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READERS' ROADMAP

This Readers' Roadmap is a guide to help navigate through the North Texas Tollway Authority's FY2022 - FY2026 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 FY2022 - FY2026 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

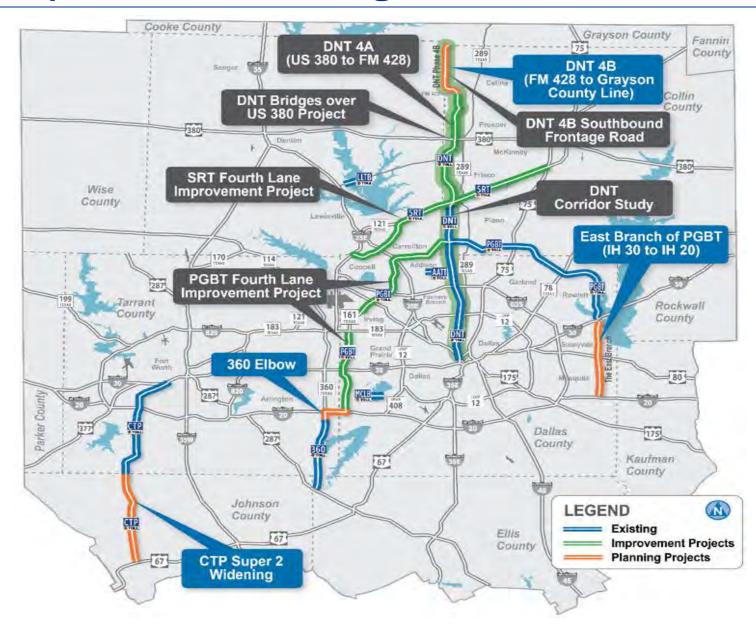
The last section contains an index that references each project name and associated page number. Also included is the Capital Plan process and documents describing the Capital Plan calendar, the major revenue sources, outstanding debt service and estimated operating expenditures.

CAPITAL PLAN OVERVIEW



North Texas Tollway Authority

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 \$5.6 billion. Approximately \$5.3 billion or 94.2% of total revenue is based on projections provided by the traffic and revenue engineers (see Major Revenue Source, pages 130-133). Approximately \$0.3 billion or 5.8% 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 7.8% per year from FY2022 through FY2026. 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 131-133).

	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	e-Year Totals 1022 - FY2026
REVENUE FUND							
Estimated Beginning Available Cash Balance	-	-	-	-	-	-	-
INFLOWS							
Estimated Toll Revenues	\$ 813,901,219	\$ 910,127,400	\$ 994,356,600	\$ 1,060,613,200	\$ 1,115,259,500	\$ 1,173,169,200	\$ 5,253,525,900
Estimated Other Revenues	40,920,150	49,243,150	64,183,527	67,538,670	68,985,324	71,200,647	321,151,318
TOTAL INFLOWS	854,821,369	959,370,550	1,058,540,127	1,128,151,870	1,184,244,824	1,244,369,847	5,574,677,218
Estimated Ending Available Cash Balance	•	-	•	-	•	-	-
Total Revenues Available for Operations	\$ 854,821,369	\$ 959,370,550	\$ 1,058,540,127	\$ 1,128,151,870	\$ 1,184,244,824	\$ 1,244,369,847	\$ 5,574,677,218

B. Operation and Maintenance (O&M)

0&M expenses for the next five years are estimated at \$1.0 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 131, and Cash Balances, page 126). A projected \$1.0 billion for O&M expense and reserve will be transferred from the Revenue Fund to the O&M Fund.

The estimated operating expenses for FY2022 are prepared by the individual departments and are expected to increase an average of 3.0% per year between FY2022 and FY2026. (See Appendix F page 135)

	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	re-Year Totals 2022 - FY2026
Total Revenues Available for Operations	\$ 854,821,369	\$ 959,370,550	\$ 1,058,540,127	\$ 1,128,151,870	\$ 1,184,244,824	\$ 1,244,369,847	\$ 5,574,677,218
OPERATION AND MAINTENANCE FUND							
Estimated Beginning Available Cash Balance	51,858,086	30,013,825	32,685,234	33,665,791	34,675,764	35,716,037	30,013,825
INFLOWS							
Transfer from Revenue Fund	158,238,690	198,782,810	202,975,301	209,064,560	215,336,497	221,796,592	1,047,955,760
Inter-Fund Transfers		-	-	-	-	-	-
TOTAL INFLOWS	158,238,690	198,782,810	202,975,301	209,064,560	215,336,497	221,796,592	1,047,955,760
OUTFLOWS							
Estimated Operating Expenses	(180,082,951)	(196,111,402)	(201,994,744)	(208,054,586)	(214,296,224)	(220,725,111)	(1,041,182,067)
TOTAL OUTFLOWS	(180,082,951)	(196,111,402)	(201,994,744)	(208,054,586)	(214,296,224)	(220,725,111)	(1,041,182,067)
Estimated Ending Available Cash Balance	30,013,825	32,685,234	33,665,791	34,675,764	35,716,037	36,787,518	36,787,518
Net Revenues Available for Debt Service	\$ 696,582,679	\$ 760,587,740	\$ 855,564,826	\$ 919,087,310	\$ 968,908,327	\$ 1,022,573,255	\$ 4,526,721,458

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 \$3.3 billion which is funded from the Revenue Fund (see Revenue Distribution, page 133). Additionally, the System assisted with the financing of the construction of the CTP through subordinated debt and the construction of the PGBT through an ISTEA loan. The subordinated debt payments total \$43.2 million and ISTEA loan payments total \$76.6 million for the next five ears. While the subordinated debt and ISTEA loan represent a portion of the NTTA System's indebtedness, they are not funded 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 adopted a more aggressive target of 1.50 times. The debt service coverage ranges from a low of 1.97 in FY2022 to a high of 2.11 in FY2026. (See page 11)

	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026		ve-Year Totals 2022 - FY2026
Net Revenues Available for Debt Service	\$ 696,582,679	\$ 760,587,740	\$ 855,564,826	\$ 919,087,310	\$ 968,908,327	\$ 1,022,573,255	\$	4,526,721,458
DEBT SERVICE FUNDS								
Estimated Beginning Available Cash Balance	-	-	-	-	-	-		-
INFLOWS								
Transfer from Capital Improvement Fund	21,226,759.47	23,955,023	23,953,728	23,958,839	23,963,948	23,962,929		119,794,467
Transfer from Revenue Fund	507,171,407	588,603,067	638,518,917	681,701,585	681,704,999	681,698,798		3,272,227,366
TOTAL INFLOWS	528,398,166	612,558,090	662,472,645	705,660,424	705,668,947	705,661,727		3,392,021,833
OUTFLOWS								
1st Tier Debt Service	(361,995,324)	(386,275,404)	(426,250,905)	(447,551,323)	(478,351,737)	(484,103,285)	1	(2,222,532,653)
2nd Tier Debt Service	(145,176,083)	(202,327,663)	(212,268,013)	(234,150,263)	(203,353,263)	(197,595,513)		(1,049,694,713)
3rd Tier Debt Service	-	-	-					
Total Debt Service	(507,171,407)	(588,603,067)	(638,518,917)	(681,701,585)	(681,704,999)	(681,698,798)		(3,272,227,366)
Capital Improvement Fund - Subordinate Debt	(3,962,140)	(8,632,627)	(8,631,332)	(8,636,443)	(8,641,552)	(8,640,533)		(43,182,487)
Capital Improvement Fund - Commercial Paper	(1,055,443)	-	-	-	-	-		-
Capital Improvement Fund - Revolving Note	(886,780)	-	-	-	-	-		-
Capital Improvement Fund - ISTEA Loan	(15,322,396)	(15,322,396)	(15,322,396)	(15,322,396)	(15,322,396)	(15,322,396)	1	(76,611,980)
TOTAL OUTFLOWS	(528,398,166)	(612,558,090)	(662,472,645)	(705,660,424)	(705,668,947)	(705,661,727)		(3,392,021,833)
Estimated Ending Available Cash Balance	-	-	-	-	-	-		-
Net Revenues Available for Major Maintenance Projects	\$ 189,411,272	\$ 171,984,673	\$ 217,045,909	\$ 237,385,725	\$ 287,203,328	\$ 340,874,458	\$	1,254,494,092
First Tier Debt Service Coverage	1.92	1.97	2.01	2.05	2.03	2.11		2.04
First & Second Tier Debt Service Coverage	1.37	1.29	1.34	1.35	1.42	1.50		1.38
All Debt Service Coverage	1.32	1.24	1.29	1.30	1.37	1.45		1.33
CIF Subordinated Debt Coverage	1.34	1.26	1.22	1.22	1.29	1.31		1.35

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).

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 FY2022 through FY2026 is \$317.4 million, an average of \$63.5 million per year. This estimate is composed of \$297.1 million of project costs (see Reserve Maintenance Projects, pages 23-42) and \$20.4 million for professional fees and allocated overhead costs.

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 131, and Cash Balances, page 126).

	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	e-Year Totals 022 - FY2026
Net Revenues Available for Reserve Maintenance Projects	\$ 189,411,272	\$ 171,984,673	\$ 217,045,909	\$ 237,385,725	\$ 287,203,328	\$ 340,874,458	\$ 1,254,494,092
RESERVE MAINTENANCE FUND							
Estimated Beginning Available Cash Balance	56,279,961	33,872,275	-	-	-	-	33,872,275
INFLOWS							
Transfer from Revenue Fund	5,873,204	29,500,995	65,177,372	63,147,995	62,447,788	63,300,193	283,574,343
TOTAL INFLOWS	5,873,204	29,500,995	65,177,372	63,147,995	62,447,788	63,300,193	283,574,343
OUTFLOWS							-
RMF Project Expenses	(26,907,082)	(59,922,461)	(61,436,554)	(58,913,668)	(58,062,776)	(58,756,962)	(297,092,421)
RMF Professional Fees and Other Expenses	(1,373,808)	(3,450,809)	(3,740,818)	(4,234,327)	(4,385,012)	(4,543,231)	(20,354,197)
RMF Salaries/Wages	=	-	-	-	=	-	-
TOTAL OUTFLOWS	(28,280,890)	(63,373,270)	(65,177,372)	(63,147,995)	(62,447,788)	(63,300,193)	(317,446,618)
Estimated Ending Available Cash Balance	33,872,275	-	-	-	-	-	-
							-
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	\$ 183,538,068	\$ 142,483,678	\$ 151,868,537	\$ 174,237,730	\$ 224,755,540	\$ 277,574,265	\$ 970,919,749

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 \$1.3 billion, which is comprised of \$1.26 billion in project costs (see Capital Improvement Projects, pages 45-121) and \$8.1 million in professional fees. The projects listed for FY2022 to FY2026 have been approved by executive management through the capital plan process (see Capital Plan process, pages 126-128). Funds for the CIF flow from the Revenue Fund to the extent there are excess revenues (see Revenue Distribution, page 133). The estimated contribution to CIF over the next five years is \$1.0 billion. Additionally, the Authority may issue bonds or commercial paper to finance capital improvement projects in FY2026. The FY2022 – FY2026 Capital Plan contains \$43.2 million for subordinated debt and \$76.6 million for ISTEA loan payments. The Authority's executive management anticipates establishing an \$87.5 million Rainy Day Fund by 2022. (see Cash Balance, pages 14 and 126).

	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	-Year Totals 122 - FY2026
Net Revenues Available for Capital Improvement Projects	\$ 183,538,068	\$ 142,483,678	\$ 151,868,537	\$ 174,237,730	\$ 224,755,540	\$ 277,574,265	\$ 970,919,749
CAPITAL IMPROVEMENT FUND							
Estimated Beginning CIF Cash Balance Available for Projects	688,414,272	505,860,293	471,763,224	404,823,769	293,949,539	195,708,429	505,860,293
INFLOWS Transfer from Revenue Fund Commercial Paper/Revolving Note Issuance Legal Settlement	183,538,068 - -	142,483,678 - -	151,868,537 - -	174,237,730	224,755,540 - -	277,574,265 - -	970,919,749 - -
Reimbursement from Prosper - US 380	-	8,000,000	-	-	-	-	8,000,000
Denton County ILA - DNT Phase 4B	14,057,605	9,442,395	-	-	-	-	9,442,395
Transfer from Construction Funds (Remaining Bond Proceeds)	-	-	-	-	-	-	-
Reimbursement from TxDOT - SH 360 Transfer from Rainy Day Fund	-	1 1	- -	-	-	- -	- -
NET INFLOWS AVAILABLE FOR CIF EXPENSES	197,595,673	159,926,073	151,868,537	174,237,730	224,755,540	277,574,265	988,362,144
OUTFLOWS							
Commercial Paper/Revolving Note Payment	(100,000,000)	-	-	-	-	-	-
CIF Project Expenses	(145,790,164)	(155,733,898)	(193,520,044)	(259,318,902)	(297,698,481)	(350,689,450)	(1,256,960,775)
CIF Consulting/Professional Fees	(1,245,205)	(1,834,220)	(1,334,220)	(1,834,220)	(1,334,220)	(1,803,440)	(8,140,320)
CIF Salaries/Wages	-	-	-	-	-	-	-
Transfer to Debt Service Funds	(15,567,830)	-	-	-	-	-	-
Transfer to NTTA System Construction Funds	-	-	-	-	-	-	-
Transfer to CIF Bond Payment Account	(27,224,057)	(8,632,627)	(8,631,332)	(8,636,443)	(8,641,552)	(8,640,533)	(43,182,487)
Transfer to Debt Service Fund for ISTEA Payment	(15,322,396)	(15,322,396)	(15,322,396)	(15,322,396)	(15,322,396)	(15,322,396)	(76,611,980)
Transfer to CIF Rainy Day Fund Account	(75,000,000)	(12,500,000)	-	-	-	-	(12,500,000)
TOTAL OUTFLOWS	(380,149,652)	(194,023,141)	(218,807,992)	(285,111,961)	(322,996,649)	(376,455,819)	(1,397,395,562)
Estimated Ending CIF Cash Balance Available for Projects	505,860,293	471,763,224	404,823,769	293,949,539	195,708,429	96,826,874	96,826,874
							-
CIF Bond Payment Account							
Estimated Beginning CIF Bond Payment Account Cash Balance	8,632,627	14,629,925	14,629,925	14,629,925	14,629,925	14,629,925	14,629,925
Transfers from CIF Cash Account	27,224,057	8,632,627	8,631,332	8,636,443	8,641,552	8,640,533	43,182,487
Transfer to Debt Service Fund for CIF Subordinated Debt Payment	(21,226,759)	(8,632,627)	(8,631,332)	(8,636,443)	(8,641,552)	(8,640,533)	(43,182,487)
Estimated Ending CIF Bond Payment Account Cash Balance	14,629,925	14,629,925	14,629,925	14,629,925	14,629,925	14,629,925	14,629,925
CIF Rainy Day Fund Account							
Estimated Beginning CIF Rainy Day Fund Account Cash Balance	-	75,000,000	87,500,000	87,500,000	87,500,000	87,500,000	75,000,000
Transfers from CIF Cash Account Transfers to CIF Cash Account	75,000,000 -	12,500,000	-	-	-	-	12,500,000
Estimated Ending CIF Rainy Day Fund Account Cash Balance	75,000,000	87,500,000	87,500,000	87,500,000	87,500,000	87,500,000	87,500,000
Estimated Ending Total CIF Cash Balances	\$ 595,490,217	\$ 573,893,149	\$ 506,953,694	\$ 396,079,463	\$ 297,838,354	\$ 198,956,799	\$ 198,956,799

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 (0&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.

