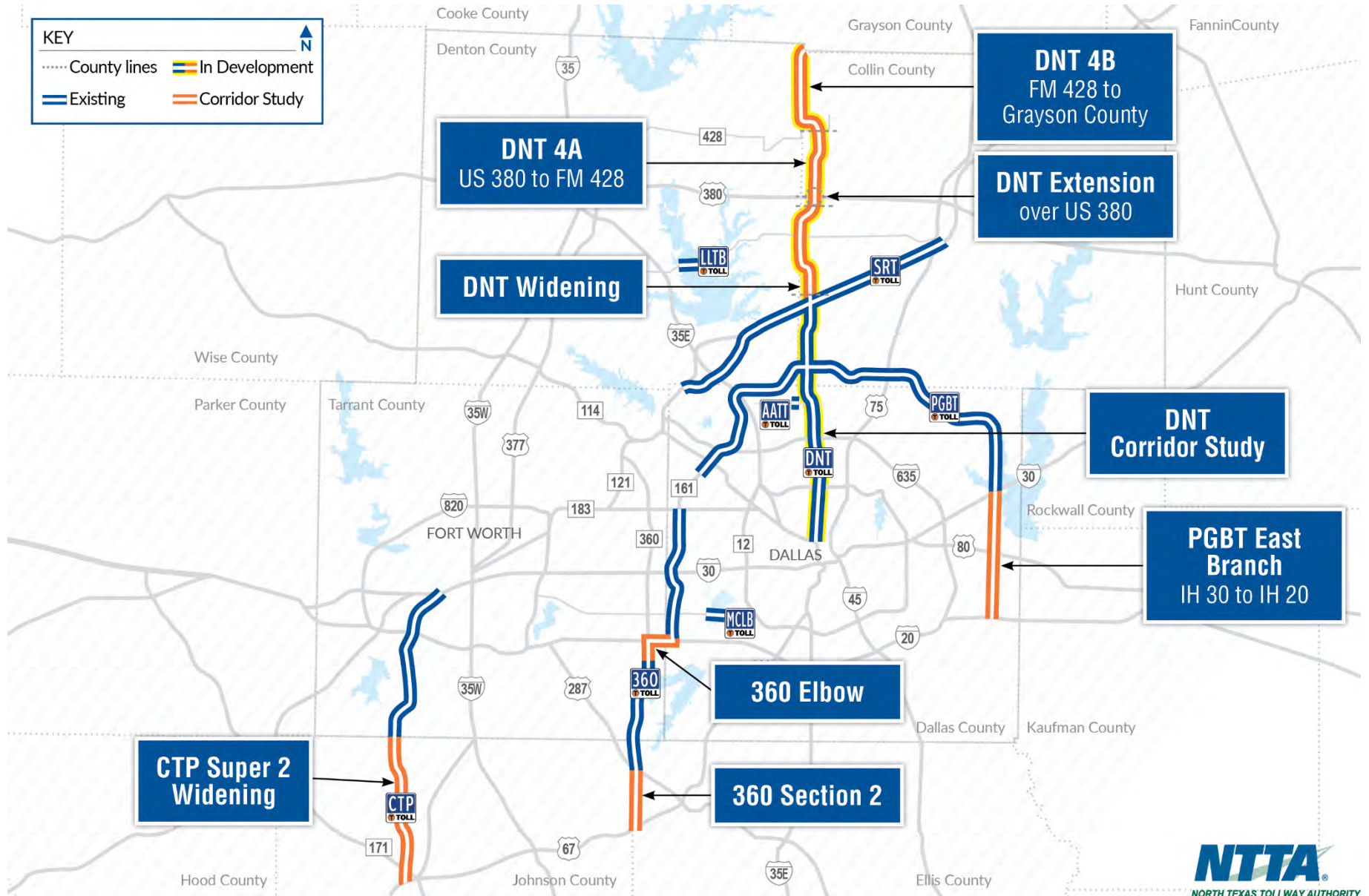
The last section contains an index that references each project name and associated page number. Also included is the Capital Plan process and documents describing the Capital Plan calendar, the major revenue sources, outstanding debt service and estimated operating expenditures.

CAPITAL PLAN OVERVIEW



A two-lane frontage road from FM 428 to the Grayson County line is currently under construction and expected to open to traffic in late 2022

Facility Map of the North Texas Region



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 System (System) facilities are the Dallas North Tollway (DNT), President George Bush Turnpike (PGBT), Sam Rayburn Tollway (SRT), Addison Airport Toll Tunnel (AATT), Lewisville Lake Toll Bridge (LLTB), Mountain Creek Lake Bridge (MCLB), 360 Tollway (360T) and Chisholm Trail Parkway (CTP).

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 system net debt service. 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 \$6.1 billion. Approximately \$5.9 billion or 95.3% of total revenue is based on projections provided by the traffic and revenue engineers (see Major Revenue Source, pages 136-139). Approximately \$0.3 billion or 4.7% of total revenue is estimated by the Authority and includes ZipCash late fees and estimated interest earnings on projected cash balances. Total revenue growth is projected to average 6.1% per year from FY2023 through FY2027. 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 (Trust Agreement). (See Revenue Distribution, pages 137-139).

Introduction and Overview (continued)

	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	Five-Year Totals FY2023 - FY2027
REVENUE FUND							
Estimated Beginning Available Cash Balance	-	-	-	-	-	-	-
INFLOWS							
Estimated Toll Revenues	\$ 954,195,800	\$ 1,045,777,500	\$ 1,119,640,500	\$ 1,174,123,100	\$ 1,232,540,600	\$ 1,285,949,300	\$ 5,858,031,000
Estimated Other Revenues	47,843,150	58,612,225	58,062,400	58,019,650	58,702,475	58,571,675	291,968,425
TOTAL INFLOWS	1,002,038,950	1,104,389,725	1,177,702,900	1,232,142,750	1,291,243,075	1,344,520,975	6,149,999,425
Estimated Ending Available Cash Balance	-	-	-	-	-	-	-
Total Revenues Available for Operations	\$ 1,002,038,950	\$ 1,104,389,725	\$ 1,177,702,900	\$ 1,232,142,750	\$ 1,291,243,075	\$ 1,344,520,975	\$ 6,149,999,425

B. Operation and Maintenance (O&M)

O&M expenses for the next five years are estimated at \$1.2 billion. These funds are required to run the day-to-day operations of the Authority.

According to the Trust Agreement, revenues must be transferred to the O&M Fund to cover expenses and maintain a reserve balance (see Revenue Distribution, page 137, and Cash Balances, page 132). A projected \$1.2 billion for O&M expense and reserve will be transferred from the Revenue Fund to the O&M Fund.

The estimated operating expenses for FY2023 are prepared by the individual departments and are expected to increase an average of 3.0% per year between FY2023 and FY2027. (See Appendix F page 141)

Introduction and Overview (continued)

	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	Five-Year Totals FY2023 - FY2027
Total Revenues Available for Operations	\$ 1,002,038,950	\$ 1,104,389,725	\$ 1,177,702,900	\$ 1,232,142,750	\$ 1,291,243,075	\$ 1,344,520,975	\$ 6,149,999,425
OPERATION AND MAINTENANCE FUND							
Estimated Beginning Available Cash Balance	55,788,685	32,333,497	36,644,116	37,743,439	38,875,743	40,042,015	32,333,497
INFLOWS							
Transfer from Revenue Fund	170,545,797	224,175,315	227,559,960	234,386,759	241,418,362	248,660,913	1,176,201,308
Inter-Fund Transfers		-	-	-	-	-	-
TOTAL INFLOWS	170,545,797	224,175,315	227,559,960	234,386,759	241,418,362	248,660,913	1,176,201,308
OUTFLOWS							
Estimated Operating Expenses	(194,000,984)	(219,864,696)	(226,460,637)	(233,254,456)	(240,252,090)	(247,459,652)	(1,167,291,530)
TOTAL OUTFLOWS	(194,000,984)	(219,864,696)	(226,460,637)	(233,254,456)	(240,252,090)	(247,459,652)	(1,167,291,530)
Estimated Ending Available Cash Balance	32,333,497	36,644,116	37,743,439	38,875,743	40,042,015	41,243,275	41,243,275
Net Revenues Available for Debt Service	\$ 831,493,153	\$ 880,214,410	\$ 950,142,940	\$ 997,755,991	\$ 1,049,824,713	\$ 1,095,860,062	\$ 4,973,798,117

C. Debt Service Fund

In order to fund NTTA System expansions and capital improvements, NTTA has previously issued 1st and 2nd Tier debt. NTTA maintains Debt Service Funds to pay these debt obligations. Over the next five years, principal and interest requirements total \$3.4 billion. Payments for 1st and 2nd tier debt total \$3.4 billion which is funded from the Revenue Fund (see Revenue Distribution, page 137). Additionally, the System assisted with the financing of the construction of the CTP through subordinated debt and the construction of the PGBT through an ISTEAL loan. The subordinated debt payments total \$43.2 million for the next five years. While the subordinated debt and ISTEAL loan represent a portion of the NTTA System's indebtedness, they are not funded directly from the Net Revenues Available for Debt Service Fund but instead from the Capital Improvement Fund

The Trust Agreement requires a 1st tier debt service coverage (net revenues divided by net debt service) of 1.35 times. The Board of Directors established a more aggressive target of 1.50 times. The debt service coverage ranges from a low of 2.07 in FY2023 to a high of 2.25 in FY2027. (See page 11)

Introduction and Overview (continued)

	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	Five-Year Totals FY2023 - FY2027
Net Revenues Available for Debt Service	\$ 831,493,153	\$ 880,214,410	\$ 950,142,940	\$ 997,755,991	\$ 1,049,824,713	\$ 1,095,860,062	\$ 4,973,798,117
DEBT SERVICE FUNDS							
Estimated Beginning Available Cash Balance	-	-	-	-	-	-	-
INFLOWS							
Transfer from Capital Improvement Fund	23,955,023	8,631,332	8,636,443	8,641,552	8,640,533	8,642,541	43,192,401
Transfer from Revenue Fund	593,603,067	638,518,917	681,701,585	681,704,999	681,698,798	681,701,016	3,365,325,315
TOTAL INFLOWS	617,558,090	647,150,249	690,338,028	690,346,551	690,339,331	690,343,556	3,408,517,716
OUTFLOWS							
1st Tier Debt Service	(391,275,405)	(426,250,905)	(447,551,323)	(478,351,737)	(484,103,285)	(487,428,003)	(2,323,685,252)
2nd Tier Debt Service	(202,327,663)	(212,268,013)	(234,150,263)	(203,353,263)	(197,595,513)	(194,273,013)	(1,041,640,063)
3rd Tier Debt Service	-	-	-	-	-	-	-
Total Debt Service	(593,603,067)	(638,518,917)	(681,701,585)	(681,704,999)	(681,698,798)	(681,701,016)	(3,365,325,315)
Capital Improvement Fund - Subordinate Debt	(8,632,627)	(8,631,332)	(8,636,443)	(8,641,552)	(8,640,533)	(8,642,541)	(43,192,401)
Capital Improvement Fund - Commercial Paper	-	-	-	-	-	-	-
Capital Improvement Fund - Revolving Note	-	-	-	-	-	-	-
Capital Improvement Fund - ISTEAL Loan	(15,322,396)	-	-	-	-	-	-
TOTAL OUTFLOWS	(617,558,090)	(647,150,249)	(690,338,028)	(690,346,551)	(690,339,331)	(690,343,556)	(3,408,517,716)
Estimated Ending Available Cash Balance	-	-	-	-	-	-	-
Net Revenues Available for Major Maintenance Projects	\$ 237,890,086	\$ 241,695,493	\$ 268,441,355	\$ 316,050,992	\$ 368,125,915	\$ 414,159,047	\$ 1,608,472,802
First Tier Debt Service Coverage	2.13	2.07	2.12	2.09	2.17	2.25	2.14
First & Second Tier Debt Service Coverage	1.40	1.38	1.39	1.46	1.54	1.61	1.48
All Debt Service Coverage	1.35	1.36	1.38	1.45	1.52	1.59	1.46
CIF Subordinated Debt Coverage	1.32	1.25	1.24	1.31	1.39	1.46	1.43

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 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).

Introduction and Overview (continued)

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 FY2023 through FY2027 is \$348.7 million, an average of \$69.7 million per year. This estimate is composed of \$348.7 million of project costs (see Reserve Maintenance Projects, pages 23-44).

The Reserve Maintenance Fund is funded from the Revenue Fund. Similar to the O&M Fund, the Trust Agreement requires a transfer be made to cover maintenance expenditures and maintain a required fund balance of \$5.0 million (see Revenue Distribution, page 137, and Cash Balances, page 132).

	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	Five-Year Totals FY2023 - FY2027
Net Revenues Available for Reserve Maintenance Projects	\$ 237,890,086	\$ 241,695,493	\$ 268,441,355	\$ 316,050,992	\$ 368,125,915	\$ 414,159,047	\$ 1,608,472,802
RESERVE MAINTENANCE FUND							
Estimated Beginning Available Cash Balance	31,159,351	22,636,384	-	-	-	-	22,636,384
INFLOWS							
Transfer from Revenue Fund	29,500,995	54,908,117	76,728,895	73,347,642	62,367,719	58,700,225	326,052,598
TOTAL INFLOWS	29,500,995	54,908,117	76,728,895	73,347,642	62,367,719	58,700,225	326,052,598
OUTFLOWS							
RMF Project Expenses	(38,023,962)	(77,544,501)	(76,728,895)	(73,347,642)	(62,367,719)	(58,700,225)	(348,688,982)
TOTAL OUTFLOWS	(38,023,962)	(77,544,501)	(76,728,895)	(73,347,642)	(62,367,719)	(58,700,225)	(348,688,982)
Estimated Ending Available Cash Balance	22,636,384	-	-	-	-	-	-
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	\$ 208,389,091	\$ 186,787,376	\$ 191,712,460	\$ 242,703,350	\$ 305,758,196	\$ 355,458,822	\$ 1,282,420,204

Introduction and Overview (continued)

E. Capital Improvement Fund

The Capital Improvement Fund (CIF) accounts for the Authority's long-term expansions, improvements, reconstructions and replacements to the NTTA System. Over the next five years, capital improvement projects total \$1.4 billion (see Capital Improvement Projects, pages 47-127). The projects listed for FY2023 to FY2027 have been approved by executive management through the capital plan process (see Capital Plan process, pages 132-134). Funds for the CIF flow from the Revenue Fund to the extent there are excess revenues (see Revenue Distribution, page 135). The estimated contribution to CIF over the next five years is \$1.3 billion. The FY2023 – FY2027 Capital Plan contains \$43.2 million for subordinated debt. The Authority's executive management anticipates establishing a \$125.0 million Rainy Day Fund by 2027. (see Cash Balance, pages 14 and 132).

Introduction and Overview (continued)

	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	Five-Year Totals FY2023 - FY2027
Net Revenues Available for Capital Improvement Projects	\$ 208,389,091	\$ 186,787,376	\$ 191,712,460	\$ 242,703,350	\$ 305,758,196	\$ 355,458,822	\$ 1,282,420,204
CAPITAL IMPROVEMENT FUND							
Estimated Beginning CIF Cash Balance Available for Projects	614,989,893	683,234,055	689,515,415	600,894,816	519,398,081	477,254,000	683,234,055
INFLOWS							
Transfer from Revenue Fund	208,389,091	186,787,376	191,712,460	242,703,350	305,758,196	355,458,822	1,282,420,204
Commercial Paper/Revolving Note Issuance	-	-	-	-	-	-	-
Reimbursement from Prosper - US 380	-	8,000,000	-	-	-	-	8,000,000
Denton County ILA - DNT Phase 4B	9,442,395	-	-	-	-	-	-
DNT Expansion ILA - SRT to US 380 (Frisco)	-	-	1,000,000	8,500,000	-	-	9,500,000
Reimbursement from NETRMA	-	500,000	-	-	-	-	500,000
Reimbursement from TxDOT - SH 360	-	-	-	-	-	-	-
Transfer from Rainy Day Fund	-	-	-	-	-	-	-
NET INFLOWS AVAILABLE FOR CIF EXPENSES	217,831,486	195,287,376	192,712,460	251,203,350	305,758,196	355,458,822	1,300,420,204
OUTFLOWS							
Commercial Paper/Revolving Note Payment	-	-	-	-	-	-	-
CIF Project Expenses	(94,540,871)	(167,874,685)	(272,696,616)	(304,058,532)	(339,261,744)	(355,063,560)	(1,438,955,137)
Transfer to Debt Service Funds	-	-	-	-	-	-	-
Transfer to NTTA System Construction Funds	-	-	-	-	-	-	-
Transfer to CIF Bond Payment Account	(27,224,057)	(8,631,332)	(8,636,443)	(8,641,552)	(8,640,533)	(8,642,541)	(43,192,401)
Transfer to Debt Service Fund for ISTEPA Payment	(15,322,396)	-	-	-	-	-	-
Transfer to CIF Rainy Day Fund Account	(12,500,000)	(12,500,000)	-	(20,000,000)	-	(5,000,000)	(37,500,000)
TOTAL OUTFLOWS	(149,587,324)	(189,006,017)	(281,333,059)	(332,700,084)	(347,902,277)	(368,706,101)	(1,519,647,538)
Estimated Ending CIF Cash Balance Available for Projects	683,234,055	689,515,415	600,894,816	519,398,081	477,254,000	464,006,721	464,006,721
CIF Bond Payment Account							
Estimated Beginning CIF Bond Payment Account Cash Balance	8,632,627	11,901,661	11,901,661	11,901,661	11,901,661	11,901,661	11,901,661
Transfers from CIF Cash Account	27,224,057	8,631,332	8,636,443	8,641,552	8,640,533	8,642,541	43,192,401
Transfer to Debt Service Fund for CIF Subordinated Debt Payment	(23,955,023)	(8,631,332)	(8,636,443)	(8,641,552)	(8,640,533)	(8,642,541)	(43,192,401)
Estimated Ending CIF Bond Payment Account Cash Balance	11,901,661	11,901,661	11,901,661	11,901,661	11,901,661	11,901,661	11,901,661
CIF Rainy Day Fund Account							
Estimated Beginning CIF Rainy Day Fund Account Cash Balance	75,000,000	87,500,000	100,000,000	100,000,000	120,000,000	120,000,000	87,500,000
Transfers from CIF Cash Account	12,500,000	12,500,000	-	20,000,000	-	5,000,000	37,500,000
Transfers to CIF Cash Account	-	-	-	-	-	-	-
Estimated Ending CIF Rainy Day Fund Account Cash Balance	87,500,000	100,000,000	100,000,000	120,000,000	120,000,000	125,000,000	125,000,000
Estimated Ending Total CIF Cash Balances	\$ 782,635,716	\$ 801,417,076	\$ 712,796,477	\$ 651,299,742	\$ 609,155,661	\$ 600,908,382	\$ 600,908,382

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. These are projects required to maintain the system assets at an agency approved level; emergency repairs to maintain safety or prevent loss of revenue; and, for replacement or additional fleet and equipment. Additional projects include the replacement or purchase of additional computer equipment (including software) and replacement of All-Electronic and communication equipment. Funding for these projects comes from the remaining revenues available after Operation and Maintenance (O&M) costs and debt service obligations have been satisfied.

CAPITAL IMPROVEMENT PROJECTS

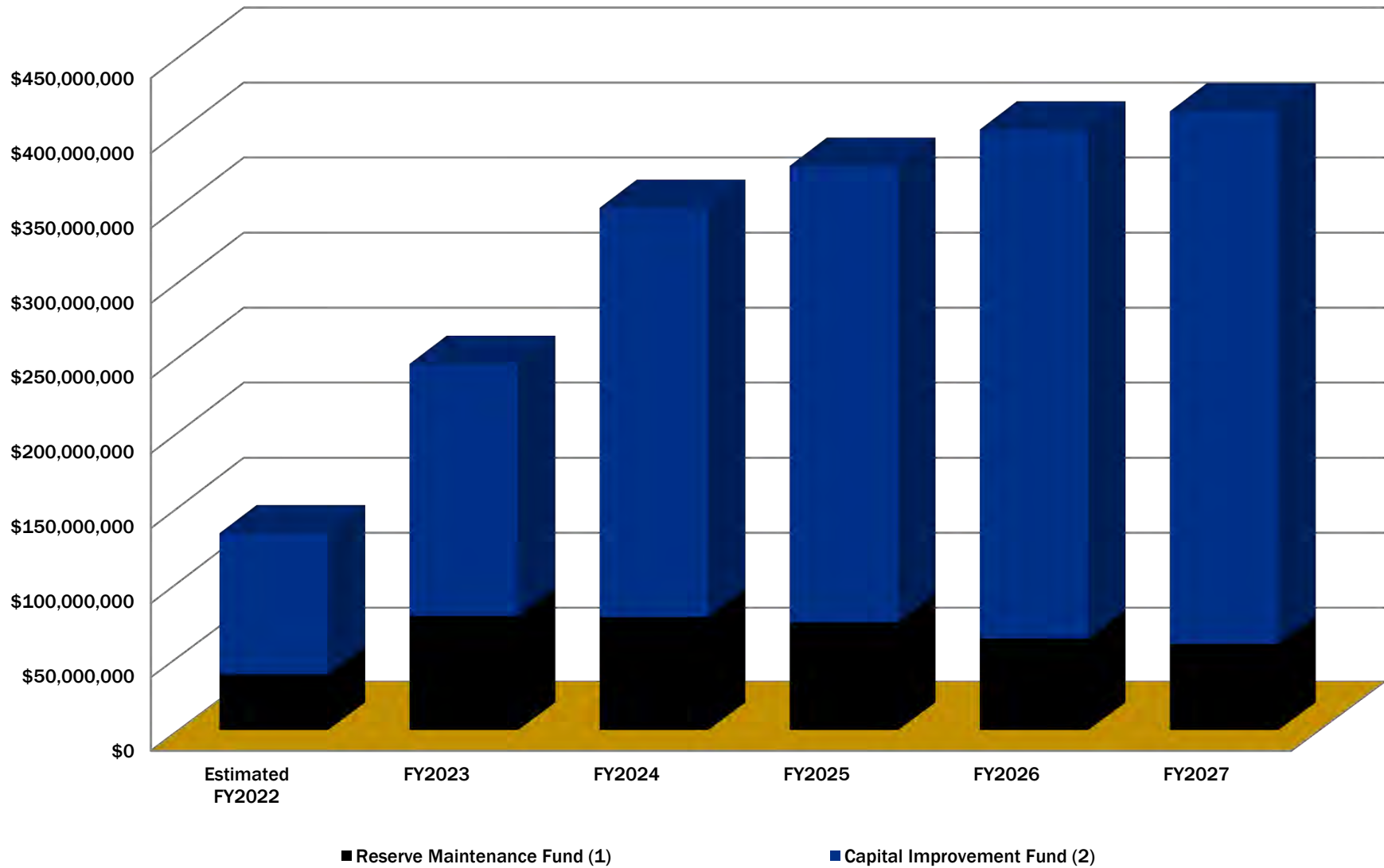
Projects included in this category are large, nonrecurring items that increase toll revenue; improve safety, increase capacity or efficiency of the system. These projects are new roadway construction, existing roadway expansions, improvements and/or reconstruction and major emergency repairs. In addition, projects with capital expenses unrelated to new road construction and/or maintenance are included here such as purchasing and implementing new systems, software and enhancements of existing system. 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.