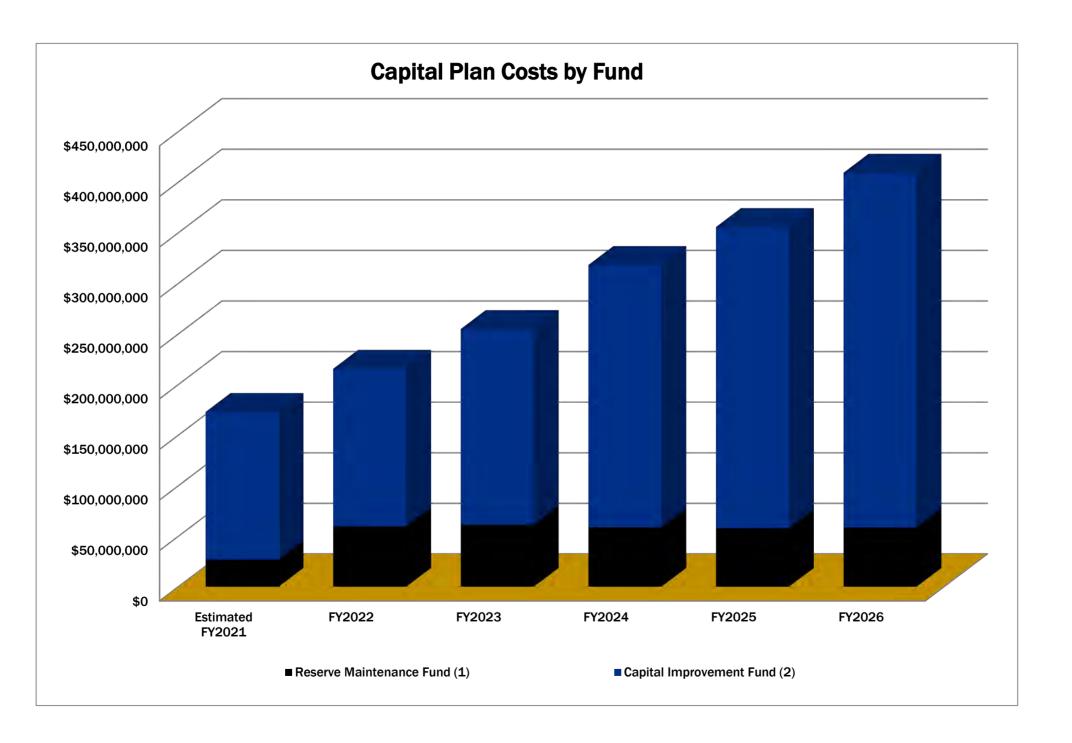
FY2022 - FY2026 CAPITAL PLAN SUMMARY PROJECT COSTS BY FUND

Project Type	Estimated FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	Five Year Total FY2022 - FY2026
Reserve Maintenance Fund (1)	\$26,907,082	\$59,922,461	\$61,436,554	\$58,913,668	\$58,062,776	\$58,756,962	\$297,092,421
Capital Improvement Fund (2)	146,072,424	155,733,898	193,520,044	259,318,902	297,698,481	350,689,450	1,256,960,775
Totals	\$172,979,506	\$215,656,359	\$254,956,598	\$318,232,570	\$355,761,257	\$409,446,412	\$1,554,053,196

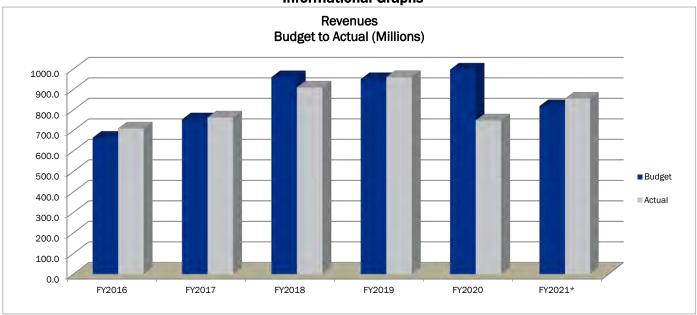
Report contains only project costs.

⁽¹⁾ List of projects see page 24-25.

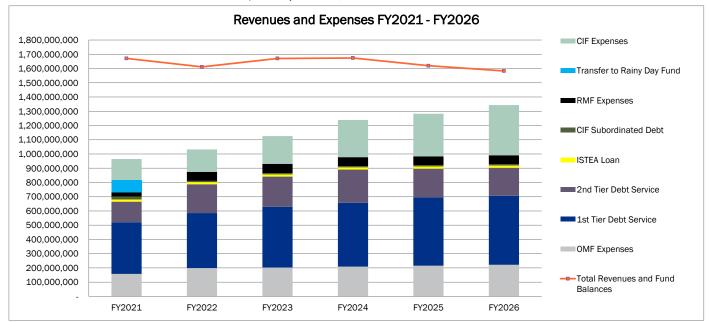
⁽²⁾ List of projects see pages 54-56.



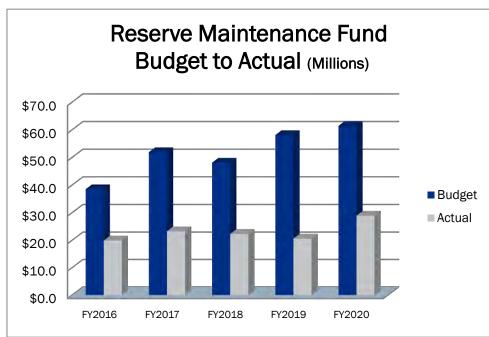




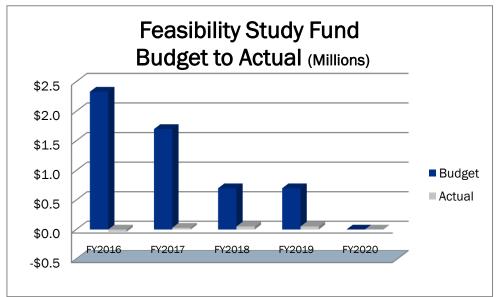
*Actual amount for FY2021 is based on estimates provided by CDM Smith, Inc.

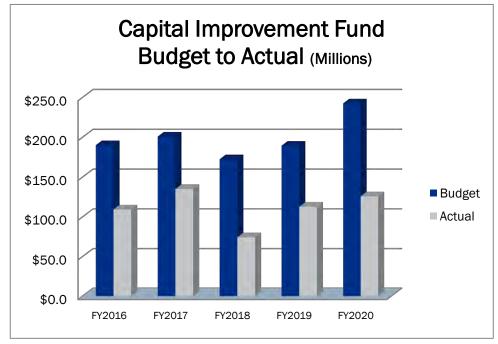


Historical Informational Graphs

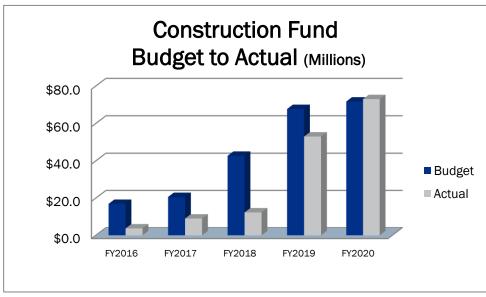


RMF Projects re-evaluated and prioritized throughout the year



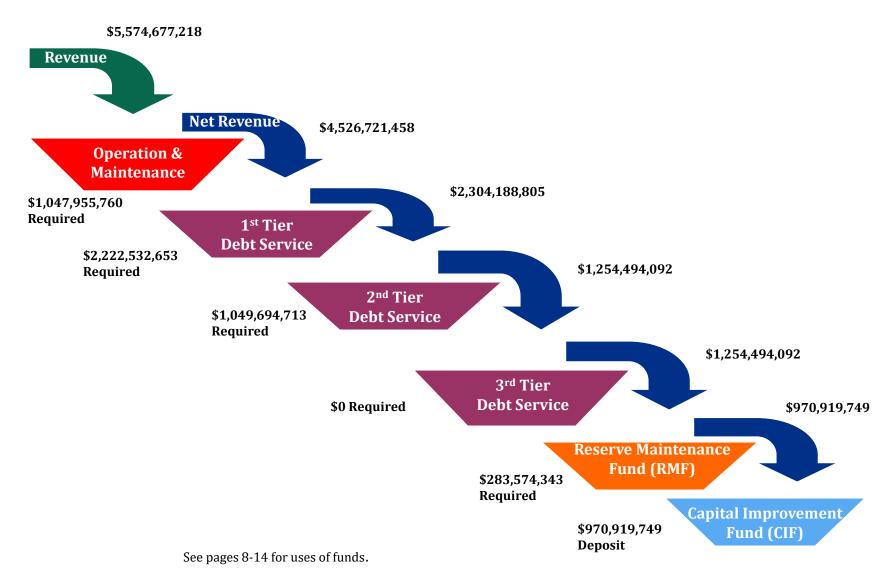


CIF Projects re-evaluated and prioritized throughout the year



All construction projects coming to completion

NTTA System Flow of Funds FY2022 - FY2026



RESERVE MAINTENANCE PROJECTS



Reserve Maintenance Projects

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

Projects include, but are not limited to the following:

ANNUAL ASSET CONDITION INSPECTION

An inspection of NTTA assets is performed annually to assist in identifying potential maintenance projects. This allows staff to properly allocate funds during the annual budgeting process. It also allows staff to plan for future major maintenance expenditures. The Capital Plan includes \$11.3 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 \$203.3 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 \$18.1 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 \$64.3 million for this category.



Reserve Maintenance Fund - (1201) - Project List FY2022 - FY2026 CAPITAL PLAN

Department	Project	Estimated FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	Five Year Total FY2022 - FY2026
Information Technology - (20111)	1000431 - IT Roadway Systems (1)	\$7,969,130	\$6,000,000	\$5,000,000	\$4,000,000	\$3,000,000	\$3,000,000	\$21,000,000
Information Technology - (20111)	1000825 - Server Hardware Upgrades and Replacements (2)	4,000,000	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 (3)	495,000	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 (4)	150,000	150,000	200,000	200,000	200,000	200,000	950,000
Information Technology - (20111)	1000828 - Network Equip. & Comm. Systems Replacement (5)	719,500	1,888,500	1,888,500	1,888,500	1,500,000	1,500,000	8,665,500
Information Technology - (20111)	1000829 - Software and Licensing (6)	210,000	298,000	298,000	298,000	298,000	298,000	1,490,000
	Information Technology - (20111) Total	13,543,630	18,983,000	18,033,000	17,033,000	15,644,500	15,644,500	85,338,000
Admin Infrastructure - (20221)	1000009 - Landscaping (7)	550,000	550,000	550,000	550,000	550,000	550,000	2,750,000
Admin Infrastructure - (20221)	1000026 - RMF - Fleet (8)	2,319,600	3,595,000	3,603,500	3,453,900	3,327,900	4,142,600	18,122,900
Admin Infrastructure - (20221)	1000030 - Systemwide Facility Improvements (9)	3,045,000	3,225,000	5,100,000	2,735,000	3,175,000	2,365,000	16,600,000
	Admin Infrastructure - (20221) Total	5,914,600	7,370,000	9,253,500	6,738,900	7,052,900	7,057,600	37,472,900
5 5	1000011 Post Science	= 00 = 4=0	= <0 = 00=	4 04 0 504		0.040.04	40.055.004	40.050.050
Project Delivery - (20511)	1000011 - Restriping (10)	7,005,172	7,637,835	1,910,591	8,205,739	9,868,367	13,257,326	40,879,858
Project Delivery - (20511)	1000013 - Erosion Mitigation & Drainage Repairs (11)	630,000	9,301,000	8,518,500	1,725,000	1,050,000	710,000	21,304,500
Project Delivery - (20511)	1000018 - Pavement Repair and Rehab. (12)	12,605,000	4,906,100	9,010,600	14,734,560	17,518,590	10,000,000	56,169,850
Project Delivery - (20511)	1000020 - Signage (13)	3,813,208	3,289,700	7,886,600	5,036,800	2,117,750	1,472,133	19,802,983
Project Delivery - (20511)	1000028 - Systemwide Bridge Repair (14)	2,093,636	2,721,400	3,430,000	2,950,000	1,400,000	1,200,000	11,701,400
Project Delivery - (20511)	1000031 - Annual Inspection Program (15)	1,799,965	1,933,426	1,938,763	2,389,669	2,360,669	2,683,403	11,305,930
Project Delivery - (20511)	1000040 - Wall, Railings & Structural Steel Elements (16)	345,000	2,840,000	1,405,000	100,000	1,050,000	6,732,000	12,127,000
Project Delivery - (20511)	1000041 - Lighting Replacement or Repair (17)	75,000	940,000	50,000	0	0	0	990,000
	Project Delivery - (20511) Total	28,366,981	33,569,461	34,150,054	35,141,768	35,365,376	36,054,862	174,281,521
Totals		\$47,825,211	\$59,922,461	\$61,436,554	\$58,913,668	\$58,062,776	\$58,756,962	\$297,092,421

Department	Project	Estimated FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	Five Year Total FY2022 - FY2026
FY2021 C	arryover Projects and Adjustments							
(1)Information Technology - (20111)	1000431 - IT Roadway Systems	(6,522,135)	0	0	0	0	0	0
(2)Information Technology - (20111)	1000825 - Server Hardware Upgrades and Replacements	2,939,868	0	0	0	0	0	0
(3)Information Technology - (20111)	1000826 - Computer Hardware Upgrades and Replacements	(481,695)	0	0	0	0	0	0
(4)Information Technology - (20111)	1000827 - Printer Hardware Upgrades and Replacements	(150,000)	0	0	0	0	0	0
	1000828 - Network Equip. & Comm. Systems Replacement	(616,949)	0	0	0	0	0	0
(6)Information Technology - (20111)	1000829 - Software and Licensing	(202,506)	0	0	0	0	0	0
(7)Admin Infrastructure - (20221)	1000009 - Landscaping	(524,481)	0	0	0	0	0	0
(8)Admin Infrastructure - (20221)	1000026 - RMF - Fleet	600,000	0	0	0	0	0	0
(9)Admin Infrastructure - (20221)	1000030 - Systemwide Facility Improvements	(2,502,061)	0	0	0	0	0	0
(10)Project Delivery - (20511)	1000011 - Restriping	(2,488,888)	0	0	0	0	0	0
(11)Project Delivery - (20511)	1000013 - Erosion Mitigation & Drainage Repairs	(425,435)	0	0	0	0	0	0
(12)Project Delivery - (20511)	1000018 - Pavement Repair and Rehab.	(5,989,443)	0	0	0	0	0	0
(13)Project Delivery - (20511)	1000020 - Signage	(1,966,489)	0	0	0	0	0	0
(14)Project Delivery - (20511)	1000028 - Systemwide Bridge Repair (Adjustment)	(1,307,801)	0	0	0	0	0	0
(15)Project Delivery - (20511)	1000031 - Annual Inspection Program	(1,020,502)	0	0	0	0	0	0
(16)Project Delivery - (20511)	1000040 - Wall, Railings & Structural Steel Elements	(184,611)	0	0	0	0	0	0
(17)Project Delivery - (20511)	1000041 - Lighting Replacement or Repair	(75,000)	0	0	0	0	0	0
Totals		(\$20,918,129)	\$0	\$0	\$0	\$0	\$0	\$0
Total FY2022 - FY2026 Reserve M	aintenance Project Costs	\$26,907,082	\$59,922,461 \$6	51,436,554 \$	58,913,668 \$5	58,062,776 \$5	8,756,962	\$297,092,421

Report contains only project costs.

Project Number: 1000431 Budget Year: 2022

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
	2022	\$ 6,000,000
	2023	5,000,000
	2024	4,000,000
	2025	3,000,000
	2026	 3,000,000
		\$ 21,000,000

Project Details 2022

Account	Description	Total Amount
Expenses		
541401	Infrastructure	6,000,000
	Total Expenses:	\$ 6,000,000

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Number: 1000825 **Budget Year:** 2022

Project Title: Server Hardware Upgrades and Replacements **Manager:** Information Technology

Fund: RMF 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
	2022	\$ 8,970,000
	2023	8,970,000
	2024	8,970,000
	2025	8,970,000
	2026	8,970,000
		\$ 44,850,000

Project Details 2022

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

Budget Year	Exp (Rev)	FTE Impact	
None	None	None	

Project Number: 1000826 Budget Year: 2022

Project Title: Computer Hardware Upgrades and Replacements **Manager:** Information Technology

Fund: RMF 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
	2022	\$ 1,676,500
	2023	1,676,500
	2024	1,676,500
	2025	1,676,500
	2026	1,676,500
		\$ 8,382,500

Project Details 2022

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

Operating Budget Impact

Budget YearExp (Rev)FTE ImpactNoneNoneNone

Project Number: 1000827 **Budget Year:** 2022

Project Title: Printer Hardware Upgrades and Replacements **Manager:** Information Technology

Fund: RMF 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
	2022	\$ 150,000
	2023	200,000
	2024	200,000
	2025	200,000
	2026	200,000
		\$ 950,000

Project Details 2022

Account	Description	Total Amount
Expenses		
531641	Computers	150,000_
	Total Expenses:	\$ 150,000

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Number: 1000828 Budget Year: 2022

Project Title: Network Equip. & Comm. Systems Replacement Manager: Information Technology

Fund: RMF 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
	2022	\$ 1,888,500
	2023	1,888,500
	2024	1,888,500
	2025	1,500,000
	2026	1,500,000
		\$ 8,665,500

Project Details 2022

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

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Number: 1000829 Budget Year: 2022

Project Title: Software and Licensing **Manager:** Information Technology

Fund: RMF 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
	2022	\$ 298,000
	2023	298,000
	2024	298,000
	2025	298,000
	2026	298,000
		\$ 1,490,000

Project Details 2022

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

Budget Year	Exp (Rev)	FTE Impact	
None	None	None	

Project Number: 1000009 Budget Year: 2022

Project Title: Landscape Manager: Maintenance

Fund: RMF 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
	2022	\$ 550,000
	2023	550,000
	2024	550,000
	2025	550,000
	2026	550,000
		\$ 2,750,000

Project Details 2022

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

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Number: 1000026 Budget Year: 2022

Project Title: RMF - Fleet **Manager:** Maintenance

Fund: RMF 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
	2022	\$ 3,595,000
	2023	3,603,500
	2024	3,453,900
	2025	3,327,900
	2026	 4,142,600
		\$ 18,122,900

Project Details 2022

Account	Description	Total Amount
Expenses		
531611	Machinery	307,000
531621	Vehicles	3,288,000
	Total Expenses:	\$ 3,595,000

Budget Year	Exp (Rev)	FTE Impact	
None	None	None	

Project Number: 1000030 Budget Year: 2022

Project Title: Facility Improvements **Manager:** Maintenance

Fund: RMF 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
	2022	\$ 3,225,000
	2023	5,100,000
	2024	2,735,000
	2025	3,175,000
	2026	2,365,000
		\$ 16,600,000

Project Details 2022

Account	Description	Total Amount
Expenses		
541302	Building Improvements	3,225,000
	Total Expenses:	\$ 3,225,000

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Number: 1000011 Budget Year: 2022

Project Title: Restriping Manager: Project Delivery

Fund: RMF 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
202	2 \$	7,637,835
202	3	1,910,591
202	4	8,205,739
202	5	9,868,367
202	6	13,257,326
	\$	40,879,858

Project Details 2022

Account	Description	Total Amount
Expenses		
522204	Pavement Markings	7,637,835_
	Total Expenses:	\$ 7,637,835

Budget Year	Exp (Rev)	FTE Impact	
None	None	None	

Project Number: Project Title: Fund: Department: Project Type:	1000013 Erosion Mitigation & Drainage RMF Project NTTA-20510-Total Project Deli Facilities/Roadway	•	Budget Year: Manager: Project Partner: Total Project Cost: Prior Years Cost:	2022 Project Delivery N/A Annual Budget
Description:		bilize embankments, add/i		channels encroaching on bridge structures to adequately convey water,
Justification:	To maintain NTTA assets at or to prevent higher cost of repair		d level of quality. Projects	s must be performed at the "right time"
Comments:	N/A			
Project Forecast				
Year			Total Budge	et_
	2022		\$ 9,301,000	
	2023		8,518,500	
	2024		1,725,000	
	2025		1,050,000	
	2026		710,000	
			\$ 21,304,500	
Project Details 2022				
Account	Description			Total Amount
Expenses				
541401	Infrastructure Rdway/Hwy/Br Total Expenses:	idg		9,301,000 \$ 9,301,000
Operating Budget Impact				
Budget Year		Exp (Rev)	FTE Impact	
None		None	None	

Project Number: 1000018 **Budget Year:** 2022 **Project Title:** Pavement Repair and Rehab Manager: **Project Delivery** Fund: **RMF** Project **Project Partner:** N/A NTTA-20510-Total Project Delivery **Total Project Cost: Annual Budget Department: Project Type:** Facilities/Roadway **Prior Years Cost:** Major roadway repair or rehabilitation projects. To address base failures, significant sub-grade movement, joint **Description:** 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 Total Budget** Year 4,906,100 2022 \$ 2023 9,010,600 2024 14,734,560 2025 17,518,590 2026 10,000,000 \$ 56,169,850

Proj	ect	De	tai	ls	2	02	2
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Account	Description	Total Amount
Expenses		
522205	Pavement & Shoulders	4,906,100
	Total Expenses:	\$ 4,906,100

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Number: 1000020 Budget Year: 2022

Project Title: Signage **Manager:** Project Delivery

Fund: RMF 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
	2022	\$ 3,289,700
	2023	7,886,600
	2024	5,036,800
	2025	2,117,750
	2026	 1,472,133
		\$ 19,802,983

Project Details 2022

Account	Description	Total Amount
Expenses		
522203	Signing Expense	3,289,700
	Total Expenses:	\$ 3,289,700

Budget Year	Exp (Rev)	FTE Impact	
None	None	None	

Project Number: 1000028 **Budget Year:** 2022 **Project Title:** System-Wide Bridge Repair Manager: **Project Delivery** Fund: **RMF** Project **Project Partner:** N/A NTTA-20510-Total Project Delivery **Total Project Cost: Annual Budget Department: 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, wearing 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
	2022	\$ 2,721,400
	2023	3,430,000
	2024	2,950,000
	2025	1,400,000
	2026	 1,200,000
		\$ 11,701,400

Project Details 2022

Account	Description	Total Amount
Expenses		
522206	Bridge Repairs	2,721,400
	Total Expenses:	\$ 2,721,400

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Number: 1000031 Budget Year: 2022

Project Title: Inspection Services Manager: Project Delivery

Fund: RMF 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
	2022	\$ 1,933,426
	2023	1,938,763
	2024	2,389,669
	2025	2,360,669
	2026	 2,683,403
		\$ 11,305,930

Project Details 2022

Account	Description	Total Amount
Expenses		
521301	Consulting/Profess Serv Tech	1,933,426
	Total Expenses:	\$ 1.933.426

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Number: 1000040 2022 **Budget Year:** Walls, Railings and Steel Elements Repair **Project Delivery Project Title:** Manager: Fund: **RMF** Project **Project Partner:** N/A NTTA-20510-Total Project Delivery **Total Project Cost: Annual Budget Department: Project Type:** Facilities/Roadway **Prior Years Cost:** Retaining, screen and sound walls; railings; and structural steel element surface finish improvements. Projects include items **Description:** 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 Total Budget** Year 2022 \$ 2,840,000 1,405,000 2023 2024 100,000 2025 1,050,000 6,732,000 2026 12,127,000 **Project Details 2022 Description Total Amount** Account **Expenses** 541401 Infrastructure Rdway/Hwy/Bridg 2,840,000 **Total Expenses: Operating Budget Impact Budget Year** Exp (Rev) **FTE Impact** None None None

Project Number: Budget Year: 1000041 2022 **Project Title:** Lighting Replacement or Repair Manager: **Project Delivery RMF** Project **Fund: Project Partner:** N/A NTTA-20510-Total Project Delivery **Total Project Cost: Department: Annual Budget Project Type:** Facilities/Roadway **Prior Years Cost:** Roadway illumination repair or replacement projects. To address lighting needs, replacement or upgrades **Description:** due to improvements in technology. **Justification:** To maintain or improve visibility to enhance traffic safety. **Comments:** N/A **Project Forecast Total Budget** Year 2022 \$ 940,000 2023 50,000 2024 2025 2026 \$ 990,000 **Project Details 2022** Account **Description Total Amount Expenses** 521213 **General Engineering** 940,000

Operating 1	Budget Impact
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Budget Year	Exp (Rev)	FTE Impact
None	None	None

Total Expenses:

\$

940,000

CAPITAL IMPROVEMENT PROJECTS



Capital Improvement Projects

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

DALLAS NORTH TOLLWAY FOURTH LANE (PGBT TO SRT)

NTTA added a fourth lane to the DNT in each direction between President George Bush Turnpike and the Sam Rayburn Tollway. Construction was completed in early FY2018. The FY2022–FY2026 Capital Plan includes \$0.3 million for minor close-out items. Total project costs are estimated at \$111.2 million.



DALLAS NORTH TOLLWAY PHASE 4B

The Phase 4B extension is an approximate 8-mile section from FM 428 to Grayson County. The FY2022-FY2026 Capital Plan includes \$28.8 million for planning and design Total project costs are estimated at \$500.0 million.

DALLAS NORTH TOLLWAY PHASE 4B (FRONTAGE ROAD)

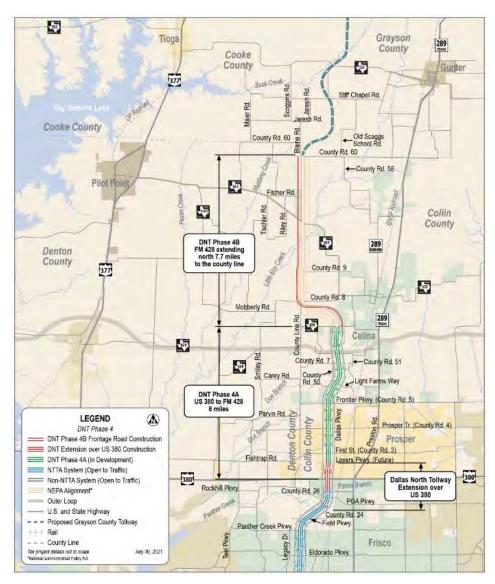
Phase 4B runs approximately 8-miles from FM 428 to the Denton/Grayson county line. Construction of Phase 4B frontage road from FM 428 to County Line Road is estimated at \$6.9 million in the FY2022 – FY2026 Capital Plan. The total frontage road cost of \$26.8 million will be reimbursed by Denton County through an Interlocal Agreement.

DALLAS NORTH TOLLWAY PHASE 4A

The Phase 4A extension is a 6-mile section from U.S. 380 to FM 428. The FY2022-FY2026 Capital Plan includes \$236.9 million for design and construction. Total project costs are estimated at \$350.0 million.

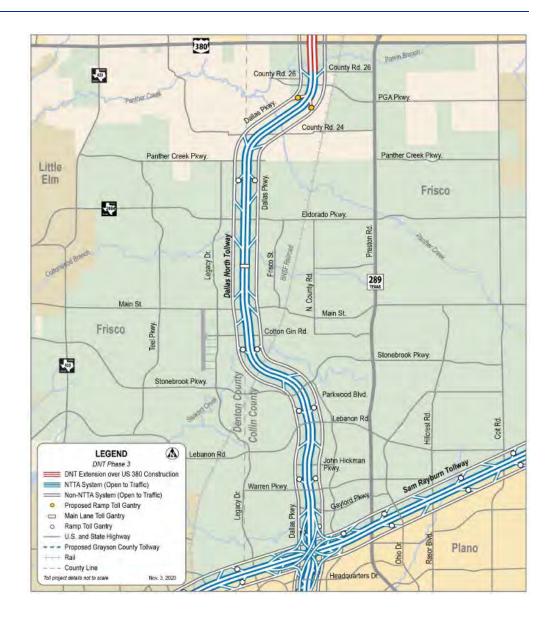
DALLAS NORTH TOLLWAY BRIDGES OVER U.S. 380

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 FY2022-FY2026 Capital Plan includes the estimated project cost of \$12.9 million. Total project costs are estimated at \$90.3 million.



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

NTTA is planning to add an additional lane in each direction to DNT from SRT to U.S. 380. Design began in FY2021 and construction is anticipated to begin in FY2022 and is scheduled for completion in FY2025. The FY2022-FY2026 Capital Plan includes \$145.5 million for this project. Total project costs are estimated at \$157.3 million.

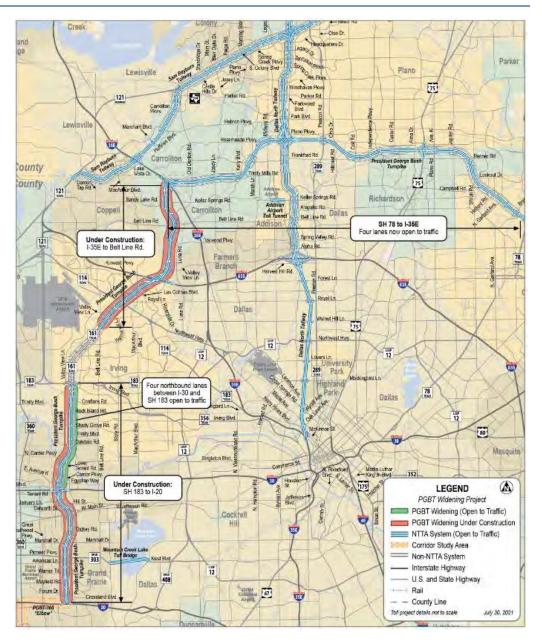


PRESIDENT GEORGE BUSH TURNPIKE WIDENING PROJECT BETWEEN I-20 AND SH 78

NTTA is adding a fourth lane in each direction between I-20 and SH 78. Construction is underway and is anticipated to be complete by FY2022.

- Phase 1 [from U.S. 75 and DNT]; opened to traffic November 2016.
- Phase 2 [from SH 78 to U.S. 75]; opened to traffic October 2018.
- Phase 3 [from DNT to I-35E]; opened to traffic December 2019.
- Phase 4 [from I-35E to north of Belt Line Road (Irving)]; construction began in mid-2019 and is anticipated to open to traffic in December 2021.
- Phase 5 [from SH 183 to I-20]; began late 2019 and is anticipated to open to traffic in December 2021.

The FY2022–FY2026 Capital Plan includes \$3.2 million for this project. Total project costs for all phases listed are estimated at \$150.1 million.



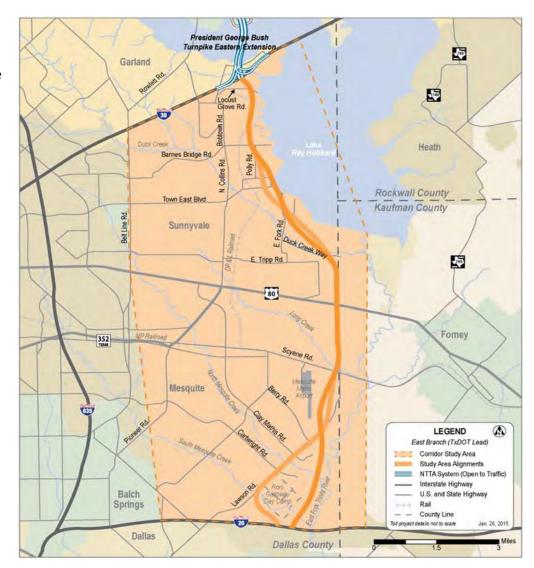
PGBT/360 TOLLWAY CONNECTOR

The proposed project connects PGBT from south of Mayfield Road to 360 Tollway at north of Camp Wisdom Road in southern Tarrant County. The FY2022-FY2026 Capital Plan includes \$113.0 million for project development. The total estimated project costs are \$363.3 million.



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 FY2022-FY2026 Capital Plan contains \$63.2 million for planning, design and right-of-way. The total estimated project costs are \$1.2 billion.



CTP SOUTH 2-LANES

This project adds two southbound main lanes from south of FM 1187 to U.S. 67. The FY2022 – FY2026 Capital Plan includes \$78.4 million for planning, design and construction. Total estimated project costs are \$239.4 million.



SAM RAYBURN TOLLWAY FOURTH LANE (WIDENING) PROJECT

The SRT improvements include constructing an additional lane in each direction, along the entire 26-miles, from west of Denton Tap Road to U.S. 75. Construction began in early FY2019; scheduled open to traffic in late FY2021. The FY2021 – FY2026 Capital Plan includes \$3.6 million for this project. The total project costs are estimated at \$191.5 million.



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 FY2022 – FY2026 Capital Plan are as follows: lane system upgrade, back office system, infrastructure managed services, network, disaster recovery, enterprise storage, intelligent transportation systems and items related to information security and compliance. The FY2022 – FY2026 Capital Plan includes \$282.8 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 FY2022 – FY2026 Capital Plan includes \$128.1 million for this category.

RECONSTRUCTION/REPAIR OF RETAINING WALLS

Several retaining wall projects are being developed to address identified issues. The FY2022 – FY2026 Capital Plan includes \$63.6 million.

DNT CAPACITY IMPROVEMENTS STUDY

General engineering fees are being budgeted to identify possible capacity improvements on DNT. The FY2022 – FY2026 Capital Plan includes \$2.3 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 \$19.5 million for this category.