**FY2023 - FY2027 CAPITAL PLAN
SUMMARY PROJECT COSTS BY FUND**

Project Type	Estimated FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	Five Year Total FY2023 - FY2027
Reserve Maintenance Fund (1)	\$38,023,962	\$77,544,501	\$76,728,895	\$73,347,642	\$62,367,719	\$58,700,225	\$348,688,982
Capital Improvement Fund (2)	94,540,871	167,874,685	272,696,616	304,058,532	339,261,744	355,063,560	1,438,955,137
Totals	\$132,564,833	\$245,419,186	\$349,425,511	\$377,406,174	\$401,629,463	\$413,763,785	\$1,787,644,119

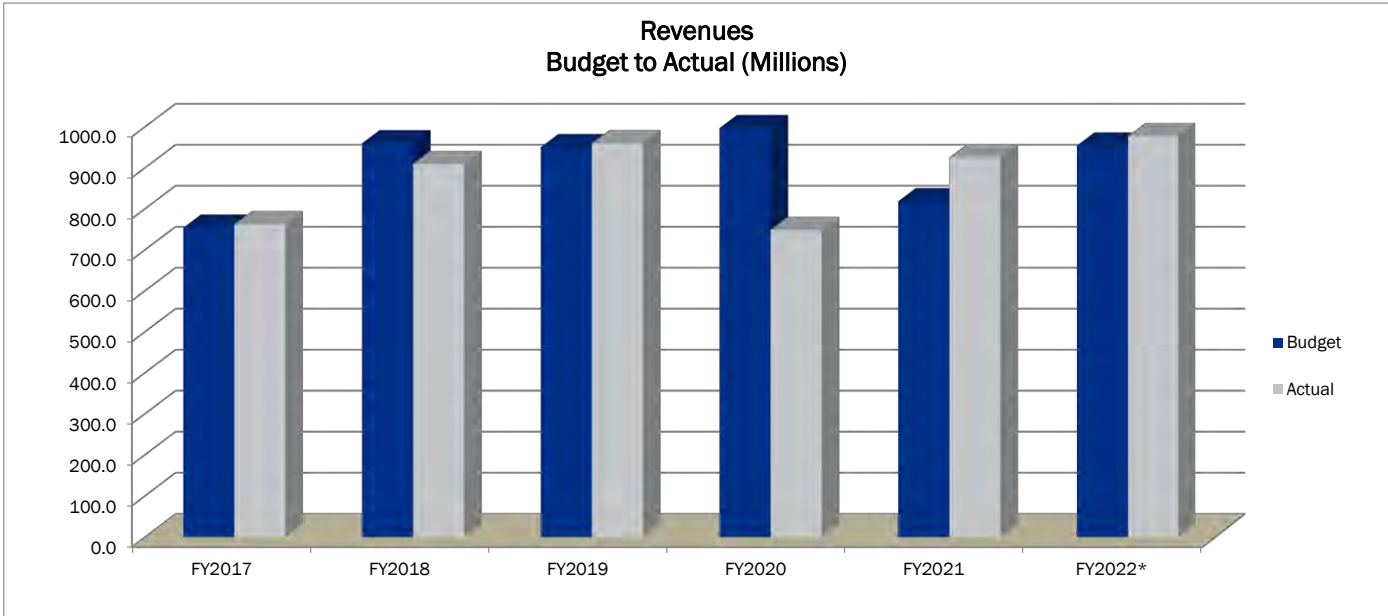
Report contains only project costs.
 (1) List of projects see page 24-25.
 (2) List of projects see pages 53-56.

Capital Plan Costs by Fund



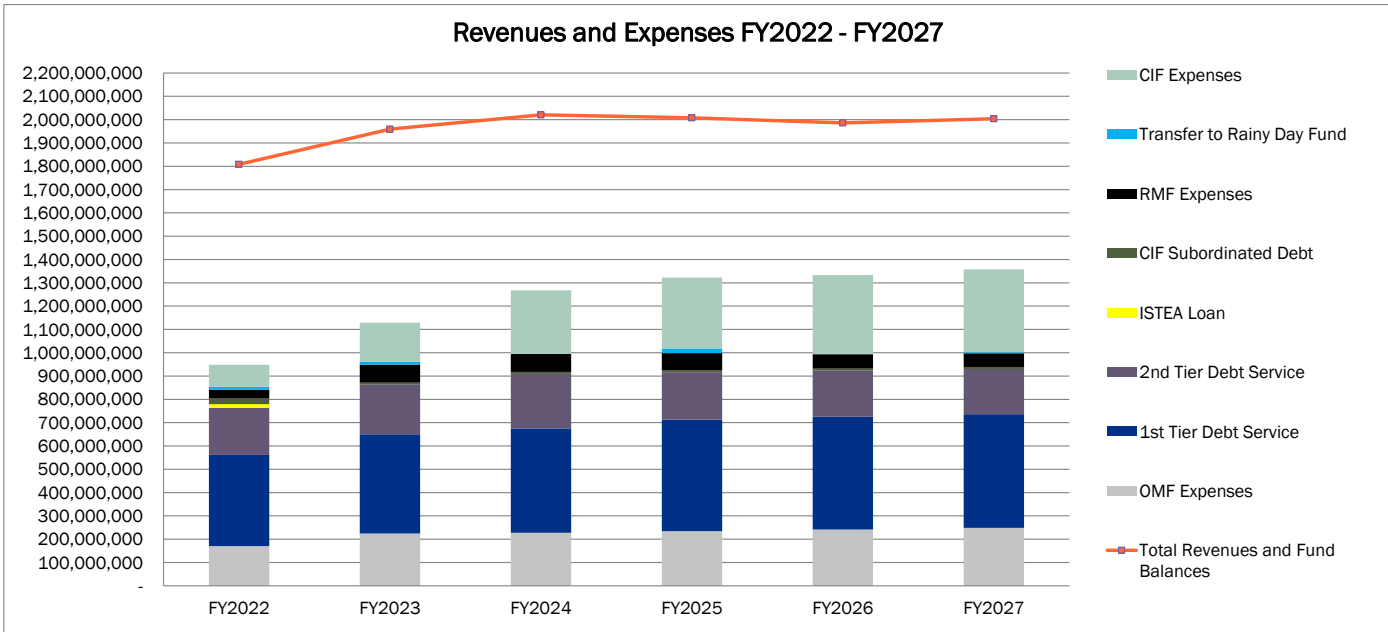
Informational Graphs

**Revenues
Budget to Actual (Millions)**

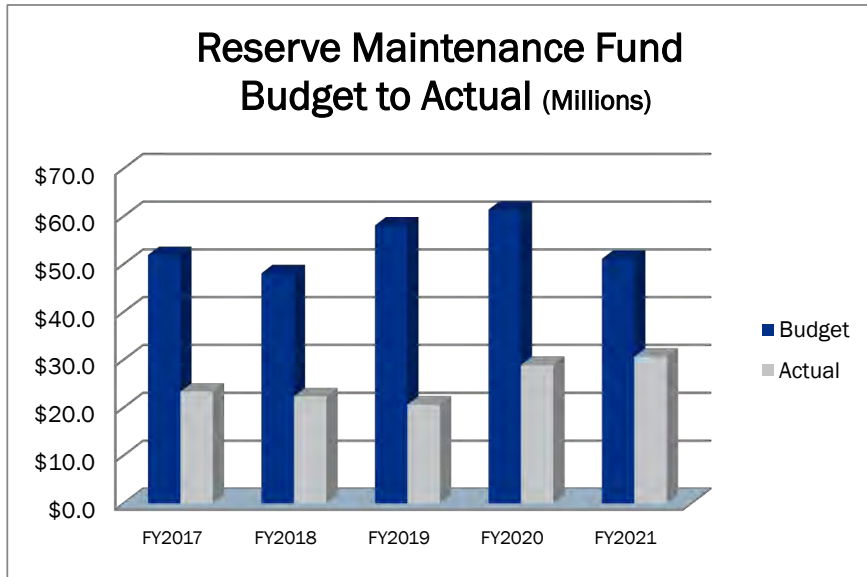


*Actual amount for FY2022 is based on estimates provided by CDM Smith, Inc.

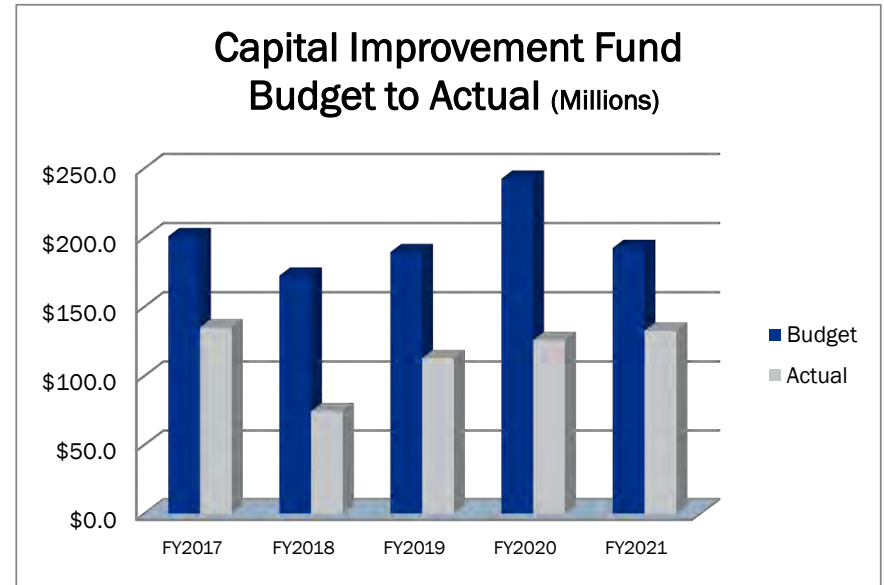
Revenues and Expenses FY2022 - FY2027



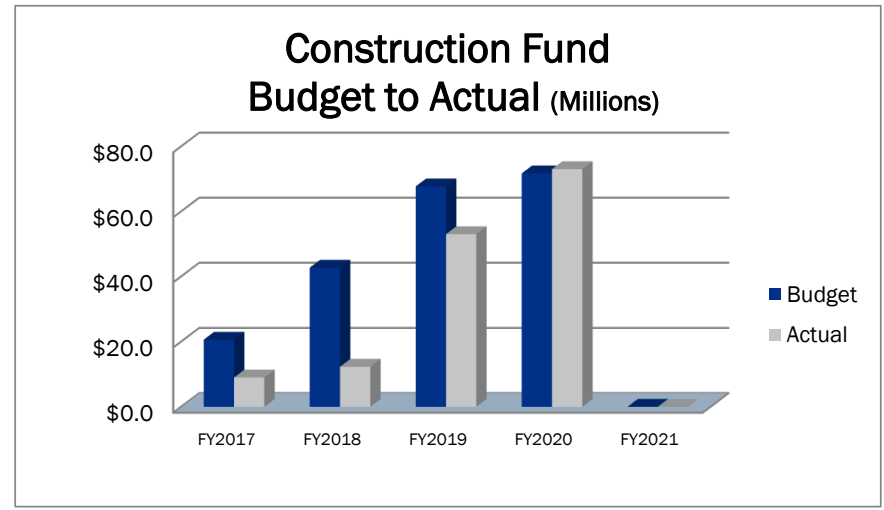
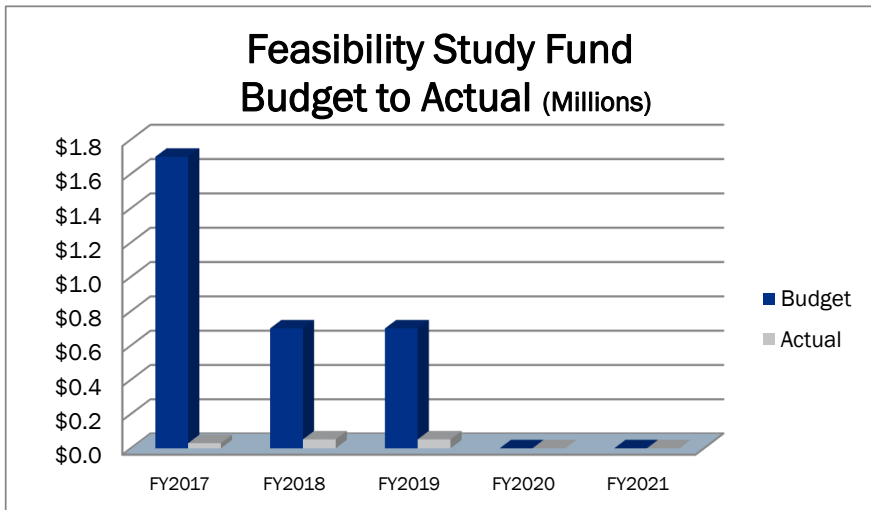
Historical Informational Graphs



RMF Projects re-evaluated and prioritized throughout the year

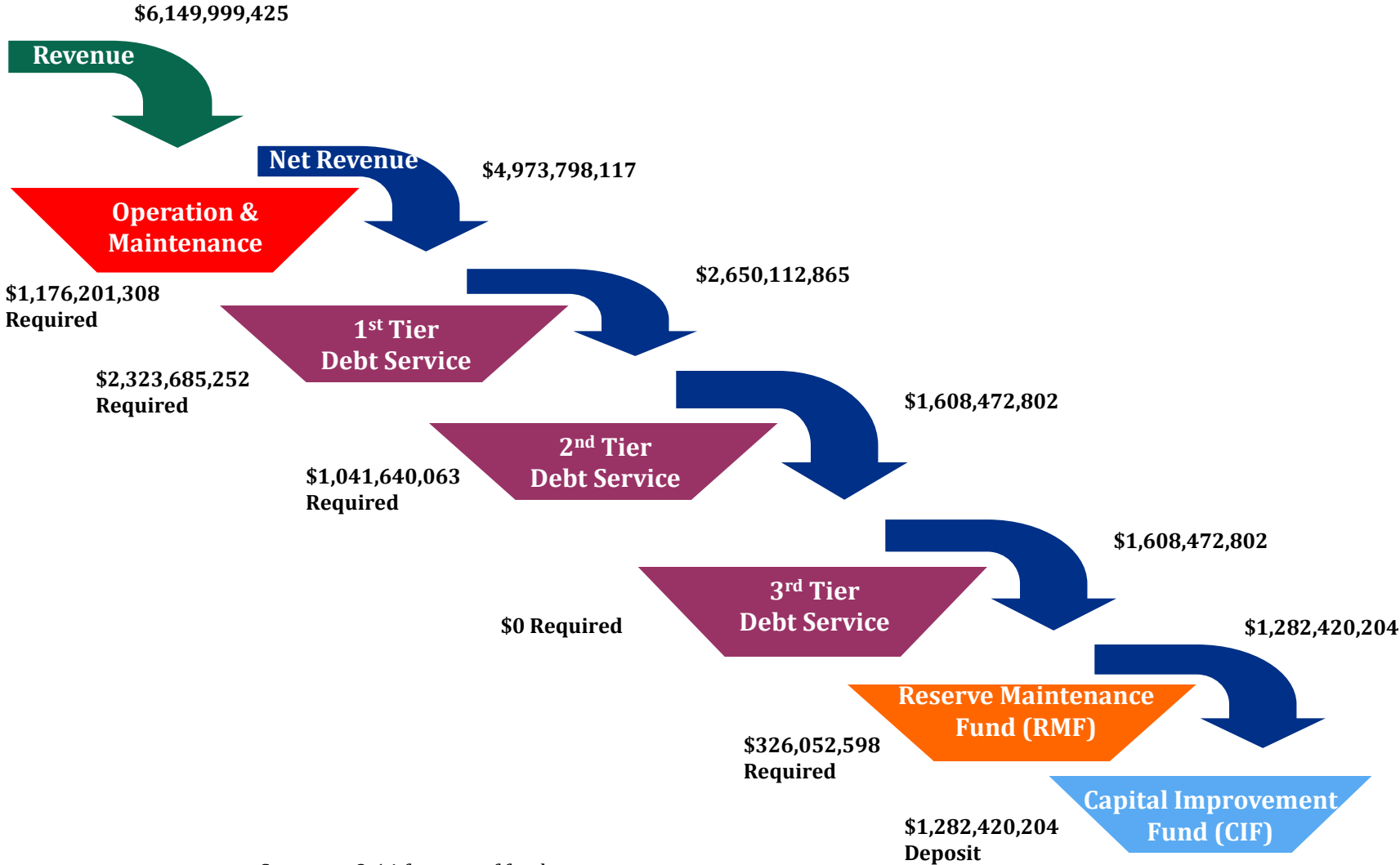


CIF Projects re-evaluated and prioritized throughout the year



All construction projects coming to completion

NTTA System Flow of Funds FY2023 - FY2027



See pages 8-14 for uses of funds.

RESERVE MAINTENANCE PROJECTS



NTTA[®]

Crews on the Sam Rayburn Tollway perform concrete finishing work on a new bridge deck

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 \$18.8 million for this category over the next five years.

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 \$243.9 million for this category over the next five years.

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 used primarily for ongoing operations and maintenance. The Capital Plan includes \$18.9 million for this category over the next five years.

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 \$63.9 million for this category.



Reserve Maintenance Fund - (1201) - Project List FY2023 - FY2027 CAPITAL PLAN

Department	Project	Estimated FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	Five Year Total FY2023 - FY2027
Procurement - (10521)	0000000 - No Project (Ads) (1)	\$19,000	\$19,000	\$19,000	\$19,000	\$19,000	\$19,000	\$95,000
	Procurement - (10521) Total	19,000	19,000	19,000	19,000	19,000	19,000	95,000
Internal Audit - (10811)	0000000 - No Project (Audit Fees) (2)	11,630	11,630	11,630	11,630	11,630	11,630	58,150
	Internal Audit - (10811) Total	11,630	11,630	11,630	11,630	11,630	11,630	58,150
Legal - (10911)	0000000 - No Project (Legal Fees) (3)	40,000	40,000	40,000	40,000	40,000	40,000	200,000
	Legal - (10911) Total	40,000	40,000	40,000	40,000	40,000	40,000	200,000
Information Technology - (20111)	1000431 - IT Roadway Systems (4)	6,000,000	6,000,000	3,000,000	3,000,000	3,000,000	3,000,000	18,000,000
Information Technology - (20111)	1000825 - Server Hardware Upgrades and Replacements (5)	8,970,000	8,970,000	8,970,000	8,970,000	8,970,000	8,970,000	44,850,000
Information Technology - (20111)	1000826 - Computer Hardware Upgrades and Replacements (6)	1,676,500	1,676,500	1,676,500	1,676,500	1,676,500	1,676,500	8,382,500
Information Technology - (20111)	1000827 - Printer Hardware Upgrades and Replacements (7)	150,000	200,000	200,000	200,000	200,000	200,000	1,000,000
Information Technology - (20111)	1000828 - Network Equip. & Comm. Systems Replacement (8)	1,888,500	1,888,500	1,888,500	1,500,000	1,500,000	1,500,000	8,277,000
Information Technology - (20111)	1000829 - Software and Licensing (9)	298,000	298,000	298,000	298,000	298,000	298,000	1,490,000
	Information Technology - (20111) Total	18,983,000	19,033,000	16,033,000	15,644,500	15,644,500	15,644,500	81,999,500
Admin Infrastructure - (20221)	1000009 - Landscaping (10)	550,000	550,000	550,000	550,000	600,000	600,000	2,850,000
Admin Infrastructure - (20221)	1000026 - RMF - Fleet (11)	3,595,000	3,603,500	3,810,000	3,749,800	4,014,500	3,726,000	18,903,800
Admin Infrastructure - (20221)	1000030 - Facility Improvements (12)	3,225,000	3,085,000	4,780,000	3,745,000	4,280,000	2,115,000	18,005,000
	Admin Infrastructure - (20221) Total	7,370,000	7,238,500	9,140,000	8,044,800	8,894,500	6,441,000	39,758,800
Roadway - (20231)	1000841-360T Comprehensive Maintenance Agreement	0	675,455	706,202	731,445	753,385	2,742,850	5,609,337
	Roadway - (20231) Total	0	675,455	706,202	731,445	753,385	2,742,850	5,609,337
Project Delivery - (20511)	1000011 - Restriping (13)	7,637,835	5,921,381	5,047,315	6,461,933	11,094,052	8,109,000	36,633,681
Project Delivery - (20511)	1000013 - Erosion Mitigation & Drainage Repairs (14)	9,301,000	11,793,322	4,950,000	1,700,000	1,485,000	3,125,000	23,053,322
Project Delivery - (20511)	1000018 - Pavement Repair and Rehab. (15)	4,906,100	6,400,198	21,563,200	23,455,310	9,490,490	4,257,050	65,166,248
Project Delivery - (20511)	1000020 - Signage (16)	3,289,700	4,215,000	5,046,700	1,589,100	1,004,350	2,629,850	14,485,000
Project Delivery - (20511)	1000028 - Systemwide Bridge Repair (17)	2,721,400	6,275,000	5,225,000	3,350,000	3,400,000	2,175,000	20,425,000
Project Delivery - (20511)	1000031 - Inspection Services (18)	1,933,426	3,478,262	3,643,320	3,824,719	4,009,846	3,886,591	18,842,738
Project Delivery - (20511)	1000042 - General Engineering (19)	3,205,179	3,198,599	3,333,528	3,475,205	3,623,966	3,782,954	17,414,252
Project Delivery - (20511)	1000040 - Wall, Railings & Steel Elements Repair (20)	2,840,000	5,860,077	1,170,000	4,275,000	2,282,000	5,235,800	18,822,877
Project Delivery - (20511)	1000041 - Lighting Replacement or Repair (21)	940,000	3,135,077	200,000	125,000	15,000	0	3,475,077
	Project Delivery - (20511) Total	36,774,640	50,276,916	50,179,063	48,256,267	36,404,704	33,201,245	218,318,195
Traffic & Incndnt Mngmt - (20611)	0000000 - No Project (Roadway Safety Service Tools) (22)	75,000	75,000	100,000	100,000	100,000	100,000	475,000
	Traffic & Incndnt Mngmt - (20611) Total	75,000	75,000	100,000	100,000	100,000	100,000	475,000
Traffic & Incndnt Mngmt - (20611)	0000000 - No Project (Traffic Engineering Fees) (23)	100,000	175,000	500,000	500,000	500,000	500,000	2,175,000
	Traffic & Incndnt Mngmt - (20611) Total	100,000	175,000	500,000	500,000	500,000	500,000	2,175,000
Totals		\$63,373,270	\$77,544,501	\$76,728,895	\$73,347,642	\$62,367,719	\$58,700,225	\$348,688,982