Capital Improvement Fund - (1501) - Project List FY2022 - FY2026 CAPITAL PLAN

NORTH TEXAS TOLLWAY AUTHORITY								
Department	Project	Estimated FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	Five Year Total FY2022 - FY2026
Information Technology - (20111)	1000030 - Systemwide Facility Improvements (1)	\$ 100,000	\$ 200,000 \$	- \$	- \$	- \$	-	200,000
Information Technology - (20111)	7000005 - Business Analytics (2)	560,000	845,000	745,000	320,000	80,000	2,350,000	4,340,000
Information Technology - (20111)	7000006 - PCI Compliance	3,541,000	3,300,000	2,500,000	2,500,000	1,500,000	4,500,000	14,300,000
Information Technology - (20111)	7000008 - Disaster Recovery	4,600,000	5,452,544	5,452,544	5,952,544	5,452,544	5,452,544	27,762,720
Information Technology - (20111)	7000011 - ITS Enhancements to Support TIM (3)	3,375,000	1,350,000	250,000	250,000	250,000	450,000	2,550,000
Information Technology - (20111)	7000016 - Data Storage for Images, Databases and Video	0	2,316,000	1,500,000	2,500,000	1,000,000	2,500,000	9,816,000
Information Technology - (20111)	7000017 - EPDS Enhancements (4)	650,000	0	0	200,000	0	200,000	400,000
Information Technology - (20111)	7000018 - Redesign of Internet (5)	300,000	650,000	350,000	350,000	350,000	350,000	2,050,000
Information Technology - (2011)	7000021 - PeopleSoft HR HCM Enhancements (6)	300,000	300,000	300,000	0	0	0.000	600,000
Information Technology - (2011)	7000022 - Digital Aerial Photography (7)	32,000	86,000	86,000	86,000	86,000	88,500	432,500
Information Technology - (2011)	7000024 - Toll Collection Sys Software Enhancements/Maint (8)	300,000	00,000	00,000	00,000	00,000	00,500	432,300
Information Technology - (2011)	7000033 - Microsoft Enterprise Agreement (9)	100,000	3,976,825	4,300,000	4,600,000	4,700,000	4,700,000	22,276,825
Information Technology - (2011)	7000034 - Oracle Unlimited License Agreement	2,586,000	3,970,023	4,300,000	4,000,000	4,700,000	4,700,000	22,270,023
Information Technology - (2011)	7000040 - Expand Virtualization (10)	400,000	2,004,913	1,815,110	1,627,714	1,692,823	2,000,000	9,140,560
Information Technology - (20111)	7000040 - Expand virtualization (10) 7000042 - Computer Hardware Upgrade (11)	1,800,000	2,800,000		2,000,000	2,000,000	2,000,000	9,800,000
50 (7000050 - GIS Enhancement (12)			1,000,000				
Information Technology - (20111)	S ?	500,000	455,000 0	450,000 0	355,000 0	330,000 0	330,000	1,920,000
Information Technology - (20111)	7000051 - Mobile App Enhancements (13)	200,000	-	-	-	-	0	4 255 000
Information Technology - (20111)	7000054 - Service Desk Software Enhancements	0	275,000	275,000	275,000	275,000	275,000	1,375,000
Information Technology - (20111)	7000056 - Toll Collection System Implementation (14)	10,417,992	1,736,332	0	0	0	0	1,736,332
Information Technology - (20111)	7000064 - Board Room Video/Presentation Enhancement (15)	100,000	100,000	100,000	100,000	100,000	100,000	500,000
Information Technology - (20111)	7000067 - DataLogger Auditing Tool for Lane Controllers (16)	260,000	0	0	0	0	0	0
Information Technology - (20111)	7000068 - National IOP (17)	1,100,000	1,000,000	1,000,000	1,000,000	650,000	650,000	4,300,000
Information Technology - (20111)	7000070 - Multi-Channel Communications - CSC (18)	1,000,000	600,000	600,000	1,700,000	4,400,000	1,000,000	8,300,000
Information Technology - (20111)	7000071 - LoneStar Module Expansion (19)	300,000	175,000	175,000	175,000	175,000	175,000	875,000
Information Technology - (20111)	7000081 - eProcurement Project Workflow Tracker (20)	500,000	0	0	0	0	0	0
Information Technology - (20111)	7000086 - NTTA Employee Portal (21)	100,000	100,000	200,000	0	0	0	300,000
Information Technology - (20111)	7000110 - Enterprise Content Management (22)	300,000	100,000	0	0	0	0	100,000
Information Technology - (20111)	7000112 - Contract Management System (23)	550,000	120,000	0	0	0	120,000	240,000
Information Technology - (20111)	7000113 - Reporting Tool for BDD (24)	420,000	0	50,000	0	0	0	50,000
Information Technology - (20111)	7000115 - C*Cure Facility Access System	0	0	500,000	0	0	0	500,000
Information Technology - (20111)	7000116 - Backup System	0	450,000	475,000	475,000	475,000	500,000	2,375,000
Information Technology - (20111)	7000117 - Lane System Upgrade (25)	750,000	2,000,000	1,300,000	5,000,000	2,000,000	1,200,000	11,500,000
Information Technology - (20111)	7000128 - CSC Queue Management and Appointment (27)	300,000	300,000	150,000	150,000	150,000	150,000	900,000
Information Technology - (20111)	7000130 - Enterprise System Monitoring	0	600,000	600,000	600,000	600,000	700,000	3,100,000
Information Technology - (20111)	7000134 - Back Office System (28)	8,200,000	10,670,053	10,760,472	10,852,718	10,946,829	11,546,829	54,776,901
Information Technology - (20111)	7000172 - Infrastructure Managed Services - Data Centers (29)	900,000	5,629,876	5,729,876	5,900,000	5,900,000	5,900,000	29,059,752
Information Technology - (20111)	7000173 - Cloud Expansion Project (30)	300,000	1,300,000	5,000,000	4,000,000	1,000,000	3,000,000	14,300,000
Information Technology - (20111)	7000174 - PeopleSoft Replacement Project	0	0	500,000	2,000,000	2,000,000	2,000,000	6,500,000
Information Technology - (20111)	7000175 - Increased Equinix Data Center Applications for Risk Mitigation (31)	350,000	1,500,000	400,000	400,000	800,000	800,000	3,900,000
Information Technology - (20111)	7000176 - CJIS Compliance	0	300,000	300,000	400,000	300,000	300,000	1,600,000
Information Technology - (20111)	7000177 - New Debt and Cash Management Software	0	100,000	200,000	0	0	0	300,000
Information Technology - (20111)	7000179 - Lockbox Replacement Assessment	0	500,000	500,000	0	0	0	1,000,000
Information Technology - (20111)	7000180 - CSC Print Vendor	0	300,000	2,500,000	0	0	0	2,800,000
Information Technology - (20111)	7000181 - Payment Processor Replacement	0	0	0	0	500,000	2,000,000	2,500,000
Information Technology - (2011)	7000183 - CSC Business Continuity	0	1,300,000	275,000	225,000	225,000	225,000	2,250,000
Information Technology - (2011)	7000183 - CSC Business continuity 7000184 - Planned Collection Initiatives (32)	400,000	4,600,000	6,400,000	2,600,000	1,400,000	1,400,000	16,400,000
Information Technology - (2011)	7000187 - Franked concection findadves (32)	200,000	200,000	200,000	200,000	200,000	200,000	1,000,000
Information Technology - (2011)	7000187 - Schladife (35)	200,000	300,000	300,000	200,000	200,000	200,000 A	600,000
Information Technology - (20111)	7000100 - Expand Farking Using 10111ag 7000190 - Next Gen Tags (34)	300,000	300,000	300,000	0	0	0	300,000
	9			-	-	-	T00.000	
Information Technology - (20111)	7001252 - Windows Server Upgrade - New Operating System Versions (35)	600,000	800,000	800,000	700,000	500,000	500,000	3,300,000
Information Technology - (20111)	7001253 - Command Center Radio Upgrade (36)	475,000	250,000	0	0	0	250,000	500,000
	Information Technology - (20111) Total	47,166,992	59,342,543	58,039,002	57,493,976	50,038,196	57,912,873	282,826,590
Nouth Tours Tall Author		T 4				TIVO O O O		Vaca Canital Diam

North Texas Tollway Authority

Department	Project	Estimated FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	Five Year Total FY2022 - FY2026
Admin Infrastructure - (20221)	1000030 - Systemwide Facility Improvements (37)	2,400,000	4,850,000	4,510,000	3,720,000	3,300,000	3,125,000	19,505,000
	Admin Infrastructure - (20221) Total	2,400,000	4,850,000	4,510,000	3,720,000	3,300,000	3,125,000	19,505,000
Project Delivery - (20511)	1000010 - Median Replacement (38)	6,700,000	0	0	0	0	0	0
Project Delivery - (20511)	1000042 - General Engineering (39)	330,780	100,000	100,000	100,000	100,000	100,000	500,000
Project Delivery - (20511)	1000045 - Sand Stockpile	0	50,000	475,000	0	125,000	2,150,000	2,800,000
Project Delivery - (20511)	2000000 - PGBT EE (40)	103,215	0	0	0	0	0	0
Project Delivery - (20511)	2000002 - PGBT 4th Lane Widening (41)	30,682,864	3,233,000	0	0	0	0	3,233,000
Project Delivery - (20511)	2000005 - PGBT Continuous Illumination (42)	1,940,834	3,327,144	14,358,203	24,192,537	19,955,138	20,620,147	82,453,169
Project Delivery - (20511)	2100003 - DNT 4th Lane (PGBT to SRT) (43)	237,831	300,000	0	0	0	0	300,000
Project Delivery - (20511)	2100004 - DNT/PGBT IC & Ramp Mods	170,000	0	0	0	0	0	0
Project Delivery - (20511)	2100007 - DNT PH4A Bridges over U.S. 380 (44)	36,451,301	11,570,000	1,300,000	0	0	0	12,870,000
Project Delivery - (20511)	2100008 - DNT Phase 4B (Frontage Road) (45)	12,865,284	6,688,007	200,000	0	0	0	6,888,007
Project Delivery - (20511)	2100010 - DNT 4B (Segment 6) (46)	4.052.046	0	10,000	4,571,368	4,387,547	19,791,394	28,760,309
Project Delivery - (20511)	2100011 - DNT Widening (SRT to U.S. 380) (47)	4,952,846	20,293,313	57,225,341	46,212,342	20,474,837	1,327,000	145,532,833
Project Delivery - (20511)	2100012 - DNT Capacity Improvements Study 2100013 - DNT PH4A (Segment 5) (48)	010.214	0	850,000	1,100,000	300,000	77.662.012	2,250,000
Project Delivery - (20511) Project Delivery - (20511)	2100013 - DNT Fri4A (Segment 3) (48) 2100310 - DNT South End Design Guidelines Implementation	818,214	17,034,253 0	11,967,156 0	40,349,789 0	89,838,196 0	77,663,812 2,286,877	236,853,206 2,286,877
Project Delivery - (20511)	2500003 - SRT Widening (49)	33,077,392	1,577,762	2,000,000	0	0	2,200,077	3,577,762
Project Delivery - (20511)	2500003 - SRT WiteHing (49) 2500004 - SRT Continuous Illumination	33,077,392	688,808	2,361,403	11,252,551	14,089,823	11,627,265	40,019,850
Project Delivery - (20511)	3000000 - PGBT East Branch (50)	250.000	5,861,421	6,376,442	7,984,780	18,008,735	25,000,000	63,231,378
Project Delivery - (20511)	3900001 - PGBT/360 Tollway Connector (51)	250,000	2,894,849	6,371,350	18,973,052	34,721,387	50,000,000	112,960,638
Project Delivery - (20511)	7000072 - MSE Wall Stabilization and Maintenance Program (52)	9,969,686	5,615,000	3,000,000	16,900,000	21,700,000	16,400,000	63,615,000
Project Delivery - (20511)	7200001 - CTP South 2-lanes (54)	15,000	3,600,798	8,593,647	6,399,007	4,628,622	55,185,082	78,407,156
Project Delivery (20011)	Project Delivery - (20511) Total	138,815,247	82,834,355	115,188,542	178,035,426	228,329,285	282,151,577	886,539,185
Traffic & Incdnt Mgmt (20611)	7000000 - Systemwide Roadway Improvements (55)	2,600,000	8,707,000	15,782,500	20,069,500	16,031,000	7,700,000	68,290,000
	Traffic & Incdnt Mgmt (20611) Total	2,600,000	8,707,000	15,782,500	20,069,500	16,031,000	7,700,000	68,290,000
Totals		\$190,982,239	\$155,733,898	\$193,520,044	\$259,318,902	\$297,698,481	\$350,889,450	\$1,257,160,775
	21 Carryover Projects and Adjustments							
(1)Information Technology - (20111)	1000030 - Systemwide Facility Improvements	(50,000)	0	0	0	0	0	0
(2)Information Technology - (20111)	7000005 - Business Analytics	(271,840)	0	0	0	0	0	0
(3)Information Technology - (20111)	7000011 - ITS Enhancements to Support TIM	(1,687,500)	0	0	0	0	0	0
(4)Information Technology - (20111)	7000017 - EPDS Enhancements	(325,000)	0	0	0	0	0	0
(5)Information Technology - (20111)	7000018 - Redesign of Internet	(150,000)	0	0	0	0	0	0
(6)Information Technology - (20111)	7000021 - PeopleSoft HR HCM Enhancements	(150,000)	0	0	0	0	0	0
(7)Information Technology - (20111)	7000022 - Digital Aerial Photography	(16,000)	0	0	0	0	0	0
(8)Information Technology - (20111)	7000024 - Toll Collection Sys Software Enhancements/Maint	(150,000)	0	0	0	0	0	0
(9)Information Technology - (20111)	7000033 - Microsoft Enterprise Agreement	(50,000)	0	0	0	0	0	0
(10)Information Technology - (20111)	7000040 - Expand Virtualization	1,324,033	0	0	0	0	0	0
(11)Information Technology - (20111)	•		0	0	0	0	0	0
	7000042 - Computer Hardware Upgrade	(900,000)	o .	· ·	· ·	-	0	0
(12)Information Technology - (20111)	7000050 - GIS Enhancement	(250,000)	0	0	0	0	0	0
(13)Information Technology - (20111)	7000051 - Mobile App Enhancements (Adjustment)	(100,000)	0	0	0	0	0	0
(14)Information Technology - (20111)	7000056 - Toll Collection System Implementation	(5,208,996)	0	0	0	0	0	0
(15)Information Technology - (20111)	7000064 - Board Room Video/Presentation Enhancement	(50,000)	0	0	0	0	0	0
(16)Information Technology - (20111)	7000067 - DataLogger Auditing Tool for Lane Controllers	(130,000)	0	0	0	0	0	0
(17)Information Technology - (20111)	7000068 - National IOP	(550,000)	0	0	0	0	0	0
(18)Information Technology - (20111)	7000070 - Multi-Channel Communications - CSC	(49,047)	0	0	0	0	0	0
(19)Information Technology - (20111)	7000071 - LoneStar Module Expansion	(150,000)	0	0	0	0	0	0
(20)Information Technology - (20111)	7000081 - eProcurement Project Workflow Tracker	(250,000)	0	0	0	0	0	0
(21)Information Technology - (20111)	7000086 - NTTA Employee Portal	(50,000)	0	0	0	0	0	0
(22)Information Technology - (20111)	7000110 - Enterprise Content Management	(150,000)	U	U	0	0	0	ı ºĮ

Department	Project	Estimated FY2021	FY2022	FY2023	FY2024	FY2025	ピンフリンと	Five Year Total FY2022 - FY2026
(23)Information Technology - (20111)	7000112 - Contract Management System	(500,916)	0	0	0	0	0	0
(24)Information Technology - (20111)	7000113 - Reporting Tool for BDD	(210,000)	0	0	0	0	0	0
(25)Information Technology - (20111)	7000117 - Lane System Upgrade	(375,000)	0	0	0	0	0	0
(26)Information Technology - (20111)	7000119 - Computer Aided Dispatch	25,200	0	0	0	0	0	0
(27)Information Technology - (20111)	7000128 - CSC Queue Management and Appointment	(150,000)	0	0	0	0	0	0
(28)Information Technology - (20111)	7000134 - Back Office System	924,267	0	0	0	0	0	0
(29)Information Technology - (20111)	7000172 - Infrastructure Managed Services - Data Centers	(675,000)	0	0	0	0	0	0
(30)Information Technology - (20111)	7000173 - Cloud Expansion Project	(225,000)	0	0	0	0	0	0
(31)Information Technology - (20111)	7000175 - Increase Equinix Data Center Applications for risk Mitigation	(262,500)	0	0	0	0	0	0
(32)Information Technology - (20111)	7000184 - Planned Collection Initatives	(300,000)	0	0	0	0	0	0
(33)Information Technology - (20111)	7000187 - Semafone	(150,000)	0	0	0	0	0	0
(34)Information Technology - (20111)	7000190 - Next Gen Tags	(225,000)	0	0	0	0	0	0
(35)Information Technology - (20111)	7001252 - Windows Server Upgrade - New Operating System Versions	(450,000)	0	0	0	0	0	0
(36)Information Technology - (20111)	7001253 - Command Center Radio Upgrade	(356,250)	0	0	0	0	0	0
(37) Admin Infrastructure - (20221)	1000030 - Systemwide Facility Improvements	(1,491,625)	0	0	0	0	0	0
(38)Project Delivery - (20511)	1000010 - DNT Median Replacement	(887,456)	0	0	0	0	0	0
(39)Project Delivery - (20511)	1000042 - General Engineering	(48,519)	0	0	0	0	0	0
(40)Project Delivery - (20511)	2000000 - PGBT EE	(58,419)	0	0	0	0	0	0
(41)Project Delivery - (20511)	2000002 - PGBT 4th Lane Widening	(3,268,537)	0	0	0	0	0	0
(42)Project Delivery - (20511)	2000005 - PGBT Continues Illumination	(970,417)	0	0	0	0	0	0
(43)Project Delivery - (20511)	2100003 - DNT 4th Lane (PGBT to SRT)	(39,828)	0	0	0	0	0	0
(44)Project Delivery - (20511)	2100007 - DNT PH4A Bridges over U.S. 380	(13,763,293)	0	0	0	0	0	0
(45)Project Delivery - (20511)	2100008 - DNT Phase 4B (Frontage Road)	(2,377,612)	0	0	0	0	0	0
(46)Project Delivery - (20511)	2100010 - DNT Phase 4B (Segment 6)	369	0	0	0	0	0	0
(47)Project Delivery - (20511)	2100011 - DNT Widening (SRT to U.S. 380)	(2,892,755)	0	0	0	0	0	0
(48)Project Delivery - (20511)	2100013 - DNT PH4A (Segment 5)	(136,954)	0	0	0	0	0	0
(49)Project Delivery - (20511)	2500003 - SRT Widening	(2,768,482)	0	0	0	0	0	0
(50)Project Delivery - (20511)	3000000 - PGBT East Branch	(125,000)	0	0	0	0	0	0
(51)Project Delivery - (20511)	3900001 - PGBT/360 Tollway Connector	(125,000)	0	0	0	0	0	0
(52)Project Delivery - (20511)	7000072 - MSE Wall Stabilization and Maintenance Program	(2,441,695)	0	0	0	0	0	0
(53)Project Delivery - (20511)	7200000 - CTP	87,457	0	0	0	0	0	0
(54)Project Delivery - (20511)	7200001 - CTP South 2-Lanes	(7,500)	0	0	0	0	0	0
(55)Traffic & Incdnt Mgmt (20611)	7000000 - Systemwide Roadway Improvements (Adjustment)	(1,300,000)	0	0	0	0	0	0
Totals		(\$44,909,815)	\$0	\$0	\$0	\$0	\$0	\$0
Total FY2022 - FY2026 Capital In	nprovement Project Costs	\$146,072,424	\$155,733,898 \$1	93,520,044 \$2	59,318,902 \$2	97,698,481 \$3	50,889,450	\$1,257,160,775

Report contains only project costs.

Project Number: Project Title: Fund: Department: Project Type:	7000005 Business Analytics CIF Project NTTA-20110-Total Information Technology	n Technology	Budget Year: Manager: Project Partner: Total Project Cost: Prior Years Cost:	2022 Information Tech N/A Annual Budget	nology	
Description:	Continue to build and scale the 2020 - Post-BOS BI Developme 2021 - Post-BOS BI Developme 2022 - Finalize 2021 APS EOL F 2023-24 - NextGen BI - AI, Mac	nt, APS EOL Repla nt, Purchase/Migr Replacement Migr	cement Solution POCs rate to APS Replacement ation	Platform	mands i	ncrease:
Justification:	Scaling the BI program enables 1. Congestion Management 2. Interoperability 3. Public Awareness and Accep 4. Connected/Automated Vehic 5. Managed Lanes 6. Road Usage Charge 7. NTTA Tolling Application Re	tance cles	industry challenges:			
Comments:	N/A					
Project Forecast Year	,		Total Budge	et		
	2022 2023 2024		\$ 845,000 745,000 320,000)		
	2025 2026		80,000 2,350,000 4,340,00 0))		
Project Details 2022			-,,			
Account	Description				Tota	l Amount
Expenses						
521301	Consulting/Profess Serv Tech					150,000
531641	Computers					350,000
531651	Software					345,000
	Total Expenses:				\$	845,000
Operating Budget Impact						
Budget Year		Exp (Rev)	FTE Impact	<u></u>		
None		None	None			

Project Number: Project Title: Fund: Department: Project Type:	7000006 PCI Compliance CIF Project NTTA-20110-Total Information Technology	n Technology	Budget Year: Manager: Project Partner: Total Project Cost: Prior Years Cost:	2022 Information Technology N/A Annual Budget -
Description:	in order to protect technology i	nfrastructure and	sensitive data by enhan	lace to satisfy compliance requirements cing information security safeguards post breach services costs are included.
Justification:	In the interest of enhancing information requirements, various prevent	-	-	stay compliant with regulatory o be in place.
Comments:	N/A			
Project Forecast				
Year			Total Budge	et
	022		\$ 3,300,000)
	023		2,500,000	
	024		2,500,000	
	025		1,500,000	
2	026		4,500,000	
			\$ 14,300,000	
Project Details 2022				
Account	Description			Total Amount
Expenses				
521301	Consulting/Profess Serv Tech			-
531641	Computers			1,300,000
531651	Software			2,000,000
	Total Expenses:			\$ 3,300,000
Operating Budget Impact				
Budget Year		Exp (Rev)	FTE Impact	
None		None	None	_

Project Number: 7000008 Budget Year: 2022

Project Title: Disaster Recovery **Manager:** Information Technology

Fund: CIF 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
	2022	\$ 5,452,544
	2023	5,452,544
	2024	5,952,544
	2025	5,452,544
	2026	 5,452,544
		\$ 27,762,720

Project Details 2022

Account	Description	I otal Amount
Expenses		
521301	Consulting/Profess Serv Tech	5,452,544
	Total Expenses:	\$ 5,452,544

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Number: Project Title: Fund: Department:	7000011 Intelligent Transportation Syste support Traffic and Incident Ma CIF Project NTTA-20110-Total Information	nagement	Budget Year: Manager: Project Partner: Total Project Cost:	2022 Information Technology N/A Annual Budget
Project Type:	Technology	recimeregy	Prior Years Cost:	-
Description:	systems placed at high impact lo	ocations along NTTA l Vay Driver enhancem	Roadways, and other in ents, replacement of Vi	and microwave vehicle detection telligent transportation system related deo Management System, enhancements
Justification:	existing CCTV coverage gaps an locations recommended by the department also has several pla improved DMS signs, enhancem	d will be selected by to the trivial of trivial of the trivial of trivial of the trivial of trivial	the Traffic and Incident entified traffic and inci- to the ITS system like no management system e monitoring and managose incidents. The infor-	
Comments:	N/A			
Project Forecast Year			Total Budge	t
2	022		\$ 1,350,000	
	023		250,000	
	024		250,000	
	025		250,000	
2	026		450,000	
			\$ 2,550,000	
Project Details 2022				
Account	Description			Total Amount
Expenses	•			
531651	Software			50,000
541403	Infrastructure - Other			1,300,000
	Total Expenses:			\$ 1,350,000
Operating Budget Impact				
Budget Year		Exp (Rev)	FTE Impact	
None		None	None	_
None		none	none	

Project Number: Project Title: Fund: Department: Project Type:	7000016 Data Storage for images, da CIF Project NTTA-20110-Total Informa Technology		Budget Year: Manager: Project Partner: Total Project Cost: Prior Years Cost:	2022 Information Technology N/A Annual Budget
Description:	NTTA systems use consider applications, videos from the	_	images from the lanes to	pursue transactions, databases for all
Justification:	service our customers on o	ur facilities, and runni needed to support bu	ing NTTA operations. Th	ling pursuing ZipCash transaction, ese funds will be used to keep storage expand its facilities and processes
Comments:	N/A			
Project Forecast				
Year			Total Budge	et
	2022		\$ 2,316,000)
	2023		1,500,000	
	2024		2,500,000	
	2025		1,000,000	
	2026		2,500,000	<u>) </u>
			\$ 9,816,000	
Project Details 2022				
Account	Description			Total Amount
Expenses				
531641	Computers Total Expenses:			2,316,000 \$ 2,316,000
Operating Budget Impact				
Budget Year		Exp (Rev)	FTE Impact	
None		None	None	_

Project Number: 7000017 Budget Year: 2022

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
	2022	-
	2023	-
	2024	200,000
	2025	-
	2026	200,000
		\$ 400,000

Project Details 2022

Account Description Total Amount

Expenses

Total Expenses:

Operating Budget Impact

Budget YearExp (Rev)FTE ImpactNoneNoneNone

Project Number: 7000018 Budget Year: 2022

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
	2022	\$ 650,000
	2023	350,000
	2024	350,000
	2025	350,000
	2026	350,000
		\$ 2,050,000

Project Details 2022

Account	Description	Total Amount
Expenses		_
521301	Consulting/Profess Serv Tech	300,000
531641	Computers	250,000
531651	Software	100,000
	Total Expenses:	\$ 650,000

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Number: Project Title: Fund: Department: Project Type:	7000021 PeopleSoft HR HCM Enhancem CIF Project NTTA-20110-Total Information Technology		Budget Year: Manager: Project Partner: Total Project Cost: Prior Years Cost:	2022 Information Technology N/A Annual Budget
Description:	PeopleSoft HR HCM Enhancem Project and succession plannin	_	CA, new GUI interface in	HR. Also Includes Contingent Worker
Justification:	Federal reporting and significa	nt Oracle applicat	ion releases and any nev	v business functions as requested by HR
Comments:	N/A			
Project Forecast				
Year			Total Budge	<u>et</u>
	2022		\$ 300,000	
	2023		300,000)
	2024			-
	2025			-
	2026		\$ 600,000	<u>-</u> 1
Develope Details 2022			φ 000,000	,
Project Details 2022 Account	Description			Total Amount
Expenses	Description			i otai Ailloulit
521301	Consulting/Profess Serv Tech			300,000
321301	Total Expenses:			\$ 300,000
Operating Budget Impact				
Budget Year		Exp (Rev)	FTE Impact	
None		None	None	

Project Number: 7000022 **Budget Year:** 2022 **Project Title:** Digital Aerial Photography Manager: Information Technology Fund: **CIF** Project **Project Partner:** N/A NTTA-20110-Total Information Technology **Total Project Cost: Annual Budget Department: Prior Years Cost: Project Type: Technology** The funds will be used to provide high-resolution, aerial photography of our roadways and assets for Project **Description:** 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. N/A **Comments: Project Forecast** Year **Total Budget** \$ 86,000 2022 2023 86,000 2024 86,000 2025 86,000 2026 88,500 432,500 **Project Details 2022 Account Description Total Amount Expenses**

Operating Budget Impact

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Consulting/Profess Serv Tech

Total Expenses:

521301

86,000

86.000

Project Number: 7000033 Budget Year: 2022

Project Title: Microsoft Enterprise Agreement **Manager:** Information Technology

Fund: CIF 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
	2022	\$ 3,976,825
	2023	4,300,000
	2024	4,600,000
	2025	4,700,000
	2026	4,700,000
		\$ 22,276,825

Project Details 2022

Account	Description	Total Amount
Expenses		
531651	Software	3,976,825_
	Total Expenses:	\$ 3,976,825

Budget Year	Exp (Rev)	FTE Impact	
None	None	None	

Project Number: Project Title: Fund: Department: Project Type:	7000040 Expand Virtualization CIF Project NTTA-20110-Total Information ' Technology	Technology	Budget Year: Manager: Project Partner: Total Project Cost: Prior Years Cost:	2022 Information Technology N/A Annual Budget
Description:	1	TA locations. Thi	s fund will allow us to a	is is a way to allow secure access to dd additional virtual desktops and also
Justification:	procure new servers and deskto virtualization aids to replicate sy	ps on the fly and extems efficiently	create a more robust an thus provides safer way	s to utilize hardware to the fullest, easily d mobile environment. In addition, y to recover systems during disaster at of our current data center as business
Comments:	N/A			
Project Forecast	•			
Year			Total Budge	<u>et</u>
	2022		\$ 2,004,913	
	2023		1,815,110	
	2024		1,627,714	
	2025		1,692,823	3
	2026		2,000,000	<u>) </u>
			\$ 9,140,560	
Project Details 2022				
Account	Description			Total Amount
Expenses	•			
531651	Software			2,004,913
	Total Expenses:			\$ 2,004,913
Operating Budget Impact				
Budget Year		Exp (Rev)	FTE Impact	
None		None	None	<u> </u>

Project Number: 7000042 Budget Year: 2022

Project Title: Computer Hardware Upgrade **Manager:** Information Technology

Fund: CIF 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
	2022	\$ 2,800,000
	2023	1,000,000
	2024	2,000,000
	2025	2,000,000
	2026	2,000,000
		\$ 9,800,000

Project Details 2022

Account	Description	Total Amount
Expenses		
531641	Computers	2,800,000
	Total Expenses:	\$ 2,800,000

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Number: Project Title: Fund: Department: Project Type:	7000050 GIS Enhancement CIF Project NTTA-20110-Total Information Technology Technology	Mana Proje Total	et Year: ger: ct Partner: Project Cost: Years Cost:	2022 Information Technology N/A Annual Budget
Description:	Continue to build and scale GIS to meet business den 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	nands by adding the following technol	ogies:	
Justification:	 Enhanced field data collection of roadway assets a Working with AssetWorks to fully integrate GIS & Works solution. ESRI software enhancement to add real-time data Traffic Sensor Data, etc) Moving to an enterprise platform to add more functions. POC of Safe Software's data integration platform (6. Next Generation GIS - AI/Alexa & LiDAR/3D Mode) 	AssetWorks. POC to test City Works as feeds to our GIS solution, similar to PA ctionality, support more users, and enl FME) for spatial data to better connect	Turnpike's acc	ident response solution. (Integrating Waze,
Comments:	N/A			
Project Forecast				
Year			Total Budge	<u>t</u>
	022	\$	455,000	
	023		450,000	
	024		355,000	
	025		330,000	
20	026		330,000	_
		\$	1,920,000	
Project Details 202	2			
Account	Description			Total Amount
Expenses				
521301	Consulting/Profess Serv Tech			300,000
531641	Computers			55,000
531651	Software			100,000_
	Total Expenses:			\$ 455,000

Operating Budget Impact Budget Year

Budget Year	Exp (Rev)	FTE Impact	
None	None	None	

Project Number: 7000054 **Budget Year:** 2022

Project Title: Service Desk Software Enhancements **Manager:** Information Technology

Fund: CIF 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
	2022	\$ 275,000
	2023	275,000
	2024	275,000
	2025	275,000
	2026	 275,000
		\$ 1,375,000

Project Details 2022

Account	Description	Total Amount
Expenses		
521201	Consulting/Professional	275,000
	Total Expenses:	\$ 275,000

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Number:	7000056	Budget Year:	2022
Project Title:	Toll Collection System Implementation	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:	\$ 70,718,754
Description:	The funds will be used to design and implement	a new tolling system to re	eplace existing back office toll system.

Justification: These funds accounts for remaining implementation costs that were originally budgeted and not used in 2020

but will be paid in 2021 as the project schedule moved from 2020 to 2021.

Comments: N/A

Project Forecast

Year		Total Budget
	2022	\$ 1,736,332
	2023	-
	2024	-
	2025	-
	2026	-
		\$ 1,736,332

Project Details 2022

Account	Description	Total Amount
Expenses		
531651	Software	1,736,332
	Total Expenses:	\$ 1,736,332

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Number: 7000064 **Budget Year:** 2022 **Project Title:** Board Room Video/Presentation Enhancement Manager: Information Technology Fund: **CIF** Project **Project Partner:** N/A NTTA-20110-Total Information Technology **Total Project Cost: Annual Budget Department: Prior Years Cost: Project Type: Technology** This fund will be used to enhance presentation or visual capabilities within the conference/board conference **Description:** room. **Justification:** It is important to upgrade technologies capabilities within the conference/board room areas. N/A **Comments: Project Forecast** Year **Total Budget** 2022 \$ 100,000 2023 100,000 100,000 2024 2025 100,000 2026 100,000 \$ 500,000 **Project Details 2022 Description Total Amount** Account **Expenses** 541403 Infrastructure - Other 100,000 **Total Expenses:** \$ 100,000 **Operating Budget Impact Budget Year FTE Impact** Exp (Rev) None None None

Project Number: 7000068 Budget Year: 2022

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
	2022	\$	1,000,000
	2023		1,000,000
	2024		1,000,000
	2025		650,000
	2026		650,000
		<u> </u>	4,300,000

Project Details 2022

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

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Number: Project Title: Fund: Department: Project Type:	7000070 Multi-Channel Communications CIF Project NTTA-20110-Total Information Technology	Technology	Budget Year: Manager: Project Partner: Total Project Cost Prior Years Cost:	2022 Information Tech N/A t: Annual Budget	nology -	
Description:	Add and enhance Call Center sy	stem functionality	to meet CSC needs.			
Justification:	* Voice assessment * Remote Call Centers * MPLS Communication * Tokenization * IVR Script Improvements * Workforce Management Improvem * Quality Monitoring Improvem * Multi-Channel Applications (to * Inbound Channel line increase * Infrastructure * Phones/Softphones * Licensing * Software Upgrades	ents witter,facebook,w	eb chat)			
Comments:	N/A					
Project Forecast						
Year			Total Bud			
	2022 2023 2024 2025 2026		\$ 600,0 600,0 1,700,0 4,400,0 1,000,0 8,300,0	00 00 00 00		
Project Details 2022						
Account	Description				Total	Amount
Expenses						
521301	Consulting/Profess Serv Tech Total Expenses:				\$	600,000 600,000
Operating Budget Impact Budget Year None		Exp (Rev) None	FTE Impact			
INOTIC		INUITE	INUITE			

Project Number: 7000071 **Budget Year:** 2022 **Project Title:** LoneStar Module Expansion Manager: **Information Technology** Fund: **CIF** Project **Project Partner:** N/A NTTA-20110-Total Information Technology **Total Project Cost: Annual Budget Department: Prior Years Cost: Project Type: Technology** Lonestar is the advanced traffic management system used by Traffic and Incident management team. These funds **Description:** will be used to expand features and functionality of the LoneStar Modules to meet the business needs. Modules include new functionality for Lane Closure and advanced Wrong Way Driver functionality etc. to support **Justification:** the needs for Traffic and Incident management team. N/A Comments: **Project Forecast Total Budget** Year 2022 \$ 175,000 175,000 2023 2024 175,000 2025 175,000 175,000 2026 875,000 **Project Details 2022 Account Description Total Amount Expenses** 521301 Consulting/Profess Serv Tech 175,000 175,000 **Total Expenses: Operating Budget Impact Budget Year** Exp (Rev) **FTE Impact**

None

None

None

Project Number: 7000086 Budget Year: 2022

Project Title: NTTA Employee Portal Manager: Information Technology

Fund: CIF 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
	2022	\$ 100,000
	2023	200,000
	2024	-
	2025	-
	2026	-
		\$ 300,000

Project Details 2022

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

Budget Year	Exp (Rev)	FTE Impact	
None	None	None	

Project Number: 7000110 **Budget Year:** 2022 Information Technology **Project Title: Enterprise Content Management** Manager: **CIF** Project **Project Partner:** Fund: N/A **Total Project Cost: Department:** NTTA-20110-Total Information Technology **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 this fund will be used for SaaS implementation of the product currently being used by

Project Delivery Team

Comments: N/A

Project Forecast

Year		Total Budget
	2022	\$ 100,000
	2023	-
	2024	-
	2025	-
	2026	-
		\$ 100,000

Project Details 2022

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

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Number: Project Title: Fund: Department: Project Type:		7000112 Contract Management System CIF Project NTTA-20110-Total Information Technology	Technology	Budget Year: Manager: Project Partner: Total Project Cost: Prior Years Cost:	2022 Information Technology N/A Annual Budget
Description:		Funds will be used to implement of contracts by procurement.	t a contract ma	nagement system that r	replaces the current manual monitoring
Justification:		Current manual processes are commanagement workflow and allow		_	tem will automate the contract
Comments:		N/A			
Project Forecast Year				Total Budget	
Tear	2022 2023 2024 2025 2026			\$ 120,000 - - - 120,000 \$ 240,000	_
Project Details 2022					
Account		Description			Total Amount
Expenses 531651		Software Total Expenses:			120,000 \$ 120,000
Operating Budget Impact					
Budget Year		1	Exp (Rev)	FTE Impact	_
None		1	None	None	

Project Number: 7000113 Budget Year: 2022

Project Title: Reporting Tool for BDD Manager: Information Technology

Fund: CIF Project Project Project Partner: N/A

Department: NTTA-20110-Total Information Technology **Total Project Cost:** Annual Budget

Project Type: Technology Prior Years Cost:

Description: Business Diversity Tracking is a replacement of the BD services provided by Early Morning Software.