Department	Project	Estimated FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	Five Year Total FY2023 - FY2027
FY2022 Carryover Projects and Adjustments								
(1)Procurement - (10521)	0000000 - No Project (Ads)	(7,600)	0	0	0	0	0	0
(2)Internal Audit - (10811)	0000000 - No Project (Audit Fees)	(4,652)	0	0	0	0	0	0
(3)Legal - (10911)	0000000 - No Project (Legal Fees)	(16,000)	0	0	0	0	0	0
(4)Information Technology - (20111)	1000431 - IT Roadway Systems	(2,400,000)	0	0	0	0	0	0
(5)Information Technology - (20111)	1000825 - Server Hardware Upgrades and Replacements	(3,588,000)	0	0	0	0	0	0
(6)Information Technology - (20111)	1000826 - Computer Hardware Upgrades and Replacements	(670,600)	0	0	0	0	0	0
(7)Information Technology - (20111)	1000827 - Printer Hardware Upgrades and Replacements	(60,000)	0	0	0	0	0	0
(8)Information Technology - (20111)	1000828 - Network Equip. & Comm. Systems Replacement	(755,400)	0	0	0	0	0	0
(9)Information Technology - (20111)	1000829 - Software and Licensing	(119,200)	0	0	0	0	0	0
(10)Admin Infrastructure - (20221)	1000009 - Landscaping	(220,000)	0	0	0	0	0	0
(11)Admin Infrastructure - (20221)	1000026 - RMF - Fleet	(1,438,000)	0	0	0	0	0	0
(12)Admin Infrastructure - (20221)	1000030 - Facility Improvements	(1,290,000)	0	0	0	0	0	0
(13)Project Delivery - (20511)	1000011 - Restriping	(3,055,134)	0	0	0	0	0	0
(14)Project Delivery - (20511)	1000013 - Erosion Mitigation & Drainage Repairs	(3,720,400)	0	0	0	0	0	0
(15)Project Delivery - (20511)	1000018 - Pavement Repair and Rehab.	(1,962,440)	0	0	0	0	0	0
(16)Project Delivery - (20511)	1000020 - Signage	(1,315,880)	0	0	0	0	0	0
(17)Project Delivery - (20511)	1000028 - Systemwide Bridge Repair	(1,088,560)	0	0	0	0	0	0
(18)Project Delivery - (20511)	1000031 - Inspection Services	(773,370)	0	0	0	0	0	0
(19)Project Delivery - (20511)	1000042 - General Engineering	(1,282,072)	0	0	0	0	0	0
(20)Project Delivery - (20511)	1000040 - Wall, Railings & Steel Elements Repair	(1,136,000)	0	0	0	0	0	0
(21)Project Delivery - (20511)	1000041 - Lighting Replacement or Repair	(376,000)	0	0	0	0	0	0
(22)Traffic & Incdnt Mngmt - (20611)	0000000 - No Project (Roadway Safety Service Tools)	(30,000)	0	0	0	0	0	0
(23)Traffic & Incdnt Mngmt - (20611)	0000000 - No Project (Traffic Engineering Fees)	(40,000)	0	0	0	0	0	0
Totals		(\$25,349,308)	\$0	\$0	\$0	\$0	\$0	\$0
Total FY2023 - FY2027 Reserve Maintenance Project Costs		\$38,023,962	\$77,544,501	\$76,728,895	\$73,347,642	\$62,367,719	\$58,700,225	\$348,688,982

Report contains only project costs.

Project Detail

Project Number:	1000431	Budget Year:	2023
Project Title:	IT Roadway Systems	Manager:	Information Technology
Fund:	RMF Project	Project Partner:	N/A
Department:	NTTA-20110-Total Information Technology	Total Project Cost:	Annual Budget
Project Type:	Facilities/Roadway	Prior Years Cost:	

Description: IT roadway systems parts and tools to maintain the system.

Justification: IT roadway systems must be maintained in proper working order to collect all toll data. The RMF budget has been increased to replace aging equipment after appropriate assessment in lieu of the lane technology replacement capital project.

Comments: N/A

Project Forecast
Year

	Total Budget
2023	\$ 6,000,000
2024	3,000,000
2025	3,000,000
2026	3,000,000
2027	3,000,000
	\$ 18,000,000

Project Details 2023

Account	Description	Total Amount
Expenses		
541401	Infrastructure Rdway/Hwy/Bridg	6,000,000
	Total Expenses:	\$ 6,000,000

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	1000825	Budget Year:	2023
Project Title:	Server Hardware Upgrades and Replacements	Manager:	Information Technology
Fund:	RMF Project	Project Partner:	N/A
Department:	NTTA-20110-Total Information Technology	Total Project Cost:	Annual Budget
Project Type:	Technology	Prior Years Cost:	

Description: NTTA servers and storage infrastructure are on a five year replacement schedule.

Justification: The infrastructure for the various NTTA systems must have current support and maintenance agreements.

Comments: N/A

Project Forecast

Year	Total Budget
2023	\$ 8,970,000
2024	8,970,000
2025	8,970,000
2026	8,970,000
2027	8,970,000
	\$ 44,850,000

Project Details 2023

Account	Description	Total Amount
Expenses		
531641	Computers	8,970,000
	Total Expenses:	\$ 8,970,000

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	1000826	Budget Year:	2023
Project Title:	Computer Hardware Upgrades and Replacements	Manager:	Information Technology
Fund:	RMF Project	Project Partner:	N/A
Department:	NTTA-20110-Total Information Technology	Total Project Cost:	Annual Budget
Project Type:	Technology	Prior Years Cost:	

Description: Supplying or replacing workstations and laptops for staff members throughout the Authority.

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.

Comments: N/A

Project Forecast
Year

		Total Budget
2023	\$	1,676,500
2024		1,676,500
2025		1,676,500
2026		1,676,500
2027		1,676,500
	\$	8,382,500

Project Details 2023

Account	Description	Total Amount
Expenses		
531641	Computers	1,676,500
	Total Expenses:	\$ 1,676,500

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	1000827	Budget Year:	2023
Project Title:	Printer Hardware Upgrades and Replacements	Manager:	Information Technology
Fund:	RMF Project	Project Partner:	N/A
Department:	NTTA-20110-Total Information Technology	Total Project Cost:	Annual Budget
Project Type:	Technology	Prior Years Cost:	

Description: Replacement of printers after useful life as expired. Average replacement cost for printers is \$3,500.

Justification: Printer's average warranty is four years. Replaced after warranty expires to ensure availability of critical resource.

Comments: N/A

Project Forecast
Year

	Total Budget
2023	\$ 200,000
2024	200,000
2025	200,000
2026	200,000
2027	200,000
	\$ 1,000,000

Project Details 2023

Account	Description	Total Amount
Expenses		
531641	Computers	200,000
	Total Expenses:	\$ 200,000

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	1000828	Budget Year:	2023
Project Title:	Network Equip. & Comm. Systems Replacement	Manager:	Information Technology
Fund:	RMF Project	Project Partner:	N/A
Department:	NTTA-20110-Total Information Technology	Total Project Cost:	Annual Budget
Project Type:	Technology	Prior Years Cost:	

Description: Non-recurring purchase of hardware associated with requirements identified by NTTA departments related to hardware obsolescence, wear and tear, etc.

Justification: Hardware obsolescence, wear and tear

Comments: N/A

Project Forecast
Year

		Total Budget
2023	\$	1,888,500
2024		1,888,500
2025		1,500,000
2026		1,500,000
2027		1,500,000
	\$	8,277,000

Project Details 2023

Account	Description	Total Amount
Expenses		
531106	Electronic Supplies	1,888,500
	Total Expenses:	\$ 1,888,500

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	1000829	Budget Year:	2023
Project Title:	Software and Licensing	Manager:	Information Technology
Fund:	RMF Project	Project Partner:	N/A
Department:	NTTA-20110-Total Information Technology	Total Project Cost:	Annual Budget
Project Type:	Technology	Prior Years Cost:	

Description: Software and other services associated with requirements identified by NTTA departments.

Justification: Software required for increased headcount and to increase the efficiency of operations.

Comments: N/A

Project Forecast

Year	Total Budget
2023	\$ 298,000
2024	298,000
2025	298,000
2026	298,000
2027	298,000
	\$ 1,490,000

Project Details 2023

Account	Description	Total Amount
Expenses		
531651	Software	298,000
	Total Expenses:	\$ 298,000

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	1000009	Budget Year:	2023
Project Title:	Landscape	Manager:	Maintenance
Fund:	RMF Project	Project Partner:	N/A
Department:	NTTA-20200-Total Maintenance	Total Project Cost:	Annual Budget
Project Type:	Facilities/Roadway	Prior Years Cost:	

Description: Revitalization/replacement of plants in landscape beds due to age or disease.

Justification: To maintain NTTA assets to the Board-approved level of quality. Projects must be performed at the "right time" to prevent higher cost of repairs at a later time.

Comments: N/A

Project Forecast

Year	Total Budget
2023	\$ 550,000
2024	550,000
2025	550,000
2026	600,000
2027	600,000
	\$ 2,850,000

Project Details 2023

Account	Description	Total Amount
Expenses		
522202	Landscaping	550,000
	Total Expenses:	\$ 550,000

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	1000026	Budget Year:	2023
Project Title:	RMF - Fleet	Manager:	Maintenance
Fund:	RMF Project	Project Partner:	N/A
Department:	NTTA-20200-Total Maintenance	Total Project Cost:	Annual Budget
Project Type:	Fleet/Equipment	Prior Years Cost:	

Description: Purchase/replacement of trucks, fleet & equipment.

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 to Board-approved performance level.

Comments: N/A

Project Forecast

Year	Total Budget
2023	\$ 3,603,500
2024	3,810,000
2025	3,749,800
2026	4,014,500
2027	3,726,000
	\$ 18,903,800

Project Details 2023

Account	Description	Total Amount
Expenses		
531611	Machinery	572,500
531621	Vehicles	3,031,000
	Total Expenses:	\$ 3,603,500

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	1000030	Budget Year:	2023
Project Title:	Facility Improvements	Manager:	Maintenance
Fund:	RMF Project	Project Partner:	N/A
Department:	NTTA-20200-Total Maintenance	Total Project Cost:	Annual Budget
Project Type:	Facilities/Roadway	Prior Years Cost:	

Description: Building improvements, extensions, enlargements, additions, reconstruction and replacement. Projects include HVAC Replacements and AATT fan replacement.

Justification: To maintain NTTA assets to the Board-approved level of quality. Projects must be performed at the "right time" to prevent higher cost of repairs at a later time.

Comments: N/A

Project Forecast

Year	Total Budget
2023	\$ 3,085,000
2024	4,780,000
2025	3,745,000
2026	4,280,000
2027	2,115,000
	\$ 18,005,000

Project Details 2023

Account	Description	Total Amount
Expenses		
541302	Building Improvements	3,085,000
	Total Expenses:	\$ 3,085,000

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	1000841	Budget Year:	2023
Project Title:	360T Comprehensive Maintenance Agreement	Manager:	Maintenance
Fund:	RMF Project	Project Partner:	N/A
Department:	NTTA-20200-Total Maintenance	Total Project Cost:	Annual Budget
Project Type:	Facilities/Roadway	Prior Years Cost:	

Description: Repair projects for roadway pavements, bridge, and ROW erosion, such as striping, pavement profile and surface friction improvements, restriping, sign replacements, installation of erosion mats and earth work.

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 further higher cost of repairs at a later time.

Comments:

Project Forecast

Year	Total Budget
2023	\$ 675,455
2024	706,202
2025	731,445
2026	753,385
2027	2,742,850
	\$ 5,609,337

Project Details 2023

Account	Description	Total Amount
Expenses		
522201	Repairs and Maintenance	675,455
	Total Expenses:	\$ 675,455

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	1000011	Budget Year:	2023
Project Title:	Restriping	Manager:	Project Delivery
Fund:	RMF Project	Project Partner:	N/A
Department:	NTTA-20510-Total Project Delivery	Total Project Cost:	Annual Budget
Project Type:	Facilities/Roadway	Prior Years Cost:	

Description: Major roadway re-striping projects.
To address pavement markings, pavement markers, delineation and object markers that have met the end of their useful life.

Justification: To maintain visibility and reflectivity, especially during nighttime and inclement weather conditions to enhance traffic safety.

Comments: N/A

Project Forecast

Year	Total Budget
2023	\$ 5,921,381
2024	5,047,315
2025	6,461,933
2026	11,094,052
2027	8,109,000
	\$ 36,633,681

Project Details 2023

Account	Description	Total Amount
Expenses		
522204	Pavement Markings	5,921,381
	Total Expenses:	\$ 5,921,381

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	1000013	Budget Year:	2023
Project Title:	Erosion Mitigation & Drainage Repairs	Manager:	Project Delivery
Fund:	RMF Project	Project Partner:	N/A
Department:	NTTA-20510-Total Project Delivery	Total Project Cost:	Annual Budget
Project Type:	Facilities/Roadway	Prior Years Cost:	

Description: Major channel, ditch or embankment erosion projects. To mitigate erosion along channels encroaching on bridge columns or outfall systems, stabilize embankments, add/repair/enlarge drainage structures to adequately convey water, or regrade ditches to re-establish proper flow.

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.

Comments: N/A

Project Forecast

Year	Total Budget
2023	\$ 11,793,322
2024	4,950,000
2025	1,700,000
2026	1,485,000
2027	3,125,000
	\$ 23,053,322

Project Details 2023

Account	Description	Total Amount
Expenses		
541401	Infrastructure Rdway/Hwy/Bridg	11,793,322
	Total Expenses:	\$ 11,793,322

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	1000018	Budget Year:	2023
Project Title:	Pavement Repair and Rehab	Manager:	Project Delivery
Fund:	RMF Project	Project Partner:	N/A
Department:	NTTA-20510-Total Project Delivery	Total Project Cost:	Annual Budget
Project Type:	Facilities/Roadway	Prior Years Cost:	

Description: Major roadway repair or rehabilitation projects. To address base failures, significant sub-grade movement, joint deterioration, unsealed joints and cracks, pavement surface deterioration of main lanes and shoulders & surface skid resistance.

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.

Comments: N/A

Project Forecast

Year	Total Budget
2023	\$ 6,400,198
2024	21,563,200
2025	23,455,310
2026	9,490,490
2027	4,257,050
	\$ 65,166,248

Project Details 2023

Account	Description	Total Amount
Expenses		
522205	Pavement & Shoulders	6,400,198
	Total Expenses:	\$ 6,400,198

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	1000020	Budget Year:	2023
Project Title:	Signage	Manager:	Project Delivery
Fund:	RMF Project	Project Partner:	N/A
Department:	NTTA-20510-Total Project Delivery	Total Project Cost:	Annual Budget
Project Type:	Facilities/Roadway	Prior Years Cost:	

Description: Major roadway sign replacement projects. To address large guide sign and roadside panels that have met the end of their useful life due to degradation of their retroreflectivity.

Justification: To maintain visibility and reflectivity to enhance traffic safety.

Comments: N/A

Project Forecast

Year	Total Budget
2023	\$ 4,215,000
2024	5,046,700
2025	1,589,100
2026	1,004,350
2027	2,629,850
	\$ 14,485,000

Project Details 2023

Account	Description	Total Amount
Expenses		
522203	Signing Expense	4,215,000
	Total Expenses:	\$ 4,215,000

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	1000028	Budget Year:	2023
Project Title:	System-Wide Bridge Repair	Manager:	Project Delivery
Fund:	RMF Project	Project Partner:	N/A
Department:	NTTA-20510-Total Project Delivery	Total Project Cost:	Annual Budget
Project Type:	Facilities/Roadway	Prior Years Cost:	

Description: Bridge repair projects include such items as approach slab settlement or buckling, abutment wall cracking, bent cap cracking, wear of driving surface (skid resistance), and bridge deck deterioration.

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 further higher cost of repairs at a later time.

Comments: N/A

Project Forecast

Year	Total Budget
2023	\$ 6,275,000
2024	5,225,000
2025	3,350,000
2026	3,400,000
2027	2,175,000
	\$ 20,425,000

Project Details 2023

Account	Description	Total Amount
Expenses		
522206	Bridge Repairs	6,275,000
	Total Expenses:	\$ 6,275,000

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	1000031	Budget Year:	2023
Project Title:	Inspection Services	Manager:	Project Delivery
Fund:	RMF Project	Project Partner:	N/A
Department:	NTTA-20510-Total Project Delivery	Total Project Cost:	Annual Budget
Project Type:	Facilities/Roadway	Prior Years Cost:	

Description: Annual visual inspection of NTTA's assets such as pavement, bridges, tunnel walls, roadside appurtenances, buildings/facilities, etc.

Justification: To assess asset condition and to assist in identifying potential repair projects. Inspection process allows NTTA to maintain their assets at or above the Board-approved performance level.

Comments: N/A

Project Forecast

Year	Total Budget
2023	\$ 3,478,262
2024	3,643,320
2025	3,824,719
2026	4,009,846
2027	3,886,591
	\$ 18,842,738

Project Details 2023

Account	Description	Total Amount
Expenses		
521301	Consulting/Profess Serv Tech	3,478,262
	Total Expenses:	\$ 3,478,262

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	1000042	Budget Year:	2023
Project Title:	General Engineering	Manager:	Project Delivery
Fund:	RMF Project	Project Partner:	N/A
Department:	NTTA-20510-Total Project Delivery	Total Project Cost:	Annual Budget
Project Type:	Facilities/Roadway	Prior Years Cost:	

Description: Professional services providing project management oversight for the planning and design of routine maintenance and repair/rehab projects, the annual 5-year RMF and CIF budget development, asset management and other duties to support the Project Delivery and Maintenance Departments.

Justification: To maintain NTTA assets to the Board-approved level of quality and ultimately the safety of NTTA's customers.

Comments: N/A

Project Forecast

Year	Total Budget
2023	\$ 3,198,599
2024	3,333,528
2025	3,475,205
2026	3,623,966
2027	3,782,954
	\$ 17,414,252

Project Details 2023

Account	Description	Total Amount
Expenses		
521213	General Engineering	3,198,599
	Total Expenses:	\$ 3,198,599

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	1000040	Budget Year:	2023
Project Title:	Walls, Railings and Steel Elements Repair	Manager:	Project Delivery
Fund:	RMF Project	Project Partner:	N/A
Department:	NTTA-20510-Total Project Delivery	Total Project Cost:	Annual Budget
Project Type:	Facilities/Roadway	Prior Years Cost:	

Description: Retaining, screen and sound walls, railings and structural steel element surface finish improvements. Projects include items such as surface protection of various walls, railings and structural steel elements.

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.

Comments: N/A

Project Forecast

Year	Total Budget
2023	\$ 5,860,077
2024	1,170,000
2025	4,275,000
2026	2,282,000
2027	5,235,800
	\$ 18,822,877

Project Details 2023

Account	Description	Total Amount
Expenses		
541401	Infrastructure Rdway/Hwy/Bridg	5,860,077
	Total Expenses:	\$ 5,860,077

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	1000041	Budget Year:	2023
Project Title:	Lighting Replacement or Repair	Manager:	Project Delivery
Fund:	RMF Project	Project Partner:	N/A
Department:	NTTA-20510-Total Project Delivery	Total Project Cost:	Annual Budget
Project Type:	Facilities/Roadway	Prior Years Cost:	

Description: Roadway illumination repair or replacement projects. To address lighting needs, replacement or upgrades due to improvements in technology.

Justification: To maintain or improve visibility to enhance traffic safety.