Justification: Complete implementation of the Business Diversity Tracking system that started last year

Comments: N/A

Project Forecast

Year		Total Budget
	2022	\$ -
	2023	50,000
	2024	-
	2025	-
	2026	-
		\$ 50,000

Project Details 2022

Account Description Total Amount

Expenses

Total Expenses:

Operating Budget Impact

Budget YearExp (Rev)FTE ImpactNoneNoneNone

Project Number: Budget Year: 7000115 2022 C*Cure Facility Access System **Project Title:** Manager: **Information Technology Project Partner: Fund: CIF** Project N/A NTTA-20110-Total Information Technology **Total Project Cost: Annual Budget Department: Prior Years Cost: Project Type:** Technology

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
	2022		-
	2023		500,000
	2024		-
	2025		-
	2026		-
		\$	500,000

Project Details 2022

Account Description Total Amount

Expenses

Total Expenses:

Operating Budget Impact

Budget YearExp (Rev)FTE ImpactNoneNoneNone

Project Number: 7000116 Budget Year: 2022

Project Title: Backup System Manager: Information Technology

Fund: CIF Project 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
	2022	\$	450,000
	2023		475,000
	2024		475,000
	2025		475,000
	2026		500,000
		<u> </u>	2.375.000

Project Details 2022

Account	Description	Total Amount
Expenses		
521301	Consulting/Profess Serv Tech	275,000
531641	Computers	75,000
531651	Software	100,000
	Total Expenses:	\$ 450,000

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Number: Budget Year: 2022 7000117 **Project Title:** Lane System Assessment and Pilot Manager: **Information Technology** projects with emerging technologies Fund: CIF Project **Project Partner:** N/A NTTA-20110-Total Information Technology **Total Project Cost: Annual Budget Department: Project Type:** Technology **Prior Years Cost:** This fund will be used to assess the condition of the aging lane equipment and conduct lane audits to determine **Description:** 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. **Iustification:** 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 the CIF fund. N/A **Comments: Project Forecast Total Budget** Year 2022 2,000,000 1,300,000 2023 2024 5,000,000 2025 2,000,000 1,200,000 2026 11,500,000 **Project Details 2022 Description Total Amount** Account **Expenses** 521301 Consulting/Profess Serv Tech 2,000,000 **Total Expenses:** 2,000,000 **Operating Budget Impact Budget Year** Exp (Re FTE Impact

None

None

None

Project Number: Budget Year: 7000128 2022 **Information Technology Project Title:** CSC Queue Mgmt and Appointments Manager: **Fund: Project Partner:** N/A **CIF** Project NTTA-20110-Total Information Technology **Total Project Cost: Annual Budget Department: Prior Years Cost: Project Type:** Technology

, , , ,

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
2022	\$ 300,000
2023	150,000
2024	150,000
2025	150,000
2026	 150,000
	\$ 900,000

Project Details 2022

Account	Description	Total Amount
Expenses		_
521301	Consulting/Profess Serv Tech	100,000
531641	Computers	100,000
531651	Software	100,000
	Total Expenses:	\$ 300,000

Budget Year	Exp (Rev)	FTE Impact	
None	None	None	

Project Number: Project Title: Fund: Department: Project Type:	7000130 Enterprise Systems Monito CIF Project NTTA-20110-Total Informa Technology	J	Budget Year: Manager: Project Partner: Total Project Cost: Prior Years Cost:	2022 Information Technology N/A Annual Budget
Description:		ıp-time. This inclu		ems more efficiently in order to meet the outers and networking for Gleneagles,
Justification:	This level of monitoring is cappropriate actions.	critical to detect sy	stem faults and warning	s to send to proper teams to take
Comments:	N/A			
Project Forecast				
Year			Total Budge	et_
	2022		\$ 600,000)
	2023		600,000)
	024		600,000)
	025		600,000)
2	026		700,000	
			\$ 3,100,000	
Project Details 2022				
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 Number: 7000134 **Budget Year:** 2022

Project Title: Back Office System **Manager:** Information Technology

Fund: CIF Project Project Partner: N/A

Department:NTTA-20110-Total Information TechnologyTotal Project Cost:\$ 77,800,000Project Type:TechnologyPrior Years Cost:\$ 8,476,013

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
2022	\$ 10,670,053
2023	10,760,472
2024	10,852,718
2025	10,946,829
2026	 11,546,829
	\$ 54,776,901

Project Details 2022

Account	Description	Total Amount
Expenses		·
521301	Consulting/Profess Serv Tech	8,670,053
531651	Software	2,000,000
	Total Expenses:	\$ 10,670,053

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Number:7000172Budget Year:2022Project Title:Infrastructure Managed Services - Data CentersManager:Information Technology

Fund: CIF Project **Project Partner:** N/A **Department:** NTTA-20110-Total Information Technology **Total Project Cost:** Ann

Department:NTTA-20110-Total Information TechnologyTotal Project Cost:Annual BudgetProject Type:TechnologyPrior 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
2022	\$ 5,629,876
2023	5,729,876
2024	5,900,000
2025	5,900,000
2026	 5,900,000
	\$ 29,059,752

Project Details 2022

Account	Description	Total Amount
Expenses		
521301	Consulting/Profess Serv Tech	5,629,876_
	Total Expenses:	\$ 5,629,876

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Number: 7000173 **Budget Year:** 2022

Project Title: Cloud Expansion Project **Manager:** Information Technology

Fund: CIF Project Project Project 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
2022	\$ 1,300,000
2023	5,000,000
2024	4,000,000
2025	1,000,000
2026	 3,000,000
	\$ 14,300,000

Project Details 2022

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

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Number: 7000174 **Budget Year:** 2022

Project Title: PeopleSoft Replacement Project **Manager:** Information Technology

Fund: CIF 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
	2022	\$ -
	2023	500,000
	2024	2,000,000
	2025	2,000,000
	2026	 2,000,000
		\$ 6,500,000

Project Details 2022

Account Description Total Amount

Expenses

Total Expenses:

Operating Budget Impact

Budget YearExp (Rev)FTE ImpactNoneNoneNone

Project Number: 7000175 Budget Year: 2022

Project Title: Increase Equinix Data Center Applications for Risk **Manager:** Information Technology

Mitigation

Fund: CIF Project Project Project 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 data center 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 upto 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 Budge
2022	\$ 1,500,000
2023	400,000
2024	400,000
2025	800,000
2026	800,000
	\$ 3,900,000

Project Details 2022

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

Budget Year	Exp (Rev)	FTE Impact	
None	None	None	

Project Number: 7000176 Budget Year: 2022

Project Title: CJIS Compliance Manager: Information Technology

Fund: CIF 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
2022	\$ 300,000
2023	300,000
2024	400,000
2025	300,000
2026	 300,000
	\$ 1,600,000

Project Details 2022

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

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Number: 7000177 **Budget Year:** 2022

Project Title: New Debt and Cash Management Software **Manager:** Information Technology

Fund: CIF 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
	2022	\$	100,000
	2023		200,000
	2024		-
	2025		-
	2026		-
		<u> </u>	300.000

Project Details 2022

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

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Number: 7000179 Budget Year: 2022

Project Title: Lockbox Replacement Assessment Manager: Information Technology

Fund: CIF 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
	2022	\$ 500,000
	2023	500,000
	2024	-
	2025	-
	2026	-
		\$ 1,000,000

Project Details 2022

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

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Number: 7000180 Budget Year: 2022

Project Title: CSC Print Vendor **Manager:** Information Technology

Fund: CIF Project Project Project N/A

Department: NTTA-20110-Total Information Technology **Total Project Cost:** Annual Budget

Project Type: Technology Prior Years Cost:

Description: Re-procure Print Vendor

Justification: Standard procurement process

Comments:

Project Forecast

Year		Total Budget
	2022	\$ 300,000
	2023	2,500,000
	2024	-
	2025	-
	2026	-
		\$ 2,800,000

Project Details 2022

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

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Number: 7000181 **Budget Year:** 2022 **Project Title:** Payment Processor Replacement Manager: **Information Technology** CIF Project **Project Partner:** Fund: N/A **Department:** NTTA-20110-Total Information Technology **Total Project Cost: Annual Budget Prior Years Cost: Project Type:** Technology **Description:** Re-procure Payment processing Vendor Standard procurement process **Justification: Comments: Project Forecast** Year **Total Budget** 2022 2023 2024 2025 500,000 2,000,000 2026 \$ 2,500,000 **Project Details 2022**

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

Description

Total Expenses:

Account

Expenses

Total Amount

Project Number: 7000183 Budget Year: 2022

Project Title: CSC Business Continuity **Manager:** Information Technology

Fund: CIF 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
	2022	1,300,000
	2023	275,000
	2024	225,000
	2025	225,000
	2026	 225,000
		\$ 2,250,000

Project Details 2022

Account	Description	Total Amount
Expenses		<u> </u>
521301	Consulting/Profess Serv Tech	200,000
531641	Computers	500,000
531651	Software	600,000
	Total Expenses:	\$ 1,300,000

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Number: 7000184 Budget Year: 2022

Project Title: Planned Collection Initiatives Manager: Information Technology

Fund: CIF 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
2022	\$ 4,600,000
2023	6,400,000
2024	2,600,000
2025	1,400,000
2026	 1,400,000
	\$ 16,400,000

Project Details 2022

Account	Description	Total Amount
Expenses		·
521301	Consulting/Profess Serv Tech	4,500,000
531651	Software	100,000
	Total Expenses:	\$ 4,600,000

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Budget Year	Exp (Rev)	FTE Impact	
None	None	None	

Project Number: Project Title: Fund: Department: Project Type:	7000187 Semafone CIF Project NTTA-20110-Total Informa Technology	tion Technology	Budget Year: Manager: Project Partner: Total Project Cost: Prior Years Cost:	2022 Information Technology N/A : Annual Budget
Description:	Semafone solution help pro	l) compliance. It prot	card data and reduce s ect credit card number	systems that are in-scope for with received over the phone call with an
Justification:	Semafone solution provides 1. Avoids credit cards flowin 2. Reduce risk by not storing 3. Reduce the number of in-	ng through our applic g or having access to	rations and databases credit cards.	
Comments:				
Project Forecast Year			Total Bud	get
	2022		\$ 200,00	
	2023		200,00	00
	2024		200,00	00
	2025		200,00	00
	2026		200,00	
			\$ 1,000,00	00
Project Details 2022				
Account	Description			Total Amount
Expenses				
531651	Software Total Expenses:			\$ 200,000
Operating Budget Impact				
Budget Year		Exp (Rev)	FTE Impact	
None		None	None	<u> </u>

2022

Project Number: 7000188 Budget Year:

Project Title: Expand Parking Using TollTag **Manager:** Information Technology

Fund: CIF 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
	2022	\$ 300,000
	2023	300,000
	2024	-
	2025	-
	2026	-
		\$ 600,000

Project Details 2022

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

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Number: 7000190 Budget Year: 2022

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
	2022	\$ 300,000
	2023	-
	2024	-
	2025	-
	2026	-
		\$ 300.000

Project Details 2022

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

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Number: 7001252 Budget Year: 2022

Project Title: Windows Server Upgrade - New Operating Manager: Information Technology

System Versions

Fund: CIF Project Project Project 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
	2022	\$ 800,000
	2023	800,000
	2024	700,000
	2025	500,000
	2026	 500,000
		\$ 3,300,000

Project Details 2022

Account	Description	Total Amount
Expenses		
531641	Computers	800,000
	Total Expenses:	\$ 800.000

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Number: Project Title: Fund: Department: Project Type:		7001253 Command Center Radio Upgra CIF Project NTTA-20110-Total Information		Budget Year: Manager: Project Partner: Total Project Cost: Prior Years Cost:	2022 Information Tech N/A Annual Budget	nology	
Description:		Enhance or add to the Radio (ommunications	System used by the Safe	ety Operations Cent	er (SOC)	
Justification:		* Upgrade Cisco Instant Conne * Upgrade Motorola Radio Dis * Software maintenance supp	patch Consoles	Software			
Comments:		N/A					
Project Forecast Year				Total Budge	et		
	2022 2023 2024 2025 2026			\$ 250,000 250,000 \$ 500,000) - - -)		
Project Details 2022 Account		Description				Total	l Amount
Expenses		2 coorpoon				Total	
531641		Computers Total Expenses:				\$	250,000 250,000
Operating Budget Impact							
Budget Year			Exp (Rev)	FTE Impact			
None			None	None			

Project Number: 1000030 **Budget Year:** 2022 **Project Title: Facility Improvements** Manager: Maintenance CIF Project **Project Partner:** N/A Fund: **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. To maintain NTTA assets to the Board-approved level of quality. Projects must be performed at the "right **Justification:** time" to prevent higher cost of repairs at a later time. **Comments:** N/A **Project Forecast Total Budget** Year 2022 \$ 4,850,000 2023 4,510,000 2024 3,720,000 2025 3,300,000 2026 3,125,000 \$ 19,505,000 **Project Details 2022 Description Total Amount** Account **Expenses** 541302 **Building Improvements** 4,850,000 **Total Expenses:** 4,850,000 **Operating Budget Impact Budget Year FTE Impact** Exp (Rev)

None

None

None

Project Number: Project Title: Fund: Department: Project Type:	1000042-CIF General Engineering CIF Project NTTA-20510-Total Project Facilities/Roadway	Delivery	Budget Year: Manager: Project Partner: Total Project Cost: Prior Years Cost:	2022 Project Delivery N/A \$ 150,056,1 \$ 487,0	02	
Description:	Professional services provi Improvement projects.	ding project mana	gement oversite for the	planning and desig	n of Capi	tal
Justification:	To maintain NTTA assets to	o the Board-appro	ved level of quality and	ultimately the safe	ty of NTT	'A customers.
Comments:	N/A					
Project Forecast Year			Total Budge	et		
	2022		\$ 100,000	0		
	2023		100,000	0		
	2024		100,000	0		
	2025		100,000	0		
	2026		100,000	0		
			\$ 500,000)		
Project Details 2022						
Account	Description				Tota	l Amount
Expenses	•					
521213	General Engineering					100,000
	Total Expenses:				\$	100,000
Operating Budget Impact						
Budget Year		Exp (Rev)	FTE Impact			
None		None	None			

Project Number: 1000045 Budget Year: 2022

Project Title: Sand Stockpile Manager: Project Delivery

Fund: CIF Project Partner: N/A

Department: NTTA-20510-Total Project Delivery **Total Project Cost:** \$ 90,176,938

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
	2022	\$ 50,000
	2023	475,000
	2024	-
	2025	125,000
	2026	 2,150,000
		\$ 2,800,000

Project Details 2022

Account	Description	Total Amount
Expenses		
541401	Infrastructure Rdway/Hwy/Bridg	50,000
	Total Expenses:	\$ 50,000

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Number: 2000002

Project Title: PGBT 4th Lane Widening

Fund: **Department:** CIF Project

Project Type:

NTTA-20510-Total Project Delivery

Facilities/Roadway

Budget Year:

2022

Project Delivery Manager:

Project Partner:

N/A

Total Project Cost: 150,056,102 **Prior Years Cost:** 110,306,851

Description: Limits:

> Beltline to I-35E - 1 additional lane SH 183 to I -30 - 1 additional lane I-30 to I-20 - 2 additional lanes

Justification: Limits:

N of Beltline to I-35E - Construction: mid 2019 - 2021

I-20 to SH 183: Construction: 2019-2022

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

Year			Total Budget
	2022	\$	3,233,000
	2023		-
	2024		-
	2025		-
	2026		-
		<u> </u>	3,233,000

Project Details 2022

Account	Description	Total Amount
Expenses		
521213	General Engineering	300,000
541401	Infrastructure Rdway/Hwy/Bridg	2,933,000
	Total Expenses:	\$ 3,233,000

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

Project Number: 2000005 Budget Year: 2022

Project Title: PGBT Continuous Illumination **Manager:** Project Delivery

Fund: CIF Project Project Partner: N/A

Department:NTTA-20510-Total Project DeliveryTotal Project Cost:\$ 85,479,157Project Type:Facilities/RoadwayPrior Years Cost:\$ 42,960

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

Justification: Schedule;

Design: Mid 2021-2023 Construction: 2023-2026

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

Project Forecast

Year		Total Budget
	2022	\$ 3,327,144
	2023	14,358,203
	2024	24,192,537
	2025	19,955,138
	2026	 20,620,147
		\$ 82,453,169

Project Details 2022

Account	Description	Total Amount
Expenses		
521213	General Engineering	3,327,144
	Total Expenses:	\$ 3.327.144

Operating Budget Impact

Budget YearExp (Rev)FTE ImpactNoneNoneNone

Project Number: 2100003 Budget Year: 2022

Project Title: DNT 4th Lane (PGBT to SRT) Manager: Project Delivery

Fund: CIF Project Project Partner: N/A

Department:NTTA-20510-Total Project DeliveryTotal Project Cost:\$ 111,193,740Project Type:Facilities/RoadwayPrior Years Cost:\$ 97,940,605

Description: Limits: DNT Improvements from Parker to SRT, adds an additional lane in each direction to DNT.

Justification: Landscape maintenance.

Comments: N/A

Project Forecast

Year	Total Budget
2022	\$ 300,000
2023	-
2024	-
2025	-
2026	-
	\$ 300,000

Project Details 2022

Account	Description	Total Amount
Expenses		
541401	Infrastructure Rdway/Hwy/Bridg	300,000
	Total Expenses:	\$ 300,000

Budget Year	Exp (Rev)	FTE Impact	
None	None	None	

Project Number: 2100007 Budget Year: 2022

Project Title: DNT PH4A Bridges over U.S. 380 **Manager:** Project Delivery

Fund: CIF Project Project Partner: N/A

Department:NTTA-20510-Total Project DeliveryTotal Project Cost:\$ 90,282,242Project Type:Facilities/RoadwayPrior Years Cost:\$ 52,903,990

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
	2022	\$ 11,570,000
	2023	1,300,000
	2024	-
	2025	-
	2026	-
		\$ 12,870,000

Project Details 2022

Account	Description	Total Amount
Expenses		
521213	General Engineering	400,000
541401	Infrastructure	11,170,000
	Total Expenses:	\$ 11,570,000

Budget Year	Exp (Rev)	FTE Impact	
None	None	None	

Project Number:	2100008	Budget Year:	202	2
Project Title:	DNT Phase 4B (Frontage Road)	Manager:	Proj	ect Delivery
Fund:	CIF Project	Project Partner:	Den	ton County
Department:	NTTA-20510-Total Project Delivery	Total Project Cost:	\$	26,849,335
Project Type:	Facilities/Roadway	Prior Years Cost:	\$	4,302,778

Description: Approx. 8 miles: 2 lane frontage road from FM 428 to N. of Denton County Line.

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

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

Project Forecast

Year		Total Budget
	2022	\$ 6,688,007
	2023	200,000
	2024	-
	2025	-
	2026	-
		\$ 6,888,007

Project Details 2022

Account	Description	Total Amount
Expenses		
521213	General Engineering	130,000
541401	Infrastructure	6,558,007
	Total Expenses:	\$ 6,688,007

Budget Year	Exp (Rev) FTE Impact	
2023	1,118,000	0.0

Project Number: 2100010 Budget Year: 2022

Project Title: DNT 4B (Segment 6) **Manager:** Project Delivery

Fund: CIF Project Project N/A

Department:NTTA-20510-Total Project DeliveryTotal Project Cost:\$ 499,511,844Project Type:Facilities/RoadwayPrior Years Cost:\$ 369

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

Justification: Build mainlanes.

Schedule:

Planning: 2024-2025 Design: Start 2026

Comments: Estimate Level E, \$499,511,844

Project Forecast

Year		Total Budget
	2022	-
	2023	10,000
	2024	4,571,368
	2025	4,387,547
	2026	19,791,394
		\$ 28,760,309

Project Details 2022

Account Description Total Amount

Expenses

Total Expenses:

Operating Budget Impact

Budget YearExp (Rev)FTE ImpactNoneNoneNone

Project Number: 2100011 Budget Year: 2022

Project Title: DNT Widening (SRT to U.S. 380) **Manager:** Project Delivery

Fund: CIF Project Partner: N/A

Department:NTTA-20510-Total Project DeliveryTotal Project Cost:\$ 157,329,639Project Type:Facilities/RoadwayPrior Years Cost:\$ 3,692,400

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

Justification: Schedule:

Design- 2021-2022 Construction- 2022-2025 Landscape maintenance: 2026

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

Project Forecast

Year		Total Budget
	2022	\$ 20,293,313
	2023	57,225,341
	2024	46,212,342
	2025	20,474,837
	2026	 1,327,000
		\$ 145,532,833

Project Details 2022

Account	Description	Total Amount
Expenses		
521213	General Engineering	2,579,099
531261	Utility Relocation Costs	285,775
541401	Infrastructure Rdway/Hwy/Bridg	17,428,439
	Total Expenses:	\$ 20,293,313

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Number:	2100012		Budget Year:	2022		
Project Title:	DNT Corridor Capacity Study		Manager:	Proje	ct Delivery	
Fund:	CIF Project		Project Partner:	N/A		
Department:	NTTA-20510-Total Project Deliv	very	Total Project Cost:	\$	2,500,000	
Project Type:	Facilities/Roadway		Prior Years Cost:	\$	4,167	
Description:	General engineering cost to stud	ly possible imp	provements for the DNT	from I-	35E to Grayso	on County.
Justification:	Study for safety, capacity and ot	her operationa	ıl enhancements.			
Comments:	N/A					
Project Forecast						
Year			Total Budge	t		
	022		-			
	023		850,000			
	024		1,100,000			
	025		300,000			
2	026		-	·		
			\$ 2,250,000			
Project Details 2022						
Account	Description					Total Amount
Expenses						
	Total Expenses:					-
Operating Budget Impact						
Budget Year		Exp (Rev)	FTE Impact	_		
None		None	None			

Project Number: 2100013 Budget Year: 2022

Project Title: DNT Ph. 4A Manager: Project Delivery

Fund: CIF Project Project Partner: N/A

Department:NTTA-20510-Total Project DeliveryTotal Project Cost:\$ 349,316,639Project Type:Facilities/RoadwayPrior Years Cost:\$ 1,794,196

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, \$349,316,639

Project Forecast

Year		Total Budget
	2022	\$ 17,034,253
	2023	11,967,156
	2024	40,349,789
	2025	89,838,196
	2026	 77,663,812
		\$ 236.853.206

Project Details 2022

Account	Description	Total Amount
Expenses		
521213	General Engineering	16,336,680
531261	Utility Relocation Costs	697,573_
	Total Expenses:	\$ 17,034,253

Budget Year	Exp (Rev)	FTE Impact	
None	None	None	

Project Number: Project Title: Fund: Department: Project Type:	2100310 DNT South End Design Guide CIF Project NTTA-20510-Total Project D Facilities/Roadway		Budget Year: Manager: Project Partner: Total Project Cost: Prior Years Cost:	2022 Project Delivery N/A \$ 31,213,367	
Description:	Limits: North of I-35E to sout Includes replacement of illunirrigation improvements.		oridge & ROW fencing, s	slope stabilization, land	dscape &
Justification:	This project will start after th	ne completion of the DN'	Γ Corridor Capacity stud	dy.	
Comments:	N/A				
Project Forecast Year			Total Budge	et	
	2022		-	_ ·	
	2023		-	-	
	2024 2025		-	•	
	2026		- 2,286,877	· '	
_	2020		\$ 2,286,877		
Project Details 2022			,		
Account	Description				Total Amount
Expenses					
					-
	Total Expenses:			-	<u> </u>
Operating Budget Impact					
Budget Year		Exp (Rev)	FTE Impact	_	
None		None	None		

Project Number: 2500003 **Budget Year:** 2022

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 **Prior Years Cost:** 151,439,063 **Project Type:**

Facilities/Roadway

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

Justification: Schedule:

Construction: 2019-2021

Landscape maintenance: 2022-2023

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

Project Forecast

Year		Total Budget
	2022	\$ 1,577,762
	2023	2,000,000
	2024	-
	2025	-
	2026	-
		\$ 3 577 762

Project Details 2022

Account	Description	Total Amount
Expenses		
521213	General Engineering	200,000
541401	Infrastructure Rdway/Hwy/Bridg	1,377,762_
	Total Expenses:	\$ 1,577,762

Operating Budget Impact

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

Project Number: 2500004 Budget Year: 2022

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 2022-2023 Construction: 2024-2026

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

Project Forecast

Year			Total Budget
	2022	\$	688,808
	2023		2,361,403
	2024		11,252,551
	2025		14,089,823
	2026		11,627,265
		\$	40,019,850

Project Details 2022

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

Budget Year	Exp (Rev)	FTE Impact	
None	None	None	

Project Number: 3000000 Budget Year: 2022

Project Title: PGBT East Branch **Manager:** Project Delivery

Fund: CIF Project Project Project N/A

Department: NTTA-20510-Total Project Delivery **Total Project Cost:** \$ 1,249,305,659

Project Type: Facilities/Roadway Prior Years Cost: -

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

Justification: Schedule: Planning: 2022-2024

Design & ROW: Starting 2025

Comments: Estimate Level E, \$1,249,305,659

Project Forecast

Year		Total Budget
	2022	\$ 5,861,421
	2023	6,376,442
	2024	7,984,780
	2025	18,008,735
	2026	 25,000,000
		\$ 63,231,378

Project Details 2022

Account	Description	Total Amount
Expenses		
521213	General Engineering	5,861,421_
	Total Expenses:	\$ 5.861.421

Budget Year	Exp (Rev)	FTE Impact	
None	None	None	

N/A

Project Number: 3900001 Budget Year: 2022

Project Title: PGBT/360 Tollway Connector **Manager:** Project Delivery

Fund: CIF Project Project Partner:

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.

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

Project Forecast

Year		Total Budget
	2022	\$ 2,894,849
	2023	6,371,350
	2024	18,973,052
	2025	34,721,387
	2026	50,000,000
		\$ 112,960,638

Project Details 2022

Account	Description	Total Amount
Expenses		
521213	General Engineering	2,894,849_
	Total Expenses:	\$ 2,894,849

Budget Year	Exp (Rev)	FTE Impact	
None	None	None	

Project Number: 7000072 **Budget Year:** 2022

Project Title: MSE Wall Program Manager: **Project Delivery**

Fund: CIF Project **Project Partner:** N/A

Department: NTTA-20510-Total Project Delivery **Total Project Cost:** \$ 98,400,396 46,178,664

Project Type: Facilities/Roadway **Prior Years Cost:**

Retaining wall rehabilitation **Description:**

Justification:

Comments:

Project Forecast

Year	Total Bud	lget
2022	\$ 5,615,0	00
2023	3,000,0	000
2024	16,900,0	000
2025	21,700,0	000
2026	16,400,0	000
	\$ 63,615,0	00

Project Details 2022

Account	Description	Total Amount
Expenses		
541401	Infrastructure Rdway/Hwy/Bridg	5,615,000_
	Total Expenses:	\$ 5,615,000

Budget Year	Exp (Rev)	FTE Impact	
None	None	None	

Project Number: 7200001 Budget Year: 2022

Project Title: CTP South 2-lanes **Manager:** Project Delivery

Fund: CIF Project Project Partner: N/A

Department:NTTA-20510-Total Project DeliveryTotal Project Cost:\$ 239,405,563Project Type:Facilities/RoadwayPrior Years Cost:\$ 129,033

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
2022	\$ 3,600,798
2023	8,593,647
2024	6,399,007
2025	4,628,622
2026	 55,185,082
	\$ 78,407,156

Project Details 2022

Account	Description	1 otal Amount
Expenses		
521213	General Engineering	3,600,798
	Total Expenses	\$ 3,600,798

Budget Year	Exp (Rev)	FTE Impact
None	None	None

Project Number: 7000000 **Budget Year:** 2022

Project Title: Systemwide Safety Improvements **Manager:** Traffic & Incident Management

Fund: CIF Project Project N/A

Department: NTTA-20610-Total Traffic and Incident Management **Total Project Cost:** Annual Budget

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

Year	Total Bud	get
2022	\$ 8,707,0	00
2023	15,782,5	00
2024	20,069,5	00
2025	16,031,0	00
2026	7,700,0	00
	\$ 68,290,00	00

Project Details 2022

Account	Description	Total Amount
Expenses		
541401	Infrastructure Rdway/Hwy/Bridg	8,707,000
	Total Expenses:	\$ 8.707.000

Budget Year	Exp (Rev)	FTE Impact	
None	None	None	



SRT (East) Widening Improvement Placing concrete for traffic rail

APPENDICES



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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 2022, the Authority's executive management anticipates a transfer of \$12.5 million to establish an \$87.5 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

April - May: Capital Projects Prepared

Departments create new projects; update previous year projects numbers and/or extend years.

June: Capital Plan Projects Reviewed

Directors, Assistant Executive Directors and Executive Management Team review and approve the projects. Departmental meetings with Executive Management Team and Treasury Maagement are held during this time.

July: Five-Year Capital Plan Created

Treasury Management creates the Five-Year Capital Plan with the approved projects. The plan book is reviewed by Assistant Executive Directors and Executive Management Team.

October: Draft Five-Year Capital Plan Discussion

The Five-Year Capital Plan is presented at the public monthly Finance, Audit, and Administration Committee meeting for discussion. Any changes will be incorporated into the plan at this time.

November: Final Plan Presented for Review

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

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

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

Appendix C - FY2022 Capital Plan Budget Calendar

Date Event

Dale	LVCIIL
April 15, 2021 (Thursday)	Executive Director's FY2022 Budget Meeting wth Assistant Executive Directors to discuss budget priorities and overall direction, including compensation and benefits
April 16, 2021 (Friday)	Budget Kickoff Meeting with Department Directors
June 11, 2021 (Friday)	Directors Approve Departmental Budgets, Decision Packages, and Capital Projects in Questica
June 18, 2021 (Friday)	Board Budget Workshop
June 18, 2021 (Friday)	AEDs Approve Departmental Budgets, Decision Packages, and Capital Projects in Questica
June 25, 2021 (Friday)	Executive Management Team Approves Departmental Budgets, Decision Packages, and Capital Projects
June 28 - July 16, 2021	Capital Plan book assembled by Treasury
August 27, 2021 (Friday)	Capital Plan book Review by Executive Management Team completed
September 17, 2021 (Friday)	Five-Year Capital Plan book delivered to Board Members
October 7, 2021 (Thursday)	Finance Audit and Administration Committee Five-Year Capital Plan First Review
September 30 - Oct. 22, 2021	Incorporate any updates to CP
November 4, 2021 (Thursday)	Finance Audit amnd Administration Committee Five-Year Capital Plan Second Review
November 17, 2021 (Wednesday)	Board Meeting Five-Year Capital Plan Approval
Assumes Thursday	/ Committee Meetings and Wednesday Board Meetings Board events highlighted in blue

Toll revenue collected on the NTTA System is the Authority's major source of revenue. It accounts for an estimated \$910.1 million or 95.0% of the total estimated revenue in the FY2022 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.

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 6.1% per year between FY2022 and FY2026.

Estimated NTTA System Annual Toll Revenue										
Roadway		FY2022		FY2023		FY2024		FY2025		FY2026
DNT	\$	269,111,000	\$	294,403,900	\$	312,086,500	\$	326,400,300	\$	341,680,200
PGBT		277,728,300		308,137,200		328,697,000		345,278,400		362,785,200
AATT		1,228,900		1,379,600		1,502,900		1,567,600		1,630,600
MCLB		1,463,400		1,650,800		1,779,500		1,853,200		1,929,500
LLTB		9,480,500		10,185,200		10,824,500		11,324,500		11,848,300
SRT		205,505,900		216,525,100		228,714,500		239,883,600		251,701,800
360 Tollway		20,403,500		22,989,900		25,081,600		27,058,800		29,224,000
PGBT WE		63,785,500		72,910,500		81,213,900		86,594,700		92,057,800
CTP		61,420,400		66,174,400		70,712,800		75,298,400		80,311,800
System Totals	\$ 9	910,127,400	\$	994,356,600	\$ 1	,060,613,200	\$ 1	,115,259,500	\$ 1	1,173,169,200

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.

- 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.