Comments: N/A

Project Forecast

Year	Total Budget
2023	\$ 3,135,077
2024	200,000
2025	125,000
2026	15,000
2027	-
	\$ 3,475,077

Project Details 2023

Account	Description	Total Amount
Expenses		
521213	General Engineering	3,135,077
	Total Expenses:	\$ 3,135,077

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

CAPITAL IMPROVEMENT PROJECTS



Future mainlane bridges on the Dallas North Tollway extending over US 380



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 PHASE 4B

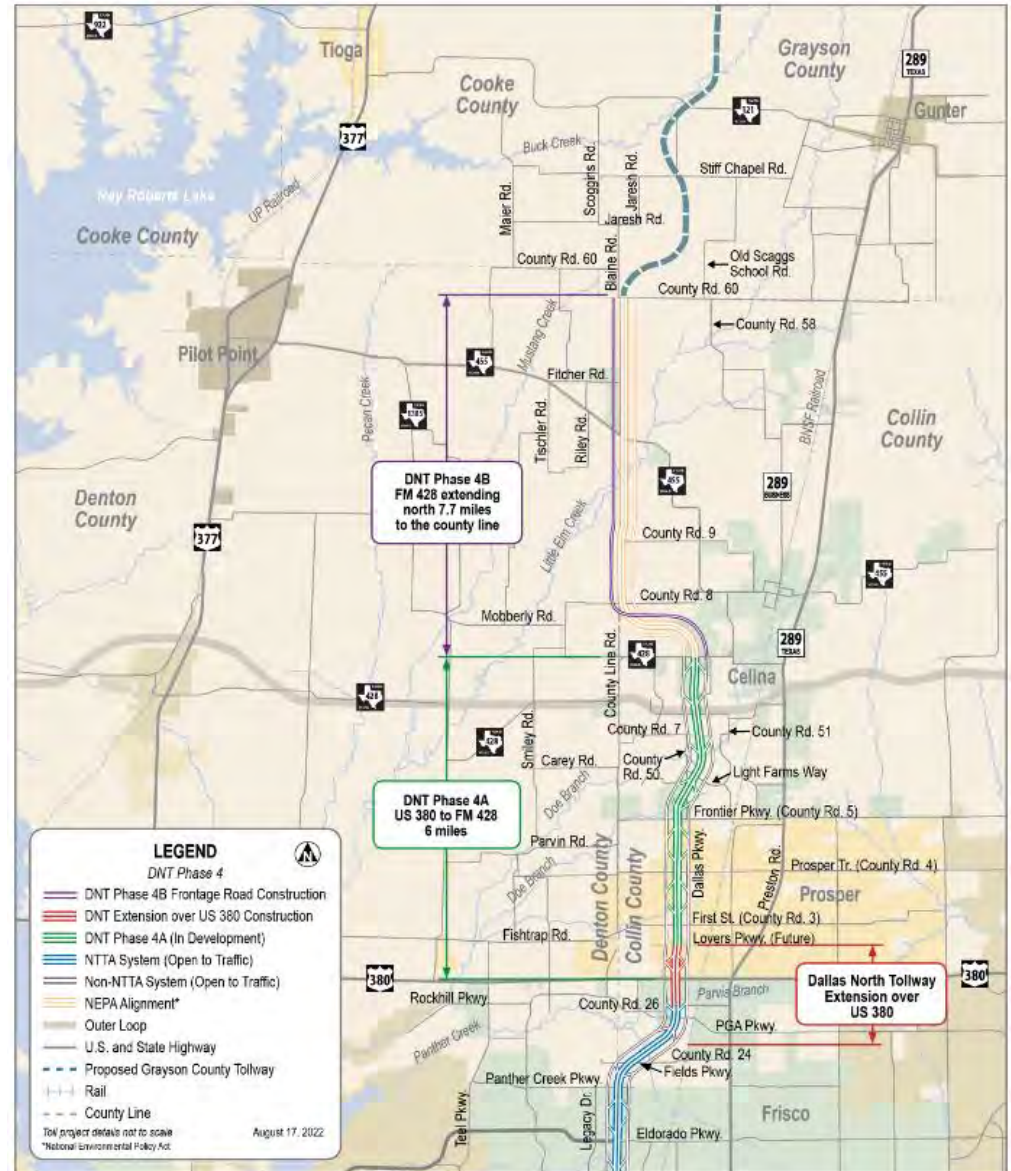
The Phase 4B extension is an approximate 8-mile section from FM 428 to Grayson County. The FY2023-FY2027 Capital Plan includes \$33.8 million for planning and design. Total project costs are estimated at \$540.0 million.

DALLAS NORTH TOLLWAY PHASE 4A

The Phase 4A extension is an approximate 6-mile section from U.S. 380 to FM 428. The FY2023-FY2027 Capital Plan includes \$357.6 million for design and construction. Total project costs are estimated at \$400.0 million.

DALLAS NORTH TOLLWAY BRIDGES OVER U.S. 380

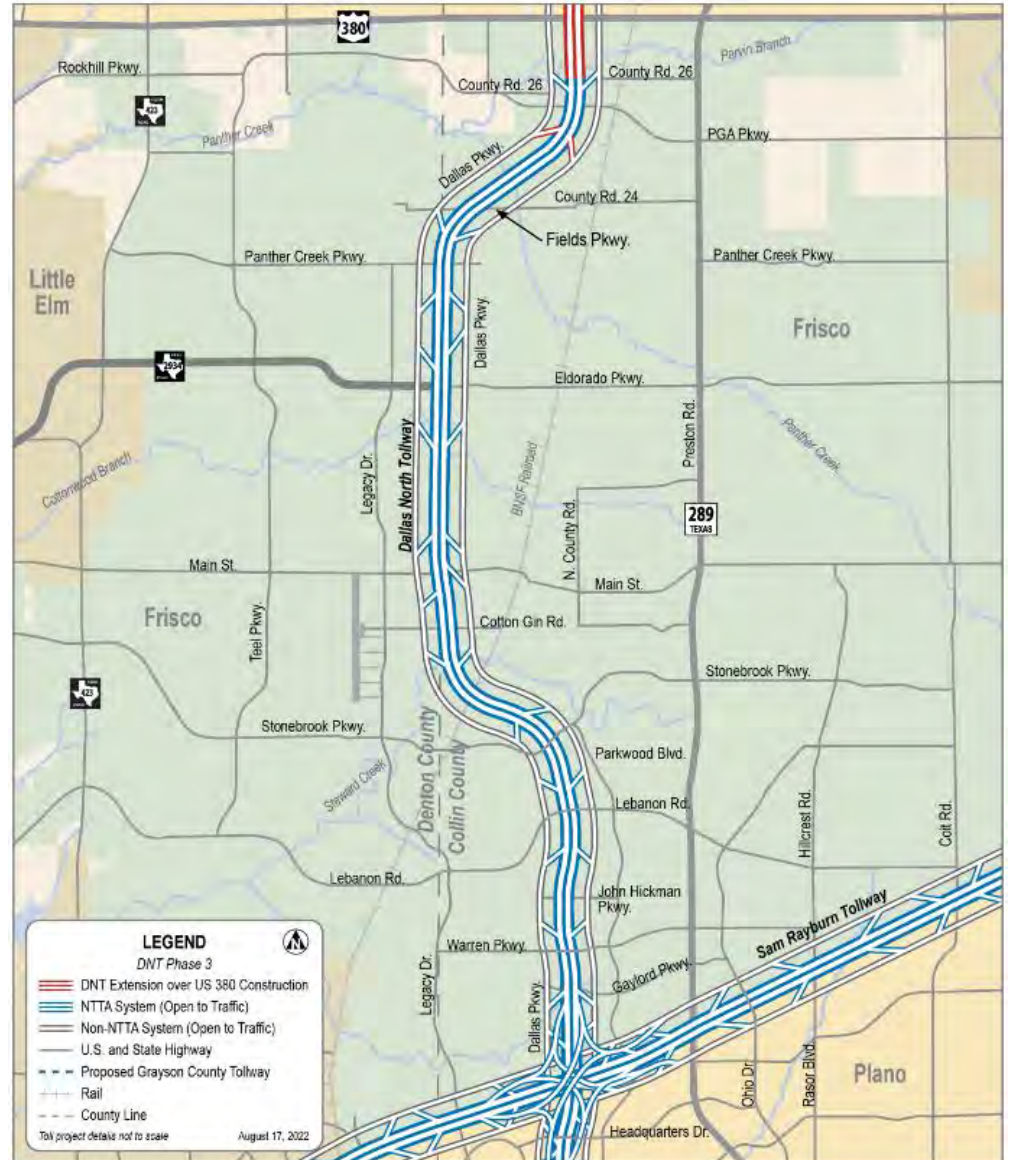
NTTA is extending the DNT north by constructing main lane bridges over U.S. 380. Construction began in FY2020 and is scheduled for completion in early FY2023. The FY2023-FY2027 Capital Plan includes the estimated project cost of \$6.0 million. Total project costs are estimated at \$90.3 million.



Capital Improvement Projects (continued)

DALLAS NORTH TOLLWAY WIDENING (SRT TO U.S. 380)

NTTA is adding an additional lane in each direction to DNT from SRT to U.S. 380. Construction began in FY2022 and is scheduled for completion in FY2025. The FY2023-FY2027 Capital Plan includes \$130.3 million for this project. Total project costs are estimated at \$157.3 million.



Capital Improvement Projects (continued)

PGBT/360 TOLLWAY CONNECTOR

The proposed project connects PGBT from south of Mayfield Road to 360 Tollway at north of Camp Wisdom Road in southern Tarrant County. The FY2023-FY2027 Capital Plan includes \$84.9 million for project development. The total estimated project costs are \$363.3 million.

360T SECTION 1 IMPROVEMENTS

The 360T improvements are proposed for north of Camp Wisdom Road to US 287. The FY2023 – FY2027 Capital Plan includes \$25.9 million for turf and irrigation improvements, landscape and maintenance.

360T SECTION 2

The 360T Section 2 project runs approximately 5.5-miles from US 287 to US 67. The FY2023 – FY2027 Capital Plan includes \$4.6 million for planning scheduled to start mid-2023.



Capital Improvement Projects (continued)

PGBT EAST BRANCH

The proposed project would extend approximately 11.2-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. The FY2023-FY2027 Capital Plan contains \$78.8 million for planning, design and right-of-way. The total estimated project costs are \$1.3 billion.



Capital Improvement Projects (continued)

CTP SOUTH 2-LANES

This project adds two southbound main lanes from south of FM 1187 to U.S. 67. The FY2023 – FY2027 Capital Plan includes \$150.8 million for planning, design and construction. Total estimated project costs are \$239.4 million.



Capital Improvement Projects (continued)

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 FY2023 – FY2027 Capital Plan are as follows: lane system upgrade, back office system, infrastructure managed services, disaster recovery, enterprise storage, intelligent transportation systems and items related to information security and compliance. The FY2023 – FY2027 Capital Plan includes \$209.8 million for this category.

ROADWAYS

Various improvement projects are planned across the NTTA System including but not limited to repairs, resurfacing, reconstruction and replacements. The FY2023 – FY2027 Capital Plan includes \$150.4 million for this category.

RECONSTRUCTION/REPAIR OF RETAINING WALLS

Several retaining wall projects are being developed to address identified issues. The FY2023 – FY2027 Capital Plan includes \$83.4 million.

DNT CAPACITY IMPROVEMENTS STUDY

General engineering fees are being budgeted to identify possible capacity improvements on DNT. The FY2023 – FY2027 Capital Plan includes \$2.2 million for this project.

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 \$16.6 million for this category.



**Capital Improvement Fund - (1501) - Project List
FY2023 - FY2027 CAPITAL PLAN**

Department	Project	Estimated FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	Five Year Total FY2023 - FY2027
Procurement - (10521)	0000000 - No Project (Ads) (1)	\$12,000	\$12,000	\$12,000	\$12,000	\$12,000	\$12,000	\$60,000
	Procurement - (10521) Total	12,000	12,000	12,000	12,000	12,000	12,000	60,000
Internal Audit - (10811)	0000000 - No Project (Audit Fees) (2)	93,040	93,040	93,040	93,040	93,040	93,040	465,200
	Internal Audit - (10811) Total	93,040	93,040	93,040	93,040	93,040	93,040	465,200
Legal - (10911)	0000000 - No Project (Legal Fees) (3)	250,000	250,000	250,000	250,000	250,000	250,000	1,250,000
	Legal - (10911) Total	250,000	250,000	250,000	250,000	250,000	250,000	1,250,000
Treasury & Financial Planning - (10531)	0000000 - No Project (Consulting Fees) (4)	67,900	67,900	67,900	67,900	67,900	67,900	339,500
Treasury & Financial Planning - (10531)	0000000 - No Project (Rating Agency Fees) (5)	91,000	91,000	91,000	91,000	91,000	91,000	455,000
Treasury & Financial Planning - (10531)	0000000 - No Project (T&R Fees) (6)	500,000	0	500,000	0	500,000	0	1,000,000
Treasury & Financial Planning - (10531)	0000000 - No Project (Trustee Fees) (7)	189,500	75,000	75,000	75,000	75,000	75,000	375,000
	Treasury & Financial Planning - (10531) Total	848,400	233,900	733,900	233,900	733,900	233,900	2,169,500
Information Technology - (20111)	1000030 - Facility Improvements (8)	200,000	0	0	0	0	0	0
Information Technology - (20111)	7000005 - Business Analytics (9)	845,000	395,000	320,000	80,000	350,000	150,000	1,295,000
Information Technology - (20111)	7000006 - PCI Compliance (10)	3,300,000	2,053,213	2,180,000	2,100,000	2,100,000	2,100,000	10,533,213
Information Technology - (20111)	7000008 - Disaster Recovery (11)	5,452,544	5,246,906	5,246,906	5,246,906	5,246,906	5,246,906	26,234,530
Information Technology - (20111)	7000011 - Intelligent Transportation Systems Enhancements (12)	1,350,000	2,415,129	739,678	961,328	961,328	262,610	5,340,073
Information Technology - (20111)	7000016 - Data Storage for Images, Databases and Video (13)	2,316,000	1,500,000	2,500,000	1,000,000	2,500,000	1,000,000	8,500,000
Information Technology - (20111)	7000017 - EPDS Enhancements	0	0	0	0	200,000	200,000	400,000
Information Technology - (20111)	7000018 - Redesign of Internet (14)	650,000	200,000	200,000	200,000	100,000	100,000	800,000
Information Technology - (20111)	7000021 - PeopleSoft HR HCM Enhancements (15)	300,000	300,000	300,000	300,000	300,000	300,000	1,500,000
Information Technology - (20111)	7000022 - Digital Aerial Photography (16)	86,000	86,000	86,000	86,000	88,500	88,500	435,000
Information Technology - (20111)	7000033 - Microsoft Enterprise Agreement (17)	3,976,825	500,000	500,000	500,000	500,000	500,000	2,500,000
Information Technology - (20111)	7000040 - Expand Virtualization (18)	2,004,913	1,565,110	1,627,714	1,692,823	2,000,000	1,100,000	7,985,647
Information Technology - (20111)	7000042 - Computer Hardware Upgrade (19)	2,800,000	1,000,000	2,000,000	2,000,000	2,000,000	2,000,000	9,000,000
Information Technology - (20111)	7000050 - GIS Enhancement (20)	455,000	450,000	355,000	330,000	330,000	330,000	1,795,000
Information Technology - (20111)	7000054 - Service Desk Software Enhancements (21)	275,000	576,000	576,000	576,000	576,000	576,000	2,880,000
Information Technology - (20111)	7000056 - Toll Collection System Implementation (22)	1,736,332	0	0	0	0	0	0
Information Technology - (20111)	7000064 - Board Room Video/Presentation Enhancement (23)	100,000	250,000	100,000	100,000	100,000	100,000	650,000
Information Technology - (20111)	7000068 - National IOP (24)	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	5,000,000
Information Technology - (20111)	7000070 - Multi-Channel Communications - CSC (25)	600,000	1,600,000	2,500,000	1,100,000	2,000,000	1,100,000	8,300,000
Information Technology - (20111)	7000071 - LoneStar Module Expansion (26)	175,000	175,000	175,000	175,000	175,000	175,000	875,000
Information Technology - (20111)	7000081 - eProcurement Project Workflow Tracker	0	0	300,000	100,000	0	0	400,000
Information Technology - (20111)	7000086 - NTTA Employee Portal (27)	100,000	350,000	250,000	200,000	0	0	800,000
Information Technology - (20111)	7000110 - Enterprise Content Management (28)	100,000	400,000	300,000	200,000	200,000	0	1,100,000
Information Technology - (20111)	7000112 - Contract Management System (29)	120,000	0	0	270,000	150,000	0	420,000
Information Technology - (20111)	7000115 - C*Care Facility Access System	0	50,000	50,000	50,000	50,000	50,000	250,000
Information Technology - (20111)	7000116 - Backup System (30)	450,000	475,000	475,000	475,000	500,000	520,000	2,445,000
Information Technology - (20111)	7000117 - Lane System Upgrade (31)	2,000,000	1,000,000	5,200,000	2,000,000	1,300,000	500,000	10,000,000
Information Technology - (20111)	7000128 - CSC Queue Management and Appointment (32)	300,000	400,000	50,000	0	0	0	450,000
Information Technology - (20111)	7000130 - Enterprise System Monitoring (33)	600,000	600,000	600,000	600,000	700,000	800,000	3,300,000
Information Technology - (20111)	7000134 - Back Office System (34)	10,670,053	4,000,000	4,000,000	4,000,000	4,000,000	400,000	16,400,000

Department	Project	Estimated FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	Five Year Total FY2023 - FY2027
Information Technology - (20111)	7000172 - Infrastructure Managed Services - Data Centers (35)	5,629,876	5,729,876	5,900,000	5,900,000	5,900,000	5,000,000	28,429,876
Information Technology - (20111)	7000173 - Cloud Expansion Project (36)	1,300,000	3,500,000	2,500,000	1,000,000	3,000,000	300,000	10,300,000
Information Technology - (20111)	7000174 - PeopleSoft Replacement Project	0	500,000	2,000,000	2,000,000	2,000,000	0	6,500,000
Information Technology - (20111)	7000175 - Equinix (37)	1,500,000	400,000	400,000	800,000	500,000	350,000	2,450,000
Information Technology - (20111)	7000176 - CJIS Compliance (38)	300,000	300,000	400,000	300,000	300,000	0	1,300,000
Information Technology - (20111)	7000177 - New Debt and Cash Management Software (39)	100,000	100,000	200,000	0	0	0	300,000
Information Technology - (20111)	7000179 - Lockbox Replacement Assessment (40)	500,000	0	500,000	1,000,000	0	0	1,500,000
Information Technology - (20111)	7000180 - CSC Print Vendor (41)	300,000	2,500,000	0	0	0	0	2,500,000
Information Technology - (20111)	7000181 - Payment Processor Replacement	0	0	0	500,000	2,000,000	0	2,500,000
Information Technology - (20111)	7000183 - CSC Business Continuity (42)	1,300,000	1,075,000	275,000	275,000	275,000	275,000	2,175,000
Information Technology - (20111)	7000184 - Planned Collection Initiatives (43)	4,600,000	6,400,000	2,600,000	1,400,000	1,400,000	1,400,000	13,200,000
Information Technology - (20111)	7000187 - Semafone (44)	200,000	200,000	200,000	200,000	200,000	200,000	1,000,000
Information Technology - (20111)	7000188 - Expand Parking Using TollTag	300,000	300,000	200,000	100,000	0	0	600,000
Information Technology - (20111)	7000190 - Next Gen Tags (45)	300,000	50,000	100,000	500,000	0	0	650,000
Information Technology - (20111)	7000194 - Enterprise Applications Helpdesk	0	500,000	500,000	500,000	500,000	500,000	2,500,000
Information Technology - (20111)	7000195 - IT General Operations Consultant	0	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	5,000,000
Information Technology - (20111)	7000196 - Maintenance Fleet Telematics	0	250,000	0	0	0	0	250,000
Information Technology - (20111)	7001252 - Windows Server Upgrade (46)	800,000	800,000	700,000	500,000	500,000	500,000	3,000,000
Information Technology - (20111)	7001253 - Command Center Radio Upgrade (47)	250,000	1,000,000	300,000	1,000,000	300,000	1,000,000	3,600,000
	Information Technology - (20111) Total	59,342,543	51,192,234	49,406,298	42,318,057	45,302,734	29,124,016	217,343,339
Admin Infrastructure - (20221)	1000835 - Systemwide Facility Improvements (48)	4,850,000	4,407,107	3,730,000	3,050,000	4,350,000	1,050,000	16,587,107
	Admin Infrastructure - (20221) Total	4,850,000	4,407,107	3,730,000	3,050,000	4,350,000	1,050,000	16,587,107
Project Delivery - (20511)	1000010 - DNT Median Replacement (49)	0	0	0	0	0	0	0
Project Delivery - (20511)	1000042 - General Engineering (50)	330,780	250,000	250,000	250,000	250,000	250,000	1,250,000
Project Delivery - (20511)	1000045 - Sand Stockpile (51)	50,000	2,000,000	0	125,000	2,050,000	100,000	4,275,000
Project Delivery - (20511)	2000000 - PGBT EE (52)	0	50,000	0	0	0	0	50,000
Project Delivery - (20511)	2000002 - PGBT 4th Lane Widening (53)	3,233,000	585,219	0	0	0	0	585,219
Project Delivery - (20511)	2000005 - PGBT Continuous Illumination (54)	3,327,144	9,315,781	22,417,967	20,790,968	20,074,593	8,346,851	80,946,160
Project Delivery - (20511)	2100003 - DNT 4th Lane (PGBT to SRT) (55)	300,000	0	0	0	0	0	0
Project Delivery - (20511)	2100007 - DNT PH4A Bridges over U.S. 380 (56)	11,570,000	5,417,721	561,707	0	0	0	5,979,428
Project Delivery - (20511)	2100008 - DNT Phase 4B (Frontage Road) (57)	6,688,007	248,025	0	0	0	0	248,025
Project Delivery - (20511)	2100010 - DNT 4B (Segment 6) (58)	0	10,000	4,684,263	3,276,988	12,515,796	13,311,309	33,798,356
Project Delivery - (20511)	2100011 - DNT Widening (SRT to U.S. 380) (59)	20,293,313	45,256,362	51,308,728	33,528,277	180,000	60,000	130,333,367
Project Delivery - (20511)	2100012 - DNT Corridor Capacity Study	0	1,300,000	900,000	0	0	0	2,200,000
Project Delivery - (20511)	2100013 - DNT PH4A (60)	17,034,253	6,323,272	75,523,955	103,111,063	83,731,053	88,952,805	357,642,148
Project Delivery - (20511)	2100310 - DNT South End Design Guidelines Implementation	0	0	0	1,700,293	14,049,111	8,355,271	24,104,675
Project Delivery - (20511)	2500003 - SRT Widening (61)	1,577,762	556,000	0	0	0	0	556,000
Project Delivery - (20511)	2500004 - SRT Continuous Illumination (62)	688,808	688,808	2,296,724	11,317,756	13,967,014	11,527,697	39,797,999
Project Delivery - (20511)	2900001 - 360T Section 1 Improvements	0	50,000	1,450,000	1,250,000	15,276,600	7,853,098	25,879,698
Project Delivery - (20511)	2900002 - 360T Section 2	0	1,150,000	2,300,000	1,150,000	0	0	4,600,000
Project Delivery - (20511)	3000000 - PGBT East Branch (63)	5,861,421	2,885,108	2,885,108	8,947,087	25,199,997	38,862,600	78,779,900
Project Delivery - (20511)	3900001 - PGBT/360 Tollway Connector (64)	2,894,849	2,754,642	4,333,356	14,593,953	13,363,574	49,838,633	84,884,158
Project Delivery - (20511)	7000072 - MSE Wall Program (65)	5,615,000	14,966,000	24,276,000	23,046,000	11,615,000	9,455,000	83,358,000
Project Delivery - (20511)	7200000 - CTP (66)	0	150,000	50,000	0	0	0	200,000
Project Delivery - (20511)	7200001 - CTP South 2-lanes (67)	3,600,798	8,609,466	6,385,270	4,623,150	55,184,332	75,987,340	150,789,558
Project Delivery - (20511)	7200002 - CTP Worth Creek Parkway Overpass	0	1,685,000	1,398,300	11,916,000	8,393,000	0	23,392,300
	Project Delivery - (20511) Total	83,065,135	104,251,404	201,021,378	239,626,535	275,850,070	312,900,604	1,133,649,991

Department	Project	Estimated FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	Five Year Total FY2023 - FY2027
Traffic & Incndnt Mgmt. - (20611)	0000000 - No Project (Traffic Engineering Fees) (68)	400,000	400,000	400,000	400,000	400,000	500,000	2,100,000
Traffic & Incndnt Mgmt. - (20611)	7000000 - Systemwide Safety Improvements (69)	8,707,000	7,035,000	17,050,000	18,075,000	12,270,000	10,900,000	65,330,000
	Traffic & Incndnt Mgmt. - (20611) Total	9,107,000	7,435,000	17,450,000	18,475,000	12,670,000	11,400,000	67,430,000
Totals		\$157,568,118	\$167,874,685	\$272,696,616	\$304,058,532	\$339,261,744	\$355,063,560	\$1,438,955,137

FY2022 Carryover Projects and Adjustments

(1)Procurement - (10521)	0000000 - No Project (Ads)	(4,800)	0	0	0	0	0	0
(2)Internal Audit - (10811)	0000000 - No Project (Audit Fees)	(37,216)	0	0	0	0	0	0
(3)Legal - (10911)	0000000 - No Project (Legal Fees)	(100,000)	0	0	0	0	0	0
(4)Treasury & Financial Planning - (10531)	0000000 - No Project (Consulting Fees)	(27,160)	0	0	0	0	0	0
(5)Treasury & Financial Planning - (10531)	0000000 - No Project (Rating Agency Fees)	(36,400)	0	0	0	0	0	0
(6)Treasury & Financial Planning - (10531)	0000000 - No Project (T&R Fees)	(200,000)	0	0	0	0	0	0
(7)Treasury & Financial Planning - (10531)	0000000 - No Project (Trustee Fees)	(75,800)	0	0	0	0	0	0
(8)Information Technology - (20111)	1000030 - Facility Improvements	(150,000)	0	0	0	0	0	0
(9)Information Technology - (20111)	7000005 - Business Analytics	(338,000)	0	0	0	0	0	0
(10)Information Technology - (20111)	7000006 - PCI Compliance	815,991	0	0	0	0	0	0
(11)Information Technology - (20111)	7000008 - Disaster Recovery	(2,181,018)	0	0	0	0	0	0
(12)Information Technology - (20111)	7000011 - Intelligent Transportation Systems Enhancements	104,725	0	0	0	0	0	0
(13)Information Technology - (20111)	7000016 - Data Storage for Images, Databases and Video	(926,400)	0	0	0	0	0	0
(14)Information Technology - (20111)	7000018 - Redesign of Internet	9,562	0	0	0	0	0	0
(15)Information Technology - (20111)	7000021 - PeopleSoft HR HCM Enhancements	(120,000)	0	0	0	0	0	0
(16)Information Technology - (20111)	7000022 - Digital Aerial Photography	(34,400)	0	0	0	0	0	0
(17)Information Technology - (20111)	7000033 - Microsoft Enterprise Agreement	(2,476,825)	0	0	0	0	0	0
(18)Information Technology - (20111)	7000040 - Expand Virtualization	(801,965)	0	0	0	0	0	0
(19)Information Technology - (20111)	7000042 - Computer Hardware Upgrade	(2,600,000)	0	0	0	0	0	0
(20)Information Technology - (20111)	7000050 - GIS Enhancement	(182,000)	0	0	0	0	0	0
(21)Information Technology - (20111)	7000054 - Service Desk Software Enhancements	(175,000)	0	0	0	0	0	0
(22)Information Technology - (20111)	7000056 - Toll Collection System Implementation	(694,533)	0	0	0	0	0	0
(23)Information Technology - (20111)	7000064 - Board Room Video/Presentation Enhancement	(40,000)	0	0	0	0	0	0
(24)Information Technology - (20111)	7000068 - National IOP	(590,000)	0	0	0	0	0	0
(25)Information Technology - (20111)	7000070 - Multi-Channel Communications - CSC	116,808	0	0	0	0	0	0
(26)Information Technology - (20111)	7000071 - LoneStar Module Expansion	(70,000)	0	0	0	0	0	0
(27)Information Technology - (20111)	7000086 - NTA Employee Portal	(40,000)	0	0	0	0	0	0
(28)Information Technology - (20111)	7000110 - Enterprise Content Management	(40,000)	0	0	0	0	0	0
(29)Information Technology - (20111)	7000112 - Contract Management System	(48,000)	0	0	0	0	0	0
(30)Information Technology - (20111)	7000116 - Backup System	(180,000)	0	0	0	0	0	0
(31)Information Technology - (20111)	7000117 - Lane System Upgrade	(1,150,000)	0	0	0	0	0	0
(32)Information Technology - (20111)	7000128 - CSC Queue Management and Appointment	(120,000)	0	0	0	0	0	0
(33)Information Technology - (20111)	7000130 - Enterprise System Monitoring	(240,000)	0	0	0	0	0	0
(34)Information Technology - (20111)	7000134 - Back Office System	(2,298,397)	0	0	0	0	0	0
(35)Information Technology - (20111)	7000172 - Infrastructure Managed Services - Data Centers	(4,129,876)	0	0	0	0	0	0
(36)Information Technology - (20111)	7000173 - Cloud Expansion Project	(700,000)	0	0	0	0	0	0
(37)Information Technology - (20111)	7000175 - Equinix	(600,000)	0	0	0	0	0	0
(38)Information Technology - (20111)	7000176 - CJIS Compliance	(120,000)	0	0	0	0	0	0
(39)Information Technology - (20111)	7000177 - New Debt and Cash Management Software	(40,000)	0	0	0	0	0	0
(40)Information Technology - (20111)	7000179 - Lockbox Replacement Assessment	(200,000)	0	0	0	0	0	0
(41)Information Technology - (20111)	7000180 - CSC Print Vendor	(120,000)	0	0	0	0	0	0
(42)Information Technology - (20111)	7000183 - CSC Business Continuity	(520,000)	0	0	0	0	0	0
(43)Information Technology - (20111)	7000184 - Planned Collection Initiatives	(1,840,000)	0	0	0	0	0	0
(44)Information Technology - (20111)	7000187 - Semafone	(80,000)	0	0	0	0	0	0
(45)Information Technology - (20111)	7000190 - Next Gen Tags	(120,000)	0	0	0	0	0	0

Department	Project	Estimated FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	Five Year Total FY2023 - FY2027
(46)Information Technology - (20111)	7001252 - Windows Server Upgrade	(320,000)	0	0	0	0	0	0
(47)Information Technology - (20111)	7001253 - Command Center Radio Upgrade	(100,000)	0	0	0	0	0	0
(48) Admin Infrastructure - (20221)	1000835 - Systemwide Facility Improvements	(4,171,532)	0	0	0	0	0	0
(49)Project Delivery - (20511)	1000010 - DNT Median Replacement	401,779	0	0	0	0	0	0
(50)Project Delivery - (20511)	1000042 - General Engineering	(270,780)	0	0	0	0	0	0
(51)Project Delivery - (20511)	1000045 - Sand Stockpile	(20,000)	0	0	0	0	0	0
(52)Project Delivery - (20511)	2000000 - PGBT EE	13,527	0	0	0	0	0	0
(53)Project Delivery - (20511)	2000002 - PGBT 4th Lane Widening	3,419,749	0	0	0	0	0	0
(54)Project Delivery - (20511)	2000005 - PGBT Continuous Illumination	(1,702,181)	0	0	0	0	0	0
(55)Project Delivery - (20511)	2100003 - DNT 4th Lane (PGBT to SRT)	(120,000)	0	0	0	0	0	0
(56)Project Delivery - (20511)	2100007 - DNT PH4A Bridges over U.S. 380	4,844,448	0	0	0	0	0	0
(57)Project Delivery - (20511)	2100008 - DNT Phase 4B (Frontage Road)	(2,675,203)	0	0	0	0	0	0
(58)Project Delivery - (20511)	2100010 - DNT Phase 4B (Segment 6)	4,334	0	0	0	0	0	0
(59)Project Delivery - (20511)	2100011 - DNT Widening (SRT to U.S. 380)	(19,087,019)	0	0	0	0	0	0
(60)Project Delivery - (20511)	2100013 - DNT PH4A	(10,785,379)	0	0	0	0	0	0
(61)Project Delivery - (20511)	2500003 - SRT Widening	4,660,063	0	0	0	0	0	0
(62)Project Delivery - (20511)	2500004 - SRT Continuous Illumination	(275,523)	0	0	0	0	0	0
(63)Project Delivery - (20511)	3000000 - PGBT East Branch	(2,344,568)	0	0	0	0	0	0
(64)Project Delivery - (20511)	3900001 - PGBT/360 Tollway Connector	(1,157,940)	0	0	0	0	0	0
(65)Project Delivery - (20511)	7000072 - MSE Wall Program	(996,560)	0	0	0	0	0	0
(66)Project Delivery - (20511)	7200000 - CTP	39,655	0	0	0	0	0	0
(67)Project Delivery - (20511)	7200001 - CTP South 2-Lanes	(1,440,319)	0	0	0	0	0	0
(68)Traffic & Incdnt Mgmt. - (20611)	0000000 - No Project (Traffic Engineering Fees)	(160,000)	0	0	0	0	0	0
(69)Traffic & Incdnt Mgmt. - (20611)	7000000 - Systemwide Safety Improvements	(7,383,094)	0	0	0	0	0	0
Totals		(\$63,027,247)	\$0	\$0	\$0	\$0	\$0	\$0
Total FY2023 - FY2027 Capital Improvement Project Costs		\$94,540,871	\$167,874,685	\$272,696,616	\$304,058,532	\$339,261,744	\$355,063,560	\$1,438,955,137

Report contains only project costs.

Project Detail

Project Number:	7000005	Budget Year:	2023
Project Title:	Business Analytics	Manager:	Information Technology
Fund:	CIF Project	Project Partner:	N/A
Department:	NTTA-20110-Total Information Technology	Total Project Cost:	Annual Budget
Project Type:	Technology	Prior Years Cost:	

Description: Continue to build and scale the Business Analytics program as user adoption and business demands increase:
 2020 - Post-BOS BI Development, APS EOL Replacement Solution POCs
 2021 - Post-BOS BI Development, Purchase/Migrate to APS Replacement Platform
 2022 - Finalize 2021 APS EOL Replacement Migration
 2023-24 - NextGen BI - AI, Machine Learning, Streaming, and Predictive Analytics

Justification: Scaling the BI program enables NTTA to address industry challenges:
 1. Congestion Management
 2. Interoperability
 3. Public Awareness and Acceptance
 4. Connected/Automated Vehicles
 5. Managed Lanes
 6. Road Usage Charge
 7. NTTA Tolling Application Replacement

Comments: N/A

Project Forecast

Year	Total Budget
2023	\$ 395,000
2024	320,000
2025	80,000
2026	350,000
2027	150,000
	\$ 1,295,000

Project Details 2023

Account	Description	Total Amount
Expenses		
521301	Consulting/Profess Serv Tech	50,000
531651	Software	345,000
	Total Expenses:	\$ 395,000

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	7000006	Budget Year:	2023
Project Title:	PCI Compliance	Manager:	Information Technology
Fund:	CIF Project	Project Partner:	N/A
Department:	NTTA-20110-Total Information Technology	Total Project Cost:	Annual Budget
Project Type:	Technology	Prior Years Cost:	-

Description: NTTA is required to have adequate preventive and detective controls in place to satisfy compliance requirements in order to protect technology infrastructure and sensitive data by enhancing information security safeguards against evolving cyber threats. 24x7 Security monitoring and AllClearID post breach services costs are included.

Justification: In the interest of enhancing information security capabilities as well as to stay compliant with regulatory requirements, various preventive and detective control measures need to be in place.

Comments: N/A

Project Forecast
Year

	Total Budget
2023	\$ 2,053,213
2024	2,180,000
2025	2,100,000
2026	2,100,000
2027	2,100,000
	\$ 10,533,213

Project Details 2023

Account	Description	Total Amount
Expenses		
521301	Consulting/Profess Serv Tech	1,553,213
531641	Computers	500,000
	Total Expenses:	\$ 2,053,213

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	7000008	Budget Year:	2023
Project Title:	Disaster Recovery	Manager:	Information Technology
Fund:	CIF Project	Project Partner:	N/A
Department:	NTTA-20110-Total Information Technology	Total Project Cost:	Annual Budget
Project Type:	Technology	Prior Years Cost:	-

Description: Maintain and enhance the remote Disaster Recovery solution for NTTA data center.

Justification: Enhancement and the renewal of the existing DR solution to meet growth as well as to explore potential high availability solutions.

Comments: N/A

Project Forecast

Year	Total Budget
2023	\$ 5,246,906
2024	5,246,906
2025	5,246,906
2026	5,246,906
2027	5,246,906
	\$ 26,234,530

Project Details 2023

Account	Description	Total Amount
Expenses		
521301	Consulting/Profess Serv Tech	5,246,906
	Total Expenses:	\$ 5,246,906

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	7000011	Budget Year:	2023
Project Title:	Intelligent Transportation Systems Enhancements	Manager:	Information Technology
Fund:	CIF Project	Project Partner:	N/A
Department:	NTTA-20110-Total Information Technology	Total Project Cost:	Annual Budget
Project Type:	Technology	Prior Years Cost:	-

Description: Planning, design, construction and deployment of CCTV cameras, DMS signs and microwave vehicle detection systems placed at high impact locations along NTTA Roadways, and other intelligent transportation system related planned initiatives like Wrong Way Driver enhancements, replacement of Video Management System, enhancements for Lone Star Advanced Traffic Management System features

Justification: ITS Retrofit and Enhancements will include CCTV cameras. The specific locations of these cameras will address existing CCTV coverage gaps and will be selected by the Traffic and Incident Management (TIM) department from locations recommended by the ITS group based on identified traffic and incident management requirements. TIM department also has several planned improvements to the ITS system like new video analytics system, new and improved DMS signs, enhancement of advance traffic management system etc. ITS utilizes advanced technologies to improve roadway efficiencies, safety and mobility by monitoring and managing traffic and roadway operations, detecting incidents and managing the response to those incidents. The information collected via roadside technologies is utilized to decrease emergency response time and improve roadway operations.

Comments: N/A

Project Forecast

<u>Year</u>	<u>Total Budget</u>
2023	\$ 2,415,129
2024	739,678
2025	961,328
2026	961,328
2027	262,610
	<u>\$ 5,340,073</u>

Project Details 2023

<u>Account</u>	<u>Description</u>	<u>Total Amount</u>
Expenses		
521301	Consulting/Profess Serv Tech	1,101,359
531651	Software	1,113,770
541403	Infrastructure - Other	200,000
	Total Expenses:	<u>\$ 2,415,129</u>

Operating Budget Impact

<u>Budget Year</u>	<u>Exp (Rev)</u>	<u>FTE Impact</u>
None	None	None

Project Detail

Project Number:	7000016	Budget Year:	2023
Project Title:	Data Storage for images, databases and video	Manager:	Information Technology
Fund:	CIF Project	Project Partner:	N/A
Department:	NTTA-20110-Total Information Technology	Total Project Cost:	Annual Budget
Project Type:	Technology	Prior Years Cost:	

Description: NTTA systems use considerable storage to store images from the lanes to pursue transactions, databases for all applications, videos from the lanes etc.

Justification: Efficient storage and processing of data is essential to our business including pursuing ZipCash transaction, service our customers on our facilities, and running NTTA operations. These funds will be used to keep storage efficient and add storage as needed to support business growth as NTTA expand its facilities and processes transactions for other facilities in the region

Comments: N/A

Project Forecast

Year	Total Budget
2023	\$ 1,500,000
2024	2,500,000
2025	1,000,000
2026	2,500,000
2027	1,000,000
	\$ 8,500,000

Project Details 2023

Account	Description	Total Amount
Expenses		
531641	Computers	1,500,000
	Total Expenses:	\$ 1,500,000

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	7000017	Budget Year:	2023
Project Title:	EPDS Enhancements	Manager:	Information Technology
Fund:	CIF Project	Project Partner:	N/A
Department:	NTTA-20110-Total Information Technology	Total Project Cost:	Annual Budget
Project Type:	Technology	Prior Years Cost:	

Description: Continued enhancement, expansion and upgrade of Enterprise Project Delivery System (EPDS) in order to support the contract tracking and payment needs of organization.

Justification: Implement enhancements to enterprise project delivery system to add features like docuSign

Comments:

Project Forecast

Year	Total Budget
2023	-
2024	-
2025	-
2026	200,000
2027	200,000
	\$ 400,000

Project Details 2023

Account	Description	Total Amount
Expenses		
Total Expenses:		-

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	7000018	Budget Year:	2023
Project Title:	Redesign of Internet	Manager:	Information Technology
Fund:	CIF Project	Project Partner:	N/A
Department:	NTTA-20110-Total Information Technology	Total Project Cost:	Annual Budget
Project Type:	Technology	Prior Years Cost:	

Description: Redesign of NTTA corporate website (NTTA.org) to make it modern and also integrated with customer portal so that our customers can login from the home page.

Justification: It will be important for the look and feel for both websites (Corporate website and customer website) to match and also integrated log in capability for the customer is desired by business.

Comments: N/A

Project Forecast

Year	Total Budget
2023	\$ 200,000
2024	200,000
2025	200,000
2026	100,000
2027	100,000
	\$ 800,000

Project Details 2023

Account	Description	Total Amount
Expenses		
521301	Consulting/Profess Serv Tech	200,000
	Total Expenses:	\$ 200,000

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	7000021	Budget Year:	2023
Project Title:	PeopleSoft HR HCM Enhancement	Manager:	Information Technology
Fund:	CIF Project	Project Partner:	N/A
Department:	NTTA-20110-Total Information Technology	Total Project Cost:	Annual Budget
Project Type:	Technology	Prior Years Cost:	

Description: PeopleSoft HR HCM Enhancements - including ACA, new GUI interface in HR. Also Includes Contingent Worker Project and succession planning.

Justification: Federal reporting and significant Oracle application releases and any new business functions as requested by HR

Comments: N/A

Project Forecast

Year	Total Budget
2023	\$ 300,000
2024	300,000
2025	300,000
2026	300,000
2027	300,000
	\$ 1,500,000

Project Details 2023

Account	Description	Total Amount
Expenses		
521301	Consulting/Profess Serv Tech	300,000
	Total Expenses:	\$ 300,000

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	7000022	Budget Year:	2023
Project Title:	Digital Aerial Photography	Manager:	Information Technology
Fund:	CIF Project	Project Partner:	N/A
Department:	NTTA-20110-Total Information Technology	Total Project Cost:	Annual Budget
Project Type:	Technology	Prior Years Cost:	

Description: The funds will be used to provide high-resolution, aerial photography of our roadways and assets for Project Delivery and Maintenance vendors requesting imagery for their projects. The GIS team also uses it to update roadway assets.

Justification: Currently the images are updated every other year, but due to NTTA system expansion in all corridors, business needs for imagery has expanded to new images every year. Budget has been adjusted to reflect that need.

Comments: N/A

Project Forecast
Year

			Total Budget
	2023	\$	86,000
	2024		86,000
	2025		86,000
	2026		88,500
	2027		88,500
		\$	435,000

Project Details 2023

Account	Description	Total Amount
Expenses		
521301	Consulting/Profess Serv Tech	86,000
	Total Expenses:	\$ 86,000

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	7000033	Budget Year:	2023
Project Title:	Microsoft Enterprise Agreement	Manager:	Information Technology
Fund:	CIF Project	Project Partner:	N/A
Department:	NTTA-20110-Total Information Technology	Total Project Cost:	Annual Budget
Project Type:	Technology	Prior Years Cost:	

Description: Annual cost of MicroSoft Enterprise Lic. agreement and the premier support.

Justification: NTTA has an enterprise agreement with Microsoft to use their products. This fund will be utilized to make the annual payments.

Comments: N/A

Project Forecast

Year	Total Budget
2023	\$ 500,000
2024	500,000
2025	500,000
2026	500,000
2027	500,000
	\$ 2,500,000

Project Details 2023

Account	Description	Total Amount
Expenses		
531651	Software	500,000
	Total Expenses:	\$ 500,000

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	7000040	Budget Year:	2023
Project Title:	Expand Virtualization	Manager:	Information Technology
Fund:	CIF Project	Project Partner:	N/A
Department:	NTTA-20110-Total Information Technology	Total Project Cost:	Annual Budget
Project Type:	Technology	Prior Years Cost:	

Description: Virtual desktops are used by almost all consultants and remote users. This is a way to allow secure access to NTTA environment from non NTTA locations. This fund will allow us to add additional virtual desktops and also virtual servers for any new applications that we add to our data center.

Justification: Virtualization has many benefits, including more efficiency. This allows us to utilize hardware to the fullest, easily procure new servers and desktops on the fly and create a more robust and mobile environment. In addition, virtualization aids to replicate systems efficiently thus provides safer way to recover systems during disaster recovery and also reduce our physical foot print so that we don't grow out of our current data center as business needs for processing increases

Comments: N/A

Project Forecast

Year	Total Budget
2023	\$ 1,565,110
2024	1,627,714
2025	1,692,823
2026	2,000,000
2027	1,100,000
	\$ 7,985,647

Project Details 2023

Account	Description	Total Amount
Expenses		
531651	Software	1,565,110
	Total Expenses:	\$ 1,565,110

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	7000042	Budget Year:	2023
Project Title:	Computer Hardware Upgrade	Manager:	Information Technology
Fund:	CIF Project	Project Partner:	N/A
Department:	NTTA-20110-Total Information Technology	Total Project Cost:	Annual Budget
Project Type:	Technology	Prior Years Cost:	

Description: This fund will be used to perform essential upgrades of various hardware in order to enhance capabilities within the data center.

Justification: It is critical to stay current with evolving technologies to enhance data center operations.

Comments: N/A

Project Forecast

Year	Total Budget
2023	\$ 1,000,000
2024	2,000,000
2025	2,000,000
2026	2,000,000
2027	2,000,000
	\$ 9,000,000

Project Details 2023

Account	Description	Total Amount
Expenses		
531641	Computers	1,000,000
	Total Expenses:	\$ 1,000,000

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number: 7000050	Budget Year: 2023
Project Title: GIS Enhancement	Manager: Information Technology
Fund: CIF Project	Project Partner: N/A
Department: NTTA-20110-Total Information Technology	Total Project Cost: Annual Budget
Project Type: Technology	Prior Years Cost:

Description: Continue to build and scale GIS to meet business demands by adding the following technologies:

1. Field Collection
2. Asset Management: Asset Works/GIS Integration
3. Real-time Data for GIS
4. GIS Architecture Expansion
5. GIS Data Management
6. GIS 2.0

Justification:

1. Enhanced field data collection of roadway assets above and below ground
2. Working with AssetWorks to fully integrate GIS & AssetWorks. POC to test City Works asset management functionality against our current Asset Works solution
3. ESRI software enhancement to add real-time data feeds to our GIS solution, similar to PA Turnpike's accident response solution. (Integrating Waze, Traffic Sensor Data, etc)
4. Moving to an enterprise platform to add more functionality, support more users, and enhance end user experience
5. POC of Safe Software's data integration platform (FME) for spatial data to better connect systems, transform data, and automate workflows
6. Next Generation GIS - AI/Alexa & LiDAR/3D Modeling

Comments: N/A

Project Forecast Year	Total Budget
2023	\$ 450,000
2024	355,000
2025	330,000
2026	330,000
2027	330,000
	\$ 1,795,000

Project Details 2023		Total Amount
Account	Description	
Expenses		
521301	Consulting/Profess Serv Tech	250,000
531641	Computers	100,000
531651	Software	100,000
	Total Expenses:	\$ 450,000

Operating Budget Impact		
Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	7000054	Budget Year:	2023
Project Title:	Service Desk Software Enhancements	Manager:	Information Technology
Fund:	CIF Project	Project Partner:	N/A
Department:	NTTA-20110-Total Information Technology	Total Project Cost:	Annual Budget
Project Type:	Technology	Prior Years Cost:	

Description: Enhancement of Service Desk software provides capabilities to streamline the support for the end users.

Justification: A fully functional Service Desk supporting system is essential as the end user technologies requirements are constantly evolving.

Comments: N/A

Project Forecast

Year	Total Budget
2023	\$ 576,000
2024	576,000
2025	576,000
2026	576,000
2027	576,000
	\$ 2,880,000

Project Details 2023

Account	Description	Total Amount
Expenses		
521201	Consulting/Professional	276,000
531651	Software	300,000
	Total Expenses:	\$ 576,000

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	7000064	Budget Year:	2023
Project Title:	Board Room Video/Presentation Enhancement	Manager:	Information Technology
Fund:	CIF Project	Project Partner:	N/A
Department:	NTTA-20110-Total Information Technology	Total Project Cost:	Annual Budget
Project Type:	Technology	Prior Years Cost:	

Description: This fund will be used to enhance presentation or visual capabilities within the conference/board conference room.

Justification: It is important to upgrade technologies capabilities within the conference/board room areas.

Comments: N/A

Project Forecast

Year	Total Budget
2023	\$ 250,000
2024	100,000
2025	100,000
2026	100,000
2027	100,000
	\$ 650,000

Project Details 2023

Account	Description	Total Amount
Expenses		
541403	Infrastructure - Other	250,000
	Total Expenses:	\$ 250,000

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	7000068	Budget Year:	2023
Project Title:	National IOP	Manager:	Information Technology
Fund:	CIF Project	Project Partner:	N/A
Department:	NTTA-20110-Total Information Technology	Total Project Cost:	Annual Budget
Project Type:	Technology	Prior Years Cost:	-

Description: Funds will be used for developing HUB and NTTA back office to connect to South East, West and North East HUBs as we progress towards National Interoperability.

Justification: Allows for enhancements to the Central States HUB and to the back office system to enable to connect with additional HUBs and also testing with other agencies and creating any processes and reporting.

Comments: N/A

Project Forecast

Year	Total Budget
2023	\$ 1,000,000
2024	1,000,000
2025	1,000,000
2026	1,000,000
2027	1,000,000
	\$ 5,000,000

Project Details 2023

Account	Description	Total Amount
Expenses		
521301	Consulting/Profess Serv Tech	1,000,000
	Total Expenses:	\$ 1,000,000

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	7000070	Budget Year:	2023
Project Title:	Multi-Channel Communications - CSC	Manager:	Information Technology
Fund:	CIF Project	Project Partner:	N/A
Department:	NTTA-20110-Total Information Technology	Total Project Cost:	Annual Budget
Project Type:	Technology	Prior Years Cost:	-

Description: Add and enhance Call Center system functionality to meet CSC needs.

- Justification:**
- * Voice assessment
 - * Remote Call Centers
 - * MPLS Communication
 - * Tokenization
 - * IVR Script Improvements
 - * Workforce Management Improvements
 - * Quality Monitoring Improvements
 - * Multi-Channel Applications (twitter,facebook,web chat)
 - * Inbound Channel line increase
 - * Infrastructure
 - * Phones/Softphones
 - * Licensing
 - * Software Upgrades

Comments: N/A

Project Forecast

Year	Total Budget
2023	\$ 1,600,000
2024	2,500,000
2025	1,100,000
2026	2,000,000
2027	1,100,000
	\$ 8,300,000

Project Details 2023

Account	Description	Total Amount
Expenses		
521301	Consulting/Profess Serv Tech	1,000,000
531641	Computers	300,000
531651	Software	300,000
	Total Expenses:	\$ 1,600,000

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	7000071	Budget Year:	2023
Project Title:	LoneStar Module Expansion	Manager:	Information Technology
Fund:	CIF Project	Project Partner:	N/A
Department:	NTTA-20110-Total Information Technology	Total Project Cost:	Annual Budget
Project Type:	Technology	Prior Years Cost:	

Description: Lonestar is the advanced traffic amnagement system used by Traffic and Incident management team. These funds will be used to expand features and functionality of the LoneStar Modules to meet the business needs.

Justification: Modules include new functionality for Lane Closure and advanced Wrong Way Driver functionality etc. to support the needs for Traffic and Incident management team.

Comments: N/A

Project Forecast

Year	Total Budget
2023	\$ 175,000
2024	175,000
2025	175,000
2026	175,000
2027	175,000
	\$ 875,000

Project Details 2022

Account	Description	Total Amount
Expenses		
521301	Consulting/Profess Serv Tech	175,000
	Total Expenses:	\$ 175,000

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	7000081	Budget Year:	2023
Project Title:	eProcurement Project Workflow Tracker	Manager:	Information Technology
Fund:	CIF Project	Project Partner:	N/A
Department:	NTTA-20110-Total Information Technology	Total Project Cost:	Annual Budget
Project Type:	Technology	Prior Years Cost:	

Description: This project allows for making the PO process efficient and integrated with contract management application.

Justification: Requested by procurement department to reduce paperwork and multiple rounds of signatures to make the procurement process efficient.

Comments: N/A

Project Forecast

<u>Year</u>	<u>Total Budget</u>
2023	-
2024	300,000
2025	100,000
2026	-
2027	-
	\$ 400,000

Project Details 2023

<u>Account</u>	<u>Description</u>	<u>Total Amount</u>
Expenses		
Total Expenses:		-

Operating Budget Impact

<u>Budget Year</u>	<u>Exp (Rev)</u>	<u>FTE Impact</u>
None	None	None

Project Detail

Project Number:	7000086	Budget Year:	2023
Project Title:	NTTA Employee Portal	Manager:	Information Technology
Fund:	CIF Project	Project Partner:	N/A
Department:	NTTA-20110-Total Information Technology	Total Project Cost:	Annual Budget
Project Type:	Technology	Prior Years Cost:	

Description: Replace the legacy Intranet site with a new employee portal.

Justification: Intranet Site is in need of several functional enhancements to allow for better collaboration between NTTA staff and various departments.

Comments: N/A

Project Forecast

Year	Total Budget
2023	\$ 350,000
2024	250,000
2025	200,000
2026	-
2027	-
	\$ 800,000

Project Details 2023

Account	Description	Total Amount
Expenses		
521301	Consulting/Profess Serv Tech	300,000
531651	Software	50,000
	Total Expenses:	\$ 350,000

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	7000110	Budget Year:	2023
Project Title:	Enterprise Content Management	Manager:	Information Technology
Fund:	CIF Project	Project Partner:	N/A
Department:	NTTA-20110-Total Information Technology	Total Project Cost:	Annual Budget
Project Type:	Technology	Prior Years Cost:	

Description: Requests by the organization to deploy an Enterprise Content Management Tool.

Justification: 100k for Asset works will be used for SaaS implementation of the product currently being used by Project Delivery Team.

Comments: N/A

Project Forecast

Year	Total Budget
2023	\$ 400,000
2024	300,000
2025	200,000
2026	200,000
2027	-
	\$ 1,100,000

Project Details 2023

Account	Description	Total Amount
Expenses		
521301	Consulting/Profess Serv Tech	300,000
531651	Software	100,000
	Total Expenses:	\$ 400,000

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	7000112	Budget Year:	2023
Project Title:	Contract Management System	Manager:	Information Technology
Fund:	CIF Project	Project Partner:	N/A
Department:	NTTA-20110-Total Information Technology	Total Project Cost:	Annual Budget
Project Type:	Technology	Prior Years Cost:	

Description: Funds will be used to implement a contract management system that replaces the current manual monitoring of contracts by procurement.

Justification: Current manual processes are cumbersome and not efficient. New system will automate the contract management workflow and allow for better tracking of all contracts.

Comments: N/A

Project Forecast

Year	Total Budget
2023	-
2024	-
2025	270,000
2026	150,000
2027	-
	\$ 420,000

Project Details 2023

Account	Description	Total Amount
Expenses		
Total Expenses:		-

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	7000115	Budget Year:	2023
Project Title:	C*Cure Facility Access System	Manager:	Information Technology
Fund:	CIF Project	Project Partner:	N/A
Department:	NTTA-20110-Total Information Technology	Total Project Cost:	Annual Budget
Project Type:	Technology	Prior Years Cost:	

Description: Upgrade of the technology for Facility Access system.

Justification: Facility access system managed secure access to all doors for NTTA facilities including walk-in customer service centers. This fund will be used to upgrade the technology.

Comments: N/A

Project Forecast

Year	Total Budget
2023	\$ 50,000
2024	50,000
2025	50,000
2026	50,000
2027	50,000
	\$ 250,000

Project Details 2023

Account	Description	Total Amount
Expenses		
521301	Consulting/Profess Serv Tech	50,000
	Total Expenses:	\$ 50,000

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	7000116	Budget Year:	2023
Project Title:	Backup System	Manager:	Information Technology
Fund:	CIF Project	Project Partner:	N/A
Department:	NTTA-20110-Total Information Technology	Total Project Cost:	Annual Budget
Project Type:	Technology	Prior Years Cost:	

Description: This fund will be used to enhance capabilities for the backup system.

Justification: System Backups are critical to system recovery incase of failures. It is critical to stay current with evolving technologies to enhance backup operations and keep them efficient so that they do not impact the system uptime.

Comments: N/A

Project Forecast

Year	Total Budget
2023	\$ 475,000
2024	475,000
2025	475,000
2026	500,000
2027	520,000
	\$ 2,445,000

Project Details 2023

Account	Description	Total Amount
Expenses		
521301	Consulting/Profess Serv Tech	275,000
531641	Computers	100,000
531651	Software	100,000
	Total Expenses:	\$ 475,000

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	7000117	Budget Year:	2023
Project Title:	Lane System Assessment and Pilot projects with emerging technologies	Manager:	Information Technology
Fund:	CIF Project	Project Partner:	N/A
Department:	NTTA-20110-Total Information Technology	Total Project Cost:	Annual Budget
Project Type:	Technology	Prior Years Cost:	-

Description: This fund will be used to assess the condition of the aging lane equipment and conduct lane audits to determine the replacement need for the aging lane equipment. This fund will also be used to conduct pilot studies with new technologies like connected vehicles, in vehicle transponders etc that are becoming prevalent in the toll industry.

Justification: It is critical to stay current with evolving technologies to enhance roadway operations. It is also important to constantly assess lane system health to determine the best and optimal use for CIF fund.

Comments: N/A

Project Forecast

Year	Total Budget
2023	\$ 1,000,000
2024	5,200,000
2025	2,000,000
2026	1,300,000
2027	500,000
	\$ 10,000,000

Project Details 2023

Account	Description	Total Amount
Expenses		
521301	Consulting/Profess Serv Tech	1,000,000
	Total Expenses:	\$ 1,000,000

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	7000128	Budget Year:	2023
Project Title:	CSC Queue Mgmt and Appointments	Manager:	Information Technology
Fund:	CIF Project	Project Partner:	N/A
Department:	NTTA-20110-Total Information Technology	Total Project Cost:	Annual Budget
Project Type:	Technology	Prior Years Cost:	

Description: The contracts for customer appointment and customer queuing at the stores will be re-procured and integrated with both new back office and new corporate website

Justification: Contracts are expiring and up for re-procurement

Comments: N/A

Project Forecast

Year	Total Budget
2023	\$ 400,000
2024	50,000
2025	-
2026	-
2027	-
	\$ 450,000

Project Details 2023

Account	Description	Total Amount
Expenses		
521301	Consulting/Profess Serv Tech	300,000
531641	Computers	100,000
	Total Expenses:	\$ 400,000

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	7000130	Budget Year:	2023
Project Title:	Enterprise Systems Monitoring	Manager:	Information Technology
Fund:	CIF Project	Project Partner:	N/A
Department:	NTTA-20110-Total Information Technology	Total Project Cost:	Annual Budget
Project Type:	Technology	Prior Years Cost:	

Description: This will allow us to monitor the availability and performance of systems more efficiently in order to meet the acceptable level of system up-time. This includes all data center computers and networking for Gleneagles, Equinix, and disaster recovery data centers.

Justification: This level of monitoring is critical to detect system faults and warnings to send to proper teams to take appropriate actions.

Comments: N/A

Project Forecast

Year	Total Budget
2023	\$ 600,000
2024	600,000
2025	600,000
2026	700,000
2027	800,000
	\$ 3,300,000

Project Details 2023

Account	Description	Total Amount
Expenses		
531641	Computers	600,000
	Total Expenses:	\$ 600,000

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	7000134	Budget Year:	2023
Project Title:	Back Office System	Manager:	Information Technology
Fund:	CIF Project	Project Partner:	N/A
Department:	NTTA-20110-Total Information Technology	Total Project Cost:	\$ 77,800,000
Project Type:	Technology	Prior Years Cost:	

Description: The funds will be used for enhancements to the back office toll system

Justification: The estimate includes consulting/professional fees, hardware and software costs for BOS enhancements.

Comments:

Project Forecast

Year	Total Budget
2023	\$ 4,000,000
2024	4,000,000
2025	4,000,000
2026	4,000,000
2027	400,000
	\$ 16,400,000

Project Details 2023

Account	Description	Total Amount
Expenses		
521301	Consulting/Profess Serv Tech	2,000,000
531651	Software	2,000,000
	Total Expenses:	\$ 4,000,000

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	7000172	Budget Year:	2023
Project Title:	Infrastructure Managed Services - Data Centers	Manager:	Information Technology
Fund:	CIF Project	Project Partner:	N/A
Department:	NTTA-20110-Total Information Technology	Total Project Cost:	Annual Budget
Project Type:	Technology	Prior Years Cost:	-

Description: IT Infrastructure Managed Services includes the implementation of systems and storage infrastructure along with monitoring of availability, performance, and security.

Justification: Stability, performance, and security of systems requires skilled engineers to implement and monitor critical infrastructure environments. At times NTTA procure 3rd party resources to achieve the objectives.

Comments:

Project Forecast

Year	Total Budget
2023	\$ 5,729,876
2024	5,900,000
2025	5,900,000
2026	5,900,000
2027	5,000,000
	\$ 28,429,876

Project Details 2023

Account	Description	Total Amount
Expenses		
521301	Consulting/Profess Serv Tech	5,729,876
	Total Expenses:	\$ 5,729,876

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	7000173	Budget Year:	2023
Project Title:	Cloud Expansion Project	Manager:	Information Technology
Fund:	CIF Project	Project Partner:	N/A
Department:	NTTA-20110-Total Information Technology	Total Project Cost:	Annual Budget
Project Type:	Technology	Prior Years Cost:	-

Description: The purpose of this initiative is to do a complete data center cloud assessment and feasibility studies for data center hosting on premise and all NTTA applications.

Justification: This initiative will provide us valuable information regarding potential cost/other benefits to NTTA by moving data center and applications to the cloud.

Comments:

Project Forecast

Year	Total Budget
2023	\$ 3,500,000
2024	2,500,000
2025	1,000,000
2026	3,000,000
2027	300,000
	\$ 10,300,000

Project Details 2023

Account	Description	Total Amount
Expenses		
521301	Consulting/Profess Serv Tech	500,000
531641	Computers	1,000,000
531651	Software	2,000,000
	Total Expenses:	\$ 3,500,000

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	7000174	Budget Year:	2023
Project Title:	PeopleSoft Replacement Project	Manager:	Information Technology
Fund:	CIF Project	Project Partner:	N/A
Department:	NTTA-20110-Total Information Technology	Total Project Cost:	Annual Budget
Project Type:	Technology	Prior Years Cost:	

Description: The purpose of this project is to replace the existing PeopleSoft application with an optimal solution that will satisfy business needs and provides HR and Finance functions with ease.

Justification: Explore new opportunities in the Accounting and HR application environments that can meet future NTTA business needs while providing a flexible enterprise solution.

Comments:

Project Forecast

Year	Total Budget
2023	\$ 500,000
2024	2,000,000
2025	2,000,000
2026	2,000,000
2027	-
	\$ 6,500,000

Project Details 2023

Account	Description	Total Amount
Expenses		
521301	Consulting/Profess Serv Tech	500,000
	Total Expenses:	\$ 500,000

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	7000175	Budget Year:	2023
Project Title:	Increase Equinix Data Center Applications for Risk Mitigation	Manager:	Information Technology
Fund:	CIF Project	Project Partner:	N/A
Department:	NTTA-20110-Total Information Technology	Total Project Cost:	Annual Budget
Project Type:	Technology	Prior Years Cost:	

Description: The purpose of this project is to implement site-to-site high availability or load sharing at Equinix datacenter for critical production environments, including storage, and share video with adjoining cities and counties.

Justification: While Disaster Recovery is in place, the failed over to DR site can take up to 24 hours. In an situation that has a temporary impact on data center, DR may not be the most optimal strategy, failover will provide a fall back for critical system or power failure at GE data center without any interruptions.

Comments:

Project Forecast

Year	Total Budget
2023	\$ 400,000
2024	400,000
2025	800,000
2026	500,000
2027	350,000
	\$ 2,450,000

Project Details 2023

Account	Description	Total Amount
Expenses		
531641	Computers	400,000
	Total Expenses:	\$ 400,000

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	7000176	Budget Year:	2023
Project Title:	CJIS Compliance	Manager:	Information Technology
Fund:	CIF Project	Project Partner:	N/A
Department:	NTTA-20110-Total Information Technology	Total Project Cost:	Annual Budget
Project Type:	Technology	Prior Years Cost:	

Description: This funding will be utilized to procure services from CJIS compliant third-party service provider for the CAD environment to satisfy CJIS requirements.

Justification: Only CJIS certified staff can administer this environment thus requiring us to seek CJIS compliant providers. This environment must be compliant with CJIS requirements to pass the audit.

Comments:

Project Forecast

Year	Total Budget
2023	\$ 300,000
2024	400,000
2025	300,000
2026	300,000
2027	-
	\$ 1,300,000

Project Details 2023

Account	Description	Total Amount
Expenses		
521301	Consulting/Profess Serv Tech	300,000
	Total Expenses:	\$ 300,000

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	7000177	Budget Year:	2023
Project Title:	New Debt and Cash Management Software	Manager:	Information Technology
Fund:	CIF Project	Project Partner:	N/A
Department:	NTTA-20110-Total Information Technology	Total Project Cost:	Annual Budget
Project Type:	Technology	Prior Years Cost:	-

Description: Re-procure Debt and Cash Management solution

Justification: Meet departmental needs for improved functionality and reporting of Cash and Debt Management. Initiative to support NTTA objective to remain a financially sound organization. Current software that is being used is outdated and does not have key functionalities.

Comments:

Project Forecast

Year	Total Budget
2023	\$ 100,000
2024	200,000
2025	-
2026	-
2027	-
	\$ 300,000

Project Details 2023

Account	Description	Total Amount
Expenses		
531651	Software	100,000
	Total Expenses:	\$ 100,000

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	7000179	Budget Year:	2023
Project Title:	Lockbox Replacement Assessment	Manager:	Information Technology
Fund:	CIF Project	Project Partner:	N/A
Department:	NTTA-20110-Total Information Technology	Total Project Cost:	Annual Budget
Project Type:	Technology	Prior Years Cost:	

Description: Re-procure Lockbox Vendor

Justification: Standard procurement process

Comments:

Project Forecast

Year	Total Budget
2023	\$ -
2024	500,000
2025	1,000,000
2026	-
2027	-
	\$ 1,500,000

Project Details 2023

Account	Description	Total Amount
Expenses		
Total Expenses:		-

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	7000180	Budget Year:	2023
Project Title:	CSC Print Vendor	Manager:	Information Technology
Fund:	CIF Project	Project Partner:	N/A
Department:	NTTA-20110-Total Information Technology	Total Project Cost:	Annual Budget
Project Type:	Technology	Prior Years Cost:	

Description: Select a qualified vendor to provide Customer Billing and Notification Services (CBNS) supporting NTTA's Customer Service department in the printing and distribution (e.g., US mail, email, SMS-text) of customer-related documents including Monthly Billing Statements (MBS), Monthly Account Statements (MAS), Toll Enforcement Remedies (TER)-related correspondences and marketing documentation. These services should include the ability to interface the CBNS vendor's system with NTTA's TRIPS Back Office System (BOS) for the efficient processing, distribution, and reconciliation of MBSs, MASs and customer correspondence pieces to the customer, with the ability to store these pieces electronically on the customer's account; and provide data resources and programs such as National Change of Address (NCOA) to support NTTA in keeping customer addresses current.

Justification: Reduction of call volume handled at NTTA's Call Center (CC) as well as walk-in customers serviced at NTTA's Customer Service Centers (CSC) provides overall increase CSC and CC staff productivity resulting from improved ZipCash invoice design directing customers to more self-service options for payment of invoices and assistance with invoice questions.
Technology updates to system interfaces provides improved efficiencies in volume of invoices and correspondences sent to customers and the amount of data available to reconciliation reports.

Comments:

Project Forecast

Year	Total Budget
2023	\$ 2,500,000
2024	-
2025	-
2026	-
2027	-
	\$ 2,500,000

Project Details 2023

Account	Description	Total Amount
Expenses		
521301	Consulting/Profess Serv Tech	2,500,000
	Total Expenses:	\$ 2,500,000

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	7000181	Budget Year:	2023
Project Title:	Payment Processor Replacement	Manager:	Information Technology
Fund:	CIF Project	Project Partner:	N/A
Department:	NTTA-20110-Total Information Technology	Total Project Cost:	Annual Budget
Project Type:	Technology	Prior Years Cost:	

Description: Re-procure Payment processing Vendor

Justification: Standard procurement process

Comments:

Project Forecast

Year	Total Budget
2023	-
2024	-
2025	500,000
2026	2,000,000
2027	-
	\$ 2,500,000

Project Details 2023

Account	Description	Total Amount
Expenses		

Total Expenses:

-

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	7000183	Budget Year:	2023
Project Title:	CSC Business Continuity	Manager:	Information Technology
Fund:	CIF Project	Project Partner:	N/A
Department:	NTTA-20110-Total Information Technology	Total Project Cost:	Annual Budget
Project Type:	Technology	Prior Years Cost:	-

Description: The purpose of this initiative is to explore business continuity opportunities including end user solutions for CSC.

Justification: Current on-perm operations lack adequate business continuity plan which will add more flexibility in providing customer support services.

Comments:

Project Forecast

Year	Total Budget
2023	\$ 1,075,000
2024	275,000
2025	275,000
2026	275,000
2027	275,000
	\$ 2,175,000

Project Details 2023

Account	Description	Total Amount
Expenses		
521301	Consulting/Profess Serv Tech	100,000
531641	Computers	900,000
531651	Software	75,000
	Total Expenses:	\$ 1,075,000

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	7000184	Budget Year:	2023
Project Title:	Planned Collection Initiatives	Manager:	Information Technology
Fund:	CIF Project	Project Partner:	N/A
Department:	NTTA-20110-Total Information Technology	Total Project Cost:	Annual Budget
Project Type:	Technology	Prior Years Cost:	-

Description: New planned collection initiatives to include alternate payment channels, affidavit process, civil lawsuits, ZipCash service providers, credit reporting, Expand transaction processing for other agencies etc.

Justification: To strategically expand transaction processing beyond North Texas for better customer service and improve collection results that would meet/exceed current service level agreements.

Comments:

Project Forecast

Year	Total Budget
2023	\$ 6,400,000
2024	2,600,000
2025	1,400,000
2026	1,400,000
2027	1,400,000
	\$ 13,200,000

Project Details 2023

Account	Description	Total Amount
Expenses		
521301	Consulting/Profess Serv Tech	6,400,000
	Total Expenses:	\$ 6,400,000

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	7000187	Budget Year:	2023
Project Title:	Semafone	Manager:	Information Technology
Fund:	CIF Project	Project Partner:	N/A
Department:	NTTA-20110-Total Information Technology	Total Project Cost:	Annual Budget
Project Type:	Technology	Prior Years Cost:	-

Description: Semafone solution help protects customer credit card data and reduce systems that are in-scope for with Payment Card Industry (PCI) compliance. It protects credit card number received over the phone call with an agent or entered through the IVR from reaching the NTTA systems.

Justification: Semafone solution provides the following benefits:

1. Avoids credit cards flowing through our applications and databases
2. Reduce risk by not storing or having access to credit cards
3. Reduce the number of in-scope systems for PCI

Comments:

Project Forecast

Year	Total Budget
2023	\$ 200,000
2024	200,000
2025	200,000
2026	200,000
2027	200,000
	\$ 1,000,000

Project Details 2023

Account	Description	Total Amount
Expenses		
531651	Software	200,000
	Total Expenses:	\$ 200,000

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	7000188	Budget Year:	2023
Project Title:	Expand Parking Using TollTag	Manager:	Information Technology
Fund:	CIF Project	Project Partner:	N/A
Department:	NTTA-20110-Total Information Technology	Total Project Cost:	Annual Budget
Project Type:	Technology	Prior Years Cost:	-

Description: Expand Parking in the region - event parking, state fair, Rangers, etc. using TollTag.

Justification: Initiative to support NTTA objective to be a customer-driven organization.

Comments:

Project Forecast

Year	Total Budget
2023	\$ 300,000
2024	200,000
2025	100,000
2026	-
2027	-
	\$ 600,000

Project Details 2023

Account	Description	Total Amount
Expenses		
521201	Consulting/Professional	300,000
	Total Expenses:	\$ 300,000

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	7000190	Budget Year:	2023
Project Title:	Next Gen Tags	Manager:	Information Technology
Fund:	CIF Project	Project Partner:	N/A
Department:	NTTA-20110-Total Information Technology	Total Project Cost:	Annual Budget
Project Type:	Technology	Prior Years Cost:	-

Description: Explore options for next generation TollTag

Justification: Initiative to support NTTA objective to be a customer-driven organization, to remain a financially sound organization and help deliver transportation solutions.

Comments:

Project Forecast

Year	Total Budget
2023	\$ 50,000
2024	100,000
2025	500,000
2026	-
2027	-
	\$ 650,000

Project Details 2023

Account	Description	Total Amount
Expenses		
521301	Consulting/Profess Serv Tech	50,000
	Total Expenses:	\$ 50,000

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	7000194	Budget Year:	2023
Project Title:	Enterprise Applications Helpdesk	Manager:	Information Technology
Fund:	CIF Project	Project Partner:	N/A
Department:	NTTA-20110-Total Information Technology	Total Project Cost:	Annual Budget
Project Type:	Technology	Prior Years Cost:	-

Description: Enterprise Application 24*7 Helpdesk to support critical applications for our Roadways and Safety Operations Center and our Maintenance teams

Justification: Various applications support our Safety Operations Center which is a 24*7 operation. Current staff structure does not support a dedicated support staff that is a request from the business customer. List of applications include Video Management System, DMS Boards, Instant Connect for DPS radio, Lone Start (Wrong Way driver, lane closure system), Generator systems. Additionally the 5 year capital plan assumes addition of new DMS boards, CCTV cameras (increased integration with Video management system), Travel and Blue tooth sensor systems, Asset Management systems, fleet management systems to support the maintenance teams. This team will be a single point contact, provide ticket triaging, work with other IT teams like network, IT roadways, communications and infrastructure teams to resolve issues. This team will also be responsible for downtime reporting for these critical systems.

Comments:

Project Forecast

Year	Total Budget
2023	\$ 500,000
2024	500,000
2025	500,000
2026	500,000
2027	500,000
	\$ 2,500,000

Project Details 2023

Account	Description	Total Amount
Expenses		
521301	Consulting/Profess Serv Tech	500,000
	Total Expenses:	\$ 500,000

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	7000195	Budget Year:	2023
Project Title:	IT General Operations Consultant	Manager:	Information Technology
Fund:	CIF Project	Project Partner:	N/A
Department:	NTTA-20110-Total Information Technology	Total Project Cost:	Annual Budget
Project Type:	Technology	Prior Years Cost:	-

Description: IT General operations consultant

Justification: Similar to GEC for project delivery department, IT General Operations Consultant will will support IT department with budgeting, project management, project prioritization and resource allocation to ensure the success of NTTA projects.

Comments:

Project Forecast

Year	Total Budget
2023	\$ 1,000,000
2024	1,000,000
2025	1,000,000
2026	1,000,000
2027	1,000,000
	\$ 5,000,000

Project Details 2023

Account	Description	Total Amount
Expenses		
521201	Consulting/Professional	1,000,000
	Total Expenses:	\$ 1,000,000

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	7000196	Budget Year:	2023
Project Title:	Maintenance Fleet Telematics	Manager:	Information Technology
Fund:	CIF Project	Project Partner:	N/A
Department:	NTTA-20110-Total Information Technology	Total Project Cost:	Annual Budget
Project Type:	Technology	Prior Years Cost:	-

Description: Software as a Service product to support and monitor Maintenance department fleet

Justification: NTTA operates approximately 348 vehicles and 787 equipment assets. In order to maintain our fleet and make informed business decisions it is important that we have information on how our fleet is being operated. A fleet telematics solution provides a wide array of capability not only for the Fleet division but also our customers that operate our vehicle and equipment assets. This capability ranges from GPS location, geofencing, and tracking to vehicle specific data such as meter readings, vehicle usage, idle/operating hours, vehicle/driver profile, and diagnostic trouble codes.

Comments:

Project Forecast

Year	Total Budget
2023	\$ 250,000
2024	-
2025	-
2026	-
2027	-
	\$ 250,000

Project Details 2023

Account	Description	Total Amount
Expenses		
521301	Consulting/Profess Serv Tech	250,000
	Total Expenses:	\$ 250,000

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	7001252	Budget Year:	2023
Project Title:	Windows Server Upgrade - New Operating System Versions	Manager:	Information Technology
Fund:	CIF Project	Project Partner:	N/A
Department:	NTTA-20110-Total Information Technology	Total Project Cost:	Annual Budget
Project Type:	Technology	Prior Years Cost:	

Description: New computers and operating systems for planned projects.

Justification: It is critical to upgrade the computer hardware to achieve the performance and availability associated with the business needs and remain compliant with security.

Comments: N/A

Project Forecast

Year	Total Budget
2023	\$ 800,000
2024	700,000
2025	500,000
2026	500,000
2027	500,000
	\$ 3,000,000

Project Details 2023

Account	Description	Total Amount
Expenses		
531641	Computers	800,000
	Total Expenses:	\$ 800,000

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	7001253	Budget Year:	2023
Project Title:	Command Center Radio Upgrade	Manager:	Information Technology
Fund:	CIF Project	Project Partner:	N/A
Department:	NTTA-20110-Total Information Technology	Total Project Cost:	Annual Budget
Project Type:	Technology	Prior Years Cost:	

Description: Enhance or add to the Radio Communications System used by the Safety Operations Center (SOC).

Justification:

- * Upgrade Cisco Instant Connect Dispatching Software
- * Upgrade Motorola Radio Dispatch Consoles
- * Software maintenance support

Comments: N/A

Project Forecast

Year	Total Budget
2023	\$ 1,000,000
2024	300,000
2025	1,000,000
2026	300,000
2027	1,000,000
	\$ 3,600,000

Project Details 2023

Account	Description	Total Amount
Expenses		
521301	Consulting/Profess Serv Tech	350,000
531641	Computers	325,000
531651	Software	325,000
	Total Expenses:	\$ 1,000,000

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	1000835	Budget Year:	2023
Project Title:	Systemwide Facility Improvements	Manager:	Maintenance
Fund:	CIF Project	Project Partner:	N/A
Department:	NTTA-20200-Total Maintenance	Total Project Cost:	Annual Budget
Project Type:	Facilities/Roadway	Prior Years Cost:	

Description: Major building modifications and/or expansion. Building repairs or component/equipment replacements. Projects include roof repairs, HVAC equipment repairs and structural repairs.

Justification: Buildings are modified or expanded as NTTA system expands. Annual inspections are conducted to identify any improvements required.

Comments: 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.

Project Forecast

Year	Total Budget
2023	\$ 4,407,107
2024	3,730,000
2025	3,050,000
2026	4,350,000
2027	1,050,000
	\$ 16,587,107

Project Details 2023

Account	Description	Total Amount
Expenses		
541301	Buildings	4,407,107
	Total Expenses:	\$ 4,407,107

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	1000042	Budget Year:	2023
Project Title:	General Engineering	Manager:	Project Delivery
Fund:	CIF Project	Project Partner:	N/A
Department:	NTTA-20510-Total Project Delivery	Total Project Cost:	
Project Type:	Facilities/Roadway	Prior Years Cost:	

Description: Professional services providing project management oversight for the planning and design of routine maintenance and repair/rehab projects, the annual 5-year RMF and CIF budget development, asset management and other duties to support the Project Delivery and Maintenance Departments.

Justification: To maintain NTTA assets to the Board-approved level of quality and ultimately the safety of NTTA's customers.

Comments: N/A

Project Forecast

Year	Total Budget
2023	\$ 250,000
2024	250,000
2025	250,000
2026	250,000
2027	250,000
	\$ 1,250,000

Project Details 2023

Account	Description	Total Amount
Expenses		
521213	General Engineering	250,000
	Total Expenses:	\$ 250,000

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	1000045	Budget Year:	2023
Project Title:	Sand Stockpile	Manager:	Project Delivery
Fund:	CIF Project	Project Partner:	N/A
Department:	NTTA-20510-Total Project Delivery	Total Project Cost:	
Project Type:	Facilities/Roadway	Prior Years Cost:	

Description: Construct or improve operational function of the Maintenance operation facilities, sand and salt stockpiles, and storage areas.

Justification: To provide or improve emergency response during inclement weather to maintain and enhance traffic safety.

Comments: N/A

Project Forecast

Year	Total Budget
2023	\$ 2,000,000
2024	-
2025	125,000
2026	2,050,000
2027	100,000
	\$ 4,275,000

Project Details 2023

Account	Description	Total Amount
Expenses		
541401	Infrastructure Rdway/Hwy/Bridg	2,000,000
	Total Expenses:	\$ 2,000,000

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	2000000	Budget Year:	2023
Project Title:	PGBT EE	Manager:	Project Delivery
Fund:	CIF Project	Project Partner:	N/A
Department:	NTTA-20510-Total Project Delivery	Total Project Cost:	
Project Type:	Facilities/Roadway	Prior Years Cost:	

Description: Limits: SH 78 to IH-30
 Approx. 9.9 miles. Six mainlanes and intermittent 3 lane frontage roads.

Justification: Right-of-way transfers with corridor Cities and TxDOT per Project Agreements.
 Completion of LOMR with the city of Rowlett.

Comments:

<u>Year</u>	<u>Total Budget</u>
2023	\$ 50,000
2024	-
2025	-
2026	-
2027	-
	<u>\$ 50,000</u>

Project Details 2023

<u>Account</u>	<u>Description</u>	<u>Total Amount</u>
Expenses		
173003	Right of Way	50,000
	Total Expenses:	<u>\$ 50,000</u>

Operating Budget Impact

<u>Budget Year</u>	<u>Exp (Rev)</u>	<u>FTE Impact</u>
None	None	None

Project Detail

Project Number:	2000002	Budget Year:	2023
Project Title:	PGBT 4th Lane Widening	Manager:	Project Delivery
Fund:	CIF Project	Project Partner:	N/A
Department:	NTTA-20510-Total Project Delivery	Total Project Cost:	
Project Type:	Facilities/Roadway	Prior Years Cost:	

Description: Limits:
SH 183 to I -30 : 1 additional lane
I-30 to I-20 : 2 additional lanes

Justification: Contract Closeout

Comments: Estimate Level A: \$76,500,000

<u>Year</u>	<u>Total Budget</u>
2023	\$ 585,219
2024	-
2025	-
2026	-
2027	-
	<u>\$ 585,219</u>

Project Details 2023

<u>Account</u>	<u>Description</u>	<u>Total Amount</u>
Expenses		
521213	General Engineering	185,219
541401	Infrastructure Rdway/Hwy/Bridg	400,000
	Total Expenses:	<u>\$ 585,219</u>

Operating Budget Impact

<u>Budget Year</u>	<u>Exp (Rev)</u>	<u>FTE Impact</u>
None	None	None

Project Detail

Project Number:	2000005	Budget Year:	2023
Project Title:	PGBT Continuous Illumination	Manager:	Project Delivery
Fund:	CIF Project	Project Partner:	N/A
Department:	NTTA-20510-Total Project Delivery	Total Project Cost:	\$ 85,479,157
Project Type:	Facilities/Roadway	Prior Years Cost:	

Description: Project to study, design and construct continuous illumination along PGBT.

Justification: Schedule;
Design: Mid 2021-2024
Construction: 2023-2027

Comments: Estimate level E, \$85,479,157

Project Forecast

Year	Total Budget
2023	\$ 9,315,781
2024	22,417,967
2025	20,790,968
2026	20,074,593
2027	8,346,851
	\$ 80,946,160

Project Details 2023

Account	Description	Total Amount
Expenses		
521213	General Engineering	2,715,196
541401	Infrastructure	6,600,585
	Total Expenses:	\$ 9,315,781

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	2100007	Budget Year:	2023
Project Title:	DNT PH4A Bridges over U.S. 380	Manager:	Project Delivery
Fund:	CIF Project	Project Partner:	N/A
Department:	NTTA-20510-Total Project Delivery	Total Project Cost:	\$ 90,282,242
Project Type:	Facilities/Roadway	Prior Years Cost:	

Description: Limits: DNT overpass at US 380 with ramps from DNT to Northbound and Southbound service roads. Add toll gantries to the existing (closed) ramps to/from Panther Creek Parkway.

Justification: Schedule:
Construction: 2019-2023

Comments: Estimate Level A, \$90,282,242

Project Forecast
Year

			Total Budget
	2023	\$	5,417,721
	2024		561,707
	2025		-
	2026		-
	2027		-
		\$	5,979,428

Project Details 2023

Account	Description	Total Amount
Expenses		
521213	General Engineering	135,992
541401	Infrastructure	5,281,729
	Total Expenses:	\$ 5,417,721

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	2100008	Budget Year:	2023
Project Title:	DNT Phase 4B (Frontage Road)	Manager:	Project Delivery
Fund:	CIF Project	Project Partner:	Denton County
Department:	NTTA-20510-Total Project Delivery	Total Project Cost:	\$ 26,849,335
Project Type:	Facilities/Roadway	Prior Years Cost:	

Description: Approx. 8 miles: 2 lane frontage road from FM 428 to County Road 60.

Justification: Design and Construction of DNT Phase 4B frontage road in Denton and Collin Counties.
Costs are reimbursed by Denton County.

Schedule:
Construction 2020-2022
Construction Closeout 2023

Comments: Estimate level A, \$26,849,355

Project Forecast

<u>Year</u>	<u>Total Budget</u>
2023	\$ 248,025
2024	-
2025	-
2026	-
2027	-
	<u>\$ 248,025</u>

<u>Account</u>	<u>Description</u>	<u>Total Amount</u>
Expenses		
541401	Infrastructure	48,025
	Total Expenses:	<u>200,000</u>
	Total Expenses:	\$ 248,025

Operating Budget Impact

<u>Budget Year</u>	<u>Exp (Rev)</u>	<u>FTE Impact</u>
None	None	None

Project Detail

Project Number:	2100010	Budget Year:	2023
Project Title:	DNT 4B (Segment 6)	Manager:	Project Delivery
Fund:	CIF Project	Project Partner:	N/A
Department:	NTTA-20510-Total Project Delivery	Total Project Cost:	\$ 541,358,231
Project Type:	Facilities/Roadway	Prior Years Cost:	

Description: Limits: FM 428 to Grayson County. Approximately 8 miles

Justification: Build mainlanes.

Schedule:
 Planning: 2024-2025
 Design: Start 2026

Comments: Estimate Level E, \$541,358,231

Project Forecast

Year	Total Budget
2023	\$ 10,000
2024	4,684,263
2025	3,276,988
2026	12,515,796
2027	13,311,309
	\$ 33,798,356

Project Details 2023

Account	Description	Total Amount
Expenses		
521213	General Engineering	10,000
	Total Expenses:	\$ 10,000

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	2100011	Budget Year:	2023
Project Title:	DNT Widening (SRT to U.S. 380)	Manager:	Project Delivery
Fund:	CIF Project	Project Partner:	N/A
Department:	NTTA-20510-Total Project Delivery	Total Project Cost:	\$ 157,329,639
Project Type:	Facilities/Roadway	Prior Years Cost:	

Description: Limits: SRT to US 380. Adds an additional lane in each direction to DNT.

Justification: Fields Parkway improvements are reimbursable from city of Frisco per ILA.

Schedule:
 Environmental & Schematic 2019-2021
 Design 2021-2022
 Construction 2022-2025
 OTT 2025
 Landscape Maintenance 2025-2026

Comments: Estimate Level A, \$157,329,639

Project Forecast

Year	Total Budget
2023	\$ 45,256,362
2024	51,308,728
2025	33,528,277
2026	180,000
2027	60,000
	\$ 130,333,367

Project Details 2023

Account	Description	Total Amount
Expenses		
521213	General Engineering	2,261,161
531261	Utility Relocation Costs	948,750
541401	Infrastructure Rdway/Hwy/Bridg	42,046,451
	Total Expenses:	\$ 45,256,362

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	2100012	Budget Year:	2023
Project Title:	DNT Corridor Capacity Study	Manager:	Project Delivery
Fund:	CIF Project	Project Partner:	N/A
Department:	NTTA-20510-Total Project Delivery	Total Project Cost:	
Project Type:	Facilities/Roadway	Prior Years Cost:	

Description: General engineering cost to study possible improvements for the DNT from I-35E to Grayson County.

Justification: Study for safety, capacity and other operational enhancements.

Comments: N/A

Project Forecast

Year	Total Budget
2023	\$ 1,300,000
2024	900,000
2025	-
2026	-
2027	-
	\$ 2,200,000

Project Details 2023

Account	Description	Total Amount
Expenses		
521213	General Engineering	1,300,000
	Total Expenses:	\$ 1,300,000

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	2100013	Budget Year:	2023
Project Title:	DNT Phase 4A	Manager:	Project Delivery
Fund:	CIF Project	Project Partner:	N/A
Department:	NTTA-20510-Total Project Delivery	Total Project Cost:	\$ 395,033,542
Project Type:	Facilities/Roadway	Prior Years Cost:	

Description: Limits: DNT from north of U.S. 380 to south of FM 428. Approximately 6 miles of mainlanes.

Justification: Build northbound and southbound mainlanes.

Schedule:
 Planning: 2020-2021
 Design: 2022-2024
 Construction: 2024-2027

Comments: Estimate Level E, \$395,033,542

Project Forecast

Year	Total Budget
2023	\$ 6,323,272
2024	75,523,955
2025	103,111,063
2026	83,731,053
2027	88,952,805
	\$ 357,642,148

Project Details 2023

Account	Description	Total Amount
Expenses		
521213	General Engineering	6,323,272
	Total Expenses:	\$ 6,323,272

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	2100310	Budget Year:	2023
Project Title:	DNT South End Design Guidelines Implementation	Manager:	Project Delivery
Fund:	CIF Project	Project Partner:	N/A
Department:	NTTA-20510-Total Project Delivery	Total Project Cost:	
Project Type:	Facilities/Roadway	Prior Years Cost:	

Description: Limits: North of I-35E to south of I-635.
Includes replacement of illumination, installation of bridge & ROW fencing, slope stabilization, landscape & irrigation improvements.

Justification: This project will start after the completion of the DNT Corridor Capacity study.

Comments: N/A

Project Forecast

Year	Total Budget
2023	-
2024	-
2025	1,700,293
2026	14,049,111
2027	8,355,271
	\$ 24,104,675

Project Details 2023

Account	Description	Total Amount
Expenses		
Total Expenses:		-

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	2500003	Budget Year:	2023
Project Title:	SRT Widening	Manager:	Project Delivery
Fund:	CIF Project	Project Partner:	N/A
Department:	NTTA-20510-Total Project Delivery	Total Project Cost:	\$ 191,526,343
Project Type:	Facilities/Roadway	Prior Years Cost:	

Description: Limits: Denton Tap Rd to US 75.
Adds an additional lane in each direction to SRT.

Justification: Schedule:
Landscape maintenance: 2023

Comments: Estimate Level A, \$191,526,343

Project Forecast

Year	Total Budget
2023	\$ 556,000
2024	-
2025	-
2026	-
2027	-
	\$ 556,000

Project Details 2023

Account	Description	Total Amount
Expenses		
521213	General Engineering	50,000
541401	Infrastructure Rdway/Hwy/Bridg	506,000
	Total Expenses:	\$ 556,000

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	2500004	Budget Year:	2023
Project Title:	SRT Continuous Illumination	Manager:	Project Delivery
Fund:	CIF Project	Project Partner:	N/A
Department:	NTTA-20510-Total Project Delivery	Total Project Cost:	\$ 41,956,834
Project Type:	Facilities/Roadway	Prior Years Cost:	-

Description: Project to study, design and construct continuous illumination along the Sam Rayburn Tollway

Justification: Schedule:
 Design: Late 2023-2024
 Construction: 2025-2027

Comments: Estimate Level E, \$41,956,834

Project Forecast

Year	Total Budget
2023	\$ 688,808
2024	2,296,724
2025	11,317,756
2026	13,967,014
2027	11,527,697
	\$ 39,797,999

Project Details 2023

Account	Description	Total Amount
Expenses		
521213	General Engineering	688,808
	Total Expenses:	\$ 688,808

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	2900001	Budget Year:	2023
Project Title:	360T Section 1 Improvements	Manager:	Project Delivery
Fund:	CIF Project	Project Partner:	N/A
Department:	NTTA-20510-Total Project Delivery	Total Project Cost:	
Project Type:	Facilities/Roadway	Prior Years Cost:	

Description: Limits: North of Camp Wisdom Road to US 287.
ROW survey and transfer per terms of ILA.
Turf improvements, landscape and irrigation improvement, and maintenance.

Justification: This section of 360 requires these improvements to bring up to NTTA standards.

Comments:

Project Forecast

Year	Total Budget
2023	\$ 50,000
2024	1,450,000
2025	1,250,000
2026	15,276,600
2027	7,853,098
	\$ 25,879,698

Project Details 2023

Account	Description	Total Amount
Expenses		
541402	Infrastructure Right -of -Way	50,000
	Total Expenses:	\$ 50,000

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	2900002	Budget Year:	2023
Project Title:	360T Section 2	Manager:	Project Delivery
Fund:	CIF Project	Project Partner:	N/A
Department:	NTTA-20510-Total Project Delivery	Total Project Cost:	
Project Type:	Facilities/Roadway	Prior Years Cost:	

Description: Limits: From US 287 to US 67 (Approximately 5.5 miles)

Justification: Schedule:
Planning start mid-2023

Comments:

Project Forecast

Year	Total Budget
2023	\$ 1,150,000
2024	2,300,000
2025	1,150,000
2026	-
2027	-
	\$ 4,600,000

Project Details 2023

Account	Description	Total Amount
Expenses		
521213	General Engineering	1,150,000
	Total Expenses:	\$ 1,150,000

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	3000000	Budget Year:	2023
Project Title:	PGBT East Branch	Manager:	Project Delivery
Fund:	CIF Project	Project Partner:	N/A
Department:	NTTA-20510-Total Project Delivery	Total Project Cost:	\$ 1,300,000,000
Project Type:	Facilities/Roadway	Prior Years Cost:	

Description: Limits: I-30 to I-20 Approximately 11.2 miles

Justification: Schedule: Planning through 2025
Design & ROW Starting 2025

Comments:

Project Forecast

Year	Total Budget
2023	\$ 2,885,108
2024	2,885,108
2025	8,947,087
2026	25,199,997
2027	38,862,600
	\$ 78,779,900

Project Details 2023

Account	Description	Total Amount
Expenses		
521213	General Engineering	2,885,108
	Total Expenses:	\$ 2,885,108

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	3900001	Budget Year:	2023
Project Title:	PGBT/360 Tollway Connector	Manager:	Project Delivery
Fund:	CIF Project	Project Partner:	N/A
Department:	NTTA-20510-Total Project Delivery	Total Project Cost:	\$ 363,347,052
Project Type:	Facilities/Roadway	Prior Years Cost:	

Description: Limits: Direct connector from PGBT to 360 Tollway along I-20.

Justification: Provide direct access from PGBT to 360 Tollway.
 Schedule:
 Planning 2023

Comments: Estimate level E, \$363,347,052

Project Forecast

Year	Total Budget
2023	\$ 2,754,642
2024	4,333,356
2025	14,593,953
2026	13,363,574
2027	49,838,633
	\$ 84,884,158

Project Details 2023

Account	Description	Total Amount
Expenses		
521213	General Engineering	2,754,642
	Total Expenses:	\$ 2,754,642

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	7000072	Budget Year:	2023
Project Title:	MSE Wall Program	Manager:	Project Delivery
Fund:	CIF Project	Project Partner:	N/A
Department:	NTTA-20510-Total Project Delivery	Total Project Cost:	
Project Type:	Facilities/Roadway	Prior Years Cost:	

Description: Retaining wall rehabilitation

Justification: Rehabilitation of MSE retaining walls systemwide

Comments:

Project Forecast

Year	Total Budget
2023	\$ 14,966,000
2024	24,276,000
2025	23,046,000
2026	11,615,000
2027	9,455,000
	\$ 83,358,000

Project Details 2023

Account	Description	Total Amount
Expenses		
541401	Infrastructure Rdway/Hwy/Bridg	14,966,000
	Total Expenses:	\$ 14,966,000

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	7200000	Budget Year:	2023
Project Title:	CTP	Manager:	Project Delivery
Fund:	CIF Project	Project Partner:	N/A
Department:	NTTA-20510-Total Project Delivery	Total Project Cost:	
Project Type:	Facilities/Roadway	Prior Years Cost:	

Description: Approx 27.7 miles - IH-30 to US 67, IH-30 to Altamesa - Six mainlanes.
 Altamesa Blvd to FM1187 - Four mainlanes.
 FM 1187 to US 67 - Two mainlanes

Justification: Right of way transfers with corridor Cities and TxDOT per Project Agreements

Comments:

Project Forecast

Year	Total Budget
2023	\$ 150,000
2024	50,000
2025	-
2026	-
2027	-
	\$ 200,000

Project Details 2023

Account	Description	Total Amount
Expenses		
541402	Infrastructure Right -of -Way	150,000
	Total Expenses:	\$ 150,000

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	7200001	Budget Year:	2023
Project Title:	CTP South 2-lanes	Manager:	Project Delivery
Fund:	CIF Project	Project Partner:	N/A
Department:	NTTA-20510-Total Project Delivery	Total Project Cost:	\$ 239,405,563
Project Type:	Facilities/Roadway	Prior Years Cost:	-

Description: Limits: Southbound main-lanes from FM 1187 to U.S. 67.

Justification: Build 2 southbound main-lanes.
 Schedule:
 Planning: 2022-2023
 Design: 2023-2025
 Construction: 2026-2028

Comments: Estimate Level E, \$239,405,563

Project Forecast

Year	Total Budget
2023	\$ 8,609,466
2024	6,385,270
2025	4,623,150
2026	55,184,332
2027	75,987,340
	\$ 150,789,558

Project Details 2023

Account	Description	Total Amount
Expenses		
521213	General Engineering	8,609,466
	Total Expenses:	\$ 8,609,466

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	7200002	Budget Year:	2023
Project Title:	CTP Worth Creek Parkway Overpass	Manager:	Project Delivery
Fund:	CIF Project	Project Partner:	N/A
Department:	NTTA-20510-Total Project Delivery	Total Project Cost:	
Project Type:	Facilities/Roadway	Prior Years Cost:	

Description: Construction of a new cross street and ramps for Worth Creek Parkway at CTP near Tarleton State University

Justification: Schedule:
 Planning 2023
 Design 2023-2024
 Construction 2025-2026
 Design, construction and ROW are reimbursable

Comments:

Project Forecast

Year	Total Budget
2023	\$ 1,685,000
2024	1,398,300
2025	11,916,000
2026	8,393,000
2027	-
	\$ 23,392,300

Project Details 2023

Account	Description	Total Amount
Expenses		
521213	General Engineering	1,661,000
541402	Infrastructure Right -of -Way	24,000
	Total Expenses:	\$ 1,685,000

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Detail

Project Number:	7000000	Budget Year:	2023
Project Title:	Systemwide Safety Improvements	Manager:	Traffic & Incident Management
Fund:	CIF Project	Project Partner:	N/A
Department:	NTTA-20610-Total Traffic and Incident Management	Total Project Cost:	
Project Type:	Facilities/Roadway	Prior Years Cost:	

Description: Systemwide Safety Improvements are small projects, technology upgrades including upgrade of ATMs, tools, and equipment to improve the traffic flow and/or safety.

Justification: This budget provides funding to perform localized safety improvements and increased traffic flow.

Comments: N/A

Project Forecast

<u>Year</u>	<u>Total Budget</u>
2023	\$ 7,035,000
2024	17,050,000
2025	18,075,000
2026	12,270,000
2027	10,900,000
	<u>\$ 65,330,000</u>

Project Details 2023

<u>Account</u>	<u>Description</u>	<u>Total Amount</u>
Expenses		
541401	Infrastructure Rdway/Hwy/Bridg	7,035,000
	Total Expenses:	<u>\$ 7,035,000</u>

Operating Budget Impact

<u>Budget Year</u>	<u>Exp (R FTE Impact</u>
None	None None

The extension of the Dallas North Tollway over US 380 in Frisco



APPENDICES



Crews perform finishing work on concrete traffic rails for the Sam Rayburn Tollway widening project



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Appendix B – 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 Operation 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 with a resolution.

CAPITAL PLAN PROCESS

Capital plan projects are classified into four categories: Reserve Maintenance Projects, Capital Improvement Projects, NTTA System Construction Projects and Feasibility Study Projects (see Project Type and Funding Source, page 15). Each year, individual departments use the a budget module to complete project forms for new projects or update the previous year projects for revised 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 Treasury Management department creates project lists and summary reports for the four project categories. In addition, they update the long term financial plan schedules. The forms, lists, reports, and schedules are compiled to create the Five-Year Capital Plan Project Book, which is delivered to the executive management team for review and approval.

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

Operation 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 B – Capital Plan Process (continued)

Reserve Maintenance Fund is required to maintain a reserve balance of \$5.0 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 \$50.0 million as the reserve in the Capital Improvement Fund. In FY2018 an additional transfer of \$25.0 million was done to bring the reserve to a total of \$75.0 million. In the FY2023-FY2027 Capital Plan, the Authority's executive management anticipates a transfer of \$37.5 million to establish a \$125.0 million Rainy Day Fund. Use of this reserve requires specific action by the NTTA Board of Directors and is for unanticipated needs or to ensure that subordinate CIF debt payments are made.

Appendix B – Capital Plan Process

CAPITAL PLAN PROCESS FLOW



Appendix C - FY2023 Capital Plan Budget Calendar

Date	Event
April 14, 2022 (Thursday)	Executive Director's FY2023 Budget Meeting wth Assistant Executive Directors to discuss budget priorities and overall direction, including compensation and benefits
April 15, 2022 (Friday)	Budget Kickoff Meeting with Department Directors
June 10, 2022 (Friday)	Directors Approve Departmental Budgets, Decision Packages, and Capital Projects in Questica
June 17, 2022 (Friday)	Board Budget Workshop
June 17, 2022 (Friday)	AEDs Approve Departmental Budgets, Decision Packages, and Capital Projects in Questica
June 24, 2022 (Friday)	Executive Management Team Approves Departmental Budgets, Decision Packages, and Capital Projects
June 27 - July 15, 2022	Capital Plan book assembled by Treasury
September 2, 2022 (Friday)	Capital Plan book Review by Executive Management Team completed
September 16, 2022 (Friday)	Five-Year Capital Plan book delivered to Board Members
October 6, 2022 (Thursday)	Finance Audit and Administration Committee Five-Year Capital Plan First Review
October 6 - Oct. 21, 2022	Incorporate any updates to CP
November 3, 2022 (Thursday)	Finance Audit amnd Administration Committee Five-Year Capital Plan Second Review
November 16, 2022 (Wednesday)	Board Meeting Five-Year Capital Plan Approval
Assumes Thursday Committee Meetings and Wednesday Board Meetings Board events highlighted in blue	

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 \$1.0 billion or 94.7% of the total estimated revenue in the FY2023 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.

Independent traffic and revenue engineers, currently CDM Smith, provide the Authority’s traffic and toll revenue estimates. 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 5% per year between FY2023 and FY2027.

Estimated NTTA System Annual Toll Revenue						
Roadway	FY2022	FY2023	FY2024	FY2025	FY2026	
DNT	\$ 314,014,400	\$ 330,575,800	\$ 346,223,100	\$ 362,972,200	\$ 378,553,000	
PGBT	314,196,800	336,905,600	352,635,200	369,213,800	385,447,300	
AATT	1,157,300	1,314,900	1,366,600	1,416,600	1,466,400	
MCLB	1,574,400	1,703,300	1,767,700	1,834,300	1,894,100	
LLTB	12,307,200	12,822,000	13,363,600	13,939,500	14,509,900	
SRT	230,657,800	247,468,900	258,896,200	270,915,300	283,042,200	
360 Tollway	26,086,900	27,658,000	29,324,100	31,118,800	33,332,800	
PGBT WE	67,584,100	78,671,100	83,707,400	88,736,600	89,939,100	
CTP	78,198,600	82,520,900	86,839,200	92,393,500	97,764,500	
System Totals	\$ 1,045,777,500	\$ 1,119,640,500	\$ 1,174,123,100	\$ 1,232,540,600	\$ 1,285,949,300	

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	D	E	F
	First Tier Net Debt Service	Second Tier Net Debt Service	ISTEA Loan Debt Service	Subordinated Lien Bonds Debt Service	Total Net Debt Service
2022	391,275,405	202,327,663	15,322,396	8,632,627	617,558,090
2023	426,250,905	212,268,013	-	8,631,332	647,150,249
2024	447,551,323	234,150,263	-	8,636,443	690,338,028
2025	478,351,737	203,353,263	-	8,641,552	690,346,551
2026	484,103,285	197,595,513	-	8,640,533	690,339,331
2027	487,428,003	194,273,013	-	8,642,541	690,343,556
2028	502,378,733	182,092,513	-	8,646,166	693,117,411
2029	480,949,660	238,244,513	-	-	719,194,172
2030	417,613,074	302,136,869	-	-	719,749,944
2031	413,765,447	305,989,763	-	-	719,755,210
2032	456,323,880	263,431,413	-	-	719,755,293
2033	471,381,943	248,371,713	-	-	719,753,655
2034	535,092,166	184,672,513	-	-	719,764,678
2035	558,711,881	161,049,463	-	-	719,761,344
2036	584,561,811	135,202,563	-	-	719,764,374
2037	634,475,397	85,292,370	-	-	719,767,768
2038	487,732,454	83,037,363	-	-	570,769,816
2039	488,669,644	82,100,413	-	-	570,770,057
2040	490,607,882	80,176,813	-	-	570,784,695
2041	492,647,852	64,553,463	-	-	557,201,315
2042	497,358,186	60,329,763	-	-	557,687,948
2043	206,023,145	48,346,513	-	-	254,369,657
2044	191,311,799	76,068,763	-	-	267,380,562
2045	149,275,354	118,147,863	-	-	267,423,216
2046	41,588,191	114,379,863	-	-	155,968,053
2047	-	115,371,563	-	-	115,371,563
2048	-	107,643,313	-	-	107,643,313
2049	-	6,610,802	-	-	6,610,802
2050	-	-	-	-	-
2051	-	-	-	-	-
Total	\$ 10,815,429,157	\$ 4,307,217,904	\$ 15,322,396	\$ 60,471,194	\$ 15,198,440,651

Appendix F - Estimated Operating Expenditures by Account

Description	Estimated FY2023 - FY2027					
	FY2022 Budget	FY2023	FY2024	FY2025	FY2026	FY2027
Salaries and Wages-Direct - (511101)	\$47,960,753	\$48,382,773	\$49,834,256	\$51,329,284	\$52,869,162	\$54,455,237
Salaries and Wages-Internship - (511202)	0	78,410	80,762	83,185	85,681	88,251
Salaries and Wage-Overtime - (511301)	764,676	766,532	789,528	813,214	837,611	862,739
Group Insurance - (512101)	2,579,020	2,626,848	2,705,653	2,786,823	2,870,428	2,956,541
Retirement Contributions - (512401)	7,642,821	7,476,738	7,701,040	7,932,071	8,170,033	8,415,134
Tuition Reimbursement - (512501)	11,770	33,100	34,093	35,116	36,169	37,254
Unemployment Insurance - (512601)	123,661	123,661	127,371	131,192	135,128	139,182
Regional Tolling Services	(26,268,996)	(26,368,220)	(25,918,173)	(26,695,718)	(27,496,590)	(28,321,488)
Worker's Comp Ins - (512701)	251,522	251,522	259,068	266,840	274,845	283,090
Meeting Expense - (521101)	95,402	123,049	126,740	130,543	134,459	138,493
Consulting/Professional - (521201)	17,861,285	17,503,522	18,028,628	18,569,486	19,126,571	19,700,368
Legal Fees - (521202)	1,738,181	1,738,181	1,790,326	1,844,036	1,899,357	1,956,338
Auditing Fees - (521203)	185,083	185,083	190,635	196,355	202,245	208,313
Trustee Fees - (521204)	280,031	100,000	103,000	106,090	109,273	112,551
Traffic Engineering Fees - (521207)	600,000	600,000	618,000	636,540	655,636	675,305
Police Services (DPS) - (521208)	10,691,041	12,223,499	12,590,204	12,967,910	13,356,947	13,757,656
Armored Car Services - (521209)	50,142	50,142	51,646	53,196	54,792	56,435
Outside Maintenance Services - (521212)	34,740,337	43,256,330	44,554,020	45,890,640	47,267,360	48,685,381
Landscaping - (522202)	61,500	66,425	68,418	70,470	72,584	74,762
Rentals - Land - (522301)	318,752	340,000	350,200	360,706	371,527	382,673
Rentals - Equipment - (522302)	162,754	89,050	91,722	94,473	97,307	100,227
Insurance Expense - Other - (523101)	7,248,478	7,248,478	7,465,932	7,689,910	7,920,608	8,158,226
Postage - (523201)	12,900,000	15,266,478	15,724,472	16,196,207	16,682,093	17,182,555
Telecommunications - (523202)	2,154,912	2,186,100	2,251,683	2,319,233	2,388,810	2,460,475
Public Information Fees - (523203)	13,369	13,369	13,770	14,183	14,609	15,047
Recruitment - (523301)	157,820	222,000	228,660	235,520	242,585	249,863
Magazine and Newspaper - (523302)	1,618,782	1,618,782	1,667,345	1,717,366	1,768,887	1,821,953
Television & Radio - (523303)	1,250,499	1,250,499	1,288,014	1,326,654	1,366,454	1,407,448
Promotional Expenses - (523304)	1,672,490	1,624,767	1,673,510	1,723,715	1,775,427	1,828,690
Employee Appreciation - (523305)	331	54,678	56,318	58,008	59,748	61,541
Printing and Photographic - (523401)	161,266	199,911	205,908	212,086	218,448	225,002
Maps & Pamphlets - (523402)	16,155	25	26	27	27	28
Travel - (523501)	110,868	248,175	255,620	263,289	271,188	279,323
Dues & Subscriptions - (523601)	303,003	315,499	324,964	334,713	344,755	355,097
Education and Training - (523701)	171,171	288,527	297,183	306,099	315,282	324,740
Licenses - (523801)	9,664	11,839	12,194	12,560	12,937	13,325
Temporary Contract Labor - (523851)	16,173,366	17,173,366	17,688,567	18,219,224	18,765,801	19,328,775
Liability Claims - (523902)	6,182	9,800	10,094	10,397	10,709	11,030
Office Supplies - (531101)	462,910	475,336	489,596	504,284	519,412	534,995
Other Materials and Supplies - (531102)	3,757,954	5,433,628	5,596,637	5,764,536	5,937,473	6,115,597
Mobile Equipment Expense - (531103)	1,125,022	1,324,400	1,364,132	1,405,056	1,447,208	1,490,624
Freight and Express - (531105)	12,169	12,842	13,227	13,624	14,033	14,454
Motor Fuel Expense - (531107)	1,223,000	2,010,000	2,070,300	2,132,409	2,196,381	2,262,273
Water - (531211)	883,696	883,696	910,207	937,513	965,638	994,608
Gas - (531221)	29,108	29,108	29,981	30,881	31,807	32,761
Electricity - (531231)	2,288,029	2,900,000	2,987,000	3,076,610	3,168,908	3,263,976
Books & Periodicals - (531401)	250	250	258	265	273	281
Inven for resale(toll tags) - (531501)	6,200,000	6,500,000	6,695,000	6,895,850	7,102,726	7,315,807
Small Tools and Shop Supplies - (531601)	181,234	132,742	136,724	140,826	145,051	149,402
Software (Under \$5,000) - (531651)	11,584,903	10,998,434	11,328,387	11,668,238	12,018,285	12,378,834
Uniforms - (531701)	299,356	345,393	355,755	366,427	377,420	388,743
Bank Charges - (573001)	555,226	550,818	567,343	584,363	601,894	619,951
Credit Card Fees - (573002)	27,441,513	30,889,110	31,815,783	32,770,257	33,753,365	34,765,965
Totals	199,862,464	219,864,696	227,701,730	234,532,782	241,568,765	248,815,828