- 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

	A	B	D	E	F
FY Ending 12/31	First Tier Net Debt Service	Second Tier Net Debt Service	ISTEA Loan Debt Service	Subordinated Lien Bonds Debt Service	Total Net Debt Service
2021	361,995,324	145,176,083	15,322,396	3,962,140	526,455,942
2022	386,275,404	202,327,663	15,322,396	8,632,627	612,558,090
2023	426,250,905	212,268,013	15,322,396	8,631,332	662,472,645
2024	447,551,323	234,150,263	15,322,396	8,636,443	705,660,424
2025	478,351,737	203,353,263	15,322,396	8,641,552	705,668,947
2026	484,103,285	197,595,513	15,322,396	8,640,533	705,661,727
2027	487,428,003	194,273,013	15,322,396	8,642,541	705,665,952
2028	502,378,733	182,092,513	15,322,396	8,646,166	708,439,807
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	<u>-</u>	_	719,753,655
2034	535,092,166	184,672,513	<u>-</u>	_	719,764,678
2035	558,711,881	161,049,463	-	_	719,761,344
2036	584,561,811	135,202,563	<u>-</u>	_	719,764,374
2037	634,475,397	85,292,370	-	_	719,767,768
2038	487,732,454	83,037,363	<u>-</u>	_	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
Total	\$ 11,172,424,480	\$ 4,452,393,986	\$ 122,579,168	\$ 64,433,334	\$ 15,811,830,968

Appendix F - Estimated Operating Expenditures by Account

Salaries and Wage-Overtimer (511201)			Estimated FY2022 - FY2026							
Salaries and Wage-Overtimer (511201)	Description	FY2021 Budget	FY2022	FY2023	FY2024	FY2025	FY2026			
Group Insurance - (\$12101)	Salaries and Wages-Direct - (511101)	\$46,618,115	\$45,738,425	\$47,110,578	\$48,523,895	\$49,979,612	\$51,479,000			
Retriement Contributions (512401)	Salaries and Wage-Overtime - (511301)	811,849	764,676	787,617	811,245	835,583	860,650			
Retirement Contributions (512401)	Group Insurance - (512101)	9,494,855	9,769,173	10,062,248	10,364,116	10,675,039	10,995,290			
Tuition Reimbursement (512501) 11,770 11,770 12,123 12,481 12,481 13,148 13,148 135,128 139,18 14,14 10,12 104,248 107,37 15,193 15,797,37 14,666,62 1,695,03 1,695,0	Retirement Contributions - (512401)			7.872.106			8,602,062			
Deemployment Insurance- (512601) 123,661 123,661 127,371 131,102 135,128 139,188	Tuition Reimbursement - (512501)				, ,		13,247			
Worker's Comp Ins - (\$12701) 237,285 237,285 244,44 251,736 259,288 267,06 Meeting Expense (\$21101) 19,272 50,402 98,264 10,212 104,248 107,37 Consulting/Professional (\$21202) 1,781,8181 1,781,8181 1,781,8181 1,781,8181 1,781,8181 1,781,811 1,791,326 1,695,036 1,695,355 202,245 208,31 Tustice Foes (\$21203) 185,083 185,083 196,355 196,355 202,245 208,31 Tustice Foes (\$21204) 280,003 485,000 465,000 477,405 491,727 506,47 Police Services (\$21209) 1,125,880 10,91,011 11,011,772 11,602,389 1,091,011 11,011,772 11,602,389 12,092,00 Armored Car Services - (\$21209) 1,125,880 1,091,011 1,011,1772 1,141,241 1,141,241 1,141,241 1,141,241 1,141,241 1,141,241 1,141,241 1,141,241 1,141,241 1,141,241 1,141,241 1,141,241 1,141,241 1,141,241 1,141,241 1,141,2	Unemployment Insurance - (512601)	123,661	123,661	127,371			139,182			
Meeting Expenses (6211011)	Regional Tolling Services	(21,608,319)	(25,163,275)	(25,918,173)	(26,695,718)	(27,496,590)	(28,321,488)			
Meeting Expenses (521101)	Worker's Comp Ins - (512701)	237,285	237,285	244,404	251,736	259,288	267,066			
Consulting/Frofessional (521201) 12,621,373 15,060,077 15,511,983 15,977,342 16,456,662 1,950,353 Legal Fees (521203) 185,083 185,083 196,035 196,335 20,245 20,831 Traffic fingineering Fees (521204) 280,003 185,083 196,055 196,335 20,245 20,831 Traffic fingineering Fees (521209) 450,000 450,000 465,000 477,405 491,727 506,477 Police Services (521209) 50,142 50,142 51,646 51,342 56,432 Armord Car Services (521209) 41,500 61,500 63,345 56,525 67,203 96,212 Landscaping (522202) 41,500 61,500 63,345 56,245 67,203 96,221 Rentals - Land (52301) 423,515 18,822 162,754 167,637 17,666 17,846 438,390 38,752 Rentals - Land (52302) 18,662 162,754 167,637 17,266 17,7846 448,759 Postage (523201) 1,866,670 2,159,912 2,	Meeting Expense - (521101)						107,376			
Legal Fees - (\$21202) 1,738,181 1,738,181 1,738,181 1,738,181 1,738,181 1,738,181 1,90,325 1,849,355 202,245 208,331 Trustee Fees - (\$21204) 280,031 280,031 288,432 297,085 305,997 315,177 Traffic Engineering Fees - (\$21209) 450,000 463,000 463,500 477,405 491,272 506,47 Police Services (\$121209) 50,142 50,142 51,646 53,196 54,792 56,43 Outside Maintenance Services - (\$21212) 33,382,536 36,740,337 35,825,47 36,856,023 379,61,704 39,103,52 Rentals - Land - (\$22301) 423,151 318,752 23,2315 38,164 348,309 38,875 Rentals - Land - (\$22301) 9,843,959 3,977,708 4,967,039 4,219,950 4,346,549 4,476,94 Postage - (\$23201) 9,843,959 1,290,000 13,287,000 1,386,461 1,409,419 1,476,44 1,476,44 Postage - (\$23202) 1,686,70 2,154,912 2,135,99 2,286,146 2,35	Consulting/Professional - (521201)						16,950,362			
Audling Fees - (521203) 185,083 195,083 190,635 202,245 208,311 Traffic Engineering Fees - (521207) 450,000 450,000 453,000 450,000 </td <td>Legal Fees - (521202)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1,956,338</td>	Legal Fees - (521202)						1,956,338			
Trustee Fees - (521204) 280,031 280,331 288,432 297,085 305,997 315,177 Traffic Engineering Fees - (521208) 11,257,880 10,691,041 11,11772 11,342,125 11,682,389 12,932,86 Armored Car Services - (521209) 50,142 50,142 51,646 53,196 54,92 56,432 Outside Maintenance Services - (521212) 33,382,536 34,740,337 35,825,47 36,866,023 37,961,704 39,108,56 Entlast- Funding - (522202) 423,151 318,752 23,8315 381,64 348,309 38,875 Rentlast- Funding - (522201) 423,151 318,752 23,8315 381,66 179,846 181,831 Insurance Expense - Other - (523101) 2,896,957 3,977,708 4,997,039 4,219,950 4,346,549 4,476,94 Postage - (523201) 9,843,950 12,900,000 13,287,000 31,365,111 14,904,119 14,904,19 14,94,649 4,476,94 14,91,91 14,91,91 14,91,91 14,91,91 14,91,91 14,91,91 14,91,91 14,91,91	=						208,313			
Traffic Engineering Fees - (521207)	. ,						315,177			
Police services (PES) (-521208)			· ·							
Armored Car Services (521209) 50.142 50.142 51.646 53.196 54.792 56.432 Outside Maintenane Services (521212) 33.382,536 34,40.373 35,782,547 36,856.023 37,961,704 39,100,55 Land scaping (522201) 41,500 61,500 63,345 65,245 67,203 69,21 Rentials - Land (522301) 423,151 318,752 328,315 338,164 348,309 358,758 Rentials - Land (522301) 2,986,957 3,977,708 4,097,039 4,219,950 4,346,549 4,476,94 Postage (523201) 9,843,950 12,900,000 13,287,000 13,685,610 14,696,176 14,519,06 16,000 13,669 13,770 14,183 14,096,178 14,215,37 14,225,37 12,425,37										
Outside Maintenance Services - (521212) 33,382,536 34,740,337 35,782,547 36,550,023 37,961,704 39,100,55 Landscaping - (522201) 423,151 318,752 328,315 338,164 348,309 35,875 Rentals - Equipment - (522302) 81,622 162,754 167,637 17,266 177,046 183,18 Insurance Expense - Other - (523101) 2,896,957 3,977,708 4,097,009 4,219,950 4,346,549 4,476,94 Postage - (523202) 1,686,670 2,154,912 2,219,559 2,286,16 13,469,17 14,183 14,609 15,497 Telecommunications - (523202) 1,368,782 1,518,912 2,219,555 167,431 172,454 177,42 Public Information Fees - (523203) 1,368,782 1,714,481 1,765,916 1,818,893 1,873,460 1,929,66 Television & Radio - (523303) 1,349,492 1,250,499 1,281,491 1,472,201 1,774,69 Enployee Appreciation - (523305) 331 331 341 351 362 37 Printing and Pho							, ,			
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Rentals - Land - (522301) 423,151 318,752 328,315 338,164 348,309 388,75 Rentals - Equipment - (522302) 81,622 162,754 167,637 172,666 177,846 183,18 Insurance Expense - Other - (523101) 2,896,957 3,977,708 4097,039 4,219,559 4,246,549 4,446,549 4,476,94 Postage - (523201) 9,843,950 12,900,000 13,287,000 13,685,610 14,096,178 14,519,66 Felcommunications - (523202) 14,686,670 2,154,912 2,219,559 2,266,146 2,354,731 2,425,73 Public Information Fees - (523203) 13,369 13,369 13,70 14,183 14,609 15,04 Recruitment - (523301) 75,626 157,820 162,555 167,431 172,454 177,04 Magazine and Newspaper - (523302) 1,368,782 1,714,481 1,765,916 1,818,993 1,873,460 1,929,60 Television & Radio - (523303) 331 331 331 341 351 362 37 177,176,00 181,00				, ,	, ,					
Rentlas-Equipment - (522302) 81,622 162,754 167,637 172,666 177,946 183,18 Insurance Expense - Other - (523101) 2,896,957 3,977,708 4,097,039 42,1950 4,346,549 4,476,94 Postage - (523201) 9,843,950 12,900,000 13,287,000 13,685,610 14,996,178 14,519,06 Telecommunications - (523202) 1,468,670 2,154,912 2,219,559 2,286,146 2,354,731 2,425,37 Public Information Ress - (523203) 13,369 13,369 13,770 14,183 14,609 15,044 Recutiment - (523301) 75,626 157,820 162,555 167,431 172,454 177,62 Magazine and Newspaper - (523302) 1,368,822 1,714,481 1,756,916 1,818,893 1,873,460 19,296 Television & Radio - (523303) 950,499 1,250,499 1,228,014 1,326,654 1,366,454 1,407,47 Promotional Expenses - (523304) 1,381,928 1,576,790 1,624,094 1,672,817 1,723,001 1,774,69 Employee Appreciation - (5	,									
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Temporary Contract Labor - (523851)	9 ()									
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Other Materials and Supplies - (531102) 4,678,468 3,757,954 3,870,693 3,986,813 4,106,418 4,229,610 Mobile Equipment Expense - (531103) 812,200 1,125,022 1,158,773 1,193,536 1,229,342 1,266,22 Freight and Express - (531105) 5,454 12,169 12,534 12,910 13,298 13,69 Motor Fuel Expense - (531107) 1,811,678 1,223,000 1,259,690 1,297,481 1,336,405 1,376,49 Water - (531211) 883,696 883,696 910,207 937,513 965,638 994,60 Gas - (531221) 29,108 29,108 29,981 30,881 31,807 32,76 Electricity - (531231) 1,763,029 1,763,029 1,815,920 1,870,397 1,926,509 1,984,30 Books & Periodicals - (531401) 0 250 258 265 273 28 Inven for resale(toll tags) - (531501) 5,711,652 5,950,085 6,128,588 6,312,445 6,501,819 6,696,87 Small Tools and Shop Supplies - (531601) 177,968	,						6,958			
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Motor Fuel Expense - (531107) 1,811,678 1,223,000 1,259,690 1,297,481 1,336,405 1,376,49 Water - (531211) 883,696 883,696 910,207 937,513 965,638 994,60 Gas - (531221) 29,108 29,108 29,981 30,881 31,807 32,76 Electricity - (531231) 1,763,029 1,763,029 1,815,920 1,870,397 1,926,509 1,984,30 Books & Periodicals - (531401) 0 250 258 265 273 28 Inven for resale(toll tags) - (531501) 5,711,652 5,950,085 6,128,588 6,312,445 6,501,819 6,696,87 Small Tools and Shop Supplies - (531601) 177,968 181,234 186,671 192,271 198,039 203,98 Software (Under \$5,000) - (531651) 11,616,557 11,584,903 11,932,450 12,290,424 12,659,136 13,038,91 Uniforms - (531701) 291,061 299,356 308,337 317,587 327,114 336,92 Bank Charges - (573001) 513,269 555,226							1,266,222			
Water - (531211) 883,696 883,696 910,207 937,513 965,638 994,600 Gas - (531221) 29,108 29,108 29,981 30,881 31,807 32,76 Electricity - (531231) 1,763,029 1,763,029 1,815,920 1,870,397 1,926,509 1,984,30 Books & Periodicals - (531401) 0 250 258 265 273 28 Inven for resale(toll tags) - (531501) 5,711,652 5,950,085 6,128,588 6,312,445 6,501,819 6,696,87 Small Tools and Shop Supplies - (531601) 177,968 181,234 186,671 192,271 198,039 203,98 Software (Under \$5,000) - (531651) 11,616,557 11,584,903 11,932,450 12,290,424 12,659,136 13,038,91 Uniforms - (531701) 291,061 299,356 308,337 317,587 327,114 336,92 Bank Charges - (573001) 513,269 555,226 571,882 589,039 606,710 624,91 Credit Card Fees - (573002) 23,372,922 26,192,602 2	,					,	13,697			
Gas - (531221) 29,108 29,108 29,108 29,981 30,881 31,807 32,76 Electricity - (531231) 1,763,029 1,763,029 1,815,920 1,870,397 1,926,509 1,984,30 Books & Periodicals - (531401) 0 250 258 265 273 28 Inven for resale(toll tags) - (531501) 5,711,652 5,950,085 6,128,588 6,312,445 6,501,819 6,696,87 Small Tools and Shop Supplies - (531601) 177,968 181,234 186,671 192,271 198,039 203,98 Software (Under \$5,000) - (531651) 11,616,557 11,584,903 11,932,450 12,290,424 12,659,136 13,038,91 Uniforms - (531701) 291,061 299,356 308,337 317,587 327,114 336,925 Bank Charges - (573001) 513,269 555,226 571,882 589,039 606,710 624,91 Credit Card Fees - (573002) 23,372,922 26,192,602 26,978,380 27,787,731 28,621,363 29,480,000							1,376,497			
Electricity - (\$\frac{3}\$1231) 1,763,029 1,763,029 1,815,920 1,870,397 1,926,509 1,984,300 Books & Periodicals - (\$531401) 0 250 258 265 273 28 Inven for resale(toll tags) - (\$31501) 5,711,652 5,950,085 6,128,588 6,312,445 6,501,819 6,696,87 Small Tools and Shop Supplies - (\$31601) 177,968 181,234 186,6671 192,271 198,039 203,98 Software (Under \$5,000) - (\$31651) 11,616,557 11,584,903 11,932,450 12,290,424 12,659,136 13,038,91 Uniforms - (\$31701) 291,061 299,356 308,337 317,587 327,114 336,92 Bank Charges - (\$73001) 513,269 555,226 571,882 589,039 606,710 624,91 Credit Card Fees - (\$573002) 23,372,922 26,912,602 26,978,380 27,787,731 28,621,363 29,480,000	. ,	883,696	883,696	910,207	937,513	965,638	994,608			
Books & Periodicals - (531401) 0 250 258 265 273 28 Inven for resale(toll tags) - (531501) 5,711,652 5,950,085 6,128,588 6,312,445 6,501,819 6,696,87 Small Tools and Shop Supplies - (531601) 177,968 181,234 186,671 192,271 198,039 203,98 Software (Under \$5,000) - (531651) 11,616,557 11,584,903 11,932,450 12,290,424 12,659,136 13,038,91 Uniforms - (531701) 291,061 299,356 308,337 317,587 327,114 336,925 Bank Charges - (573001) 513,269 555,226 571,882 589,039 606,710 624,91 Credit Card Fees - (573002) 23,372,922 26,192,602 26,978,380 27,787,731 28,621,363 29,480,000	. ,						32,761			
Inven for resale(toll tags) - (531501) 5,711,652 5,950,085 6,128,588 6,312,445 6,501,819 6,696,87 Small Tools and Shop Supplies - (531601) 177,968 181,234 186,671 192,271 198,039 203,98 Software (Under \$5,000) - (531651) 11,616,557 11,584,903 11,932,450 12,290,424 12,659,136 13,038,91 Uniforms - (531701) 291,061 299,356 308,337 317,587 327,114 336,92 Bank Charges - (573001) 513,269 555,226 571,882 589,039 606,710 624,91 Credit Card Fees - (573002) 23,372,922 26,192,602 26,978,380 27,787,731 28,621,363 29,480,000		1,763,029	1,763,029	1,815,920	1,870,397	1,926,509	1,984,305			
Small Tools and Shop Supplies - (531601) 177,968 181,234 186,671 192,271 198,039 203,98 Software (Under \$5,000) - (531651) 11,616,557 11,584,903 11,932,450 12,290,424 12,659,136 13,038,91 Uniforms - (531701) 291,061 299,356 308,337 317,587 327,114 336,92 Bank Charges - (573001) 513,269 555,226 571,882 589,039 606,710 624,91 Credit Card Fees - (573002) 23,372,922 26,192,602 26,978,380 27,787,731 28,621,363 29,480,000		0		258	265	273	281			
Small Tools and Shop Supplies - (531601) 177,968 181,234 186,671 192,271 198,039 203,980 Software (Under \$5,000) - (531651) 11,616,557 11,584,903 11,932,450 12,290,424 12,659,136 13,038,910 Uniforms - (531701) 291,061 299,356 308,337 317,587 327,114 336,920 Bank Charges - (573001) 513,269 555,226 571,882 589,039 606,710 624,91 Credit Card Fees - (573002) 23,372,922 26,192,602 26,978,380 27,787,731 28,621,363 29,480,000		5,711,652	5,950,085	6,128,588	6,312,445	6,501,819	6,696,873			
Uniforms - (531701) 291,061 299,356 308,337 317,587 327,114 336,92 Bank Charges - (573001) 513,269 555,226 571,882 589,039 606,710 624,91 Credit Card Fees - (573002) 23,372,922 26,192,602 26,978,380 27,787,731 28,621,363 29,480,000			181,234				203,980			
Bank Charges - (573001) 513,269 555,226 571,882 589,039 606,710 624,91 Credit Card Fees - (573002) 23,372,922 26,192,602 26,978,380 27,787,731 28,621,363 29,480,000	Software (Under \$5,000) - (531651)	11,616,557	11,584,903	11,932,450	12,290,424	12,659,136	13,038,910			
Bank Charges - (573001) 513,269 555,226 571,882 589,039 606,710 624,91 Credit Card Fees - (573002) 23,372,922 26,192,602 26,978,380 27,787,731 28,621,363 29,480,000	Uniforms - (531701)	291,061	299,356	308,337	317,587	327,114	336,928			
Credit Card Fees - (573002) 23,372,922 26,192,602 26,978,380 27,787,731 28,621,363 29,480,00	Bank Charges - (573001)	513,269	555,226	571,882	589,039	606,710	624,911			
	• ,	23,372,922	26,192,602	26,978,380	27,787,731	28,621,363	29,480,004			
		Totals 183,656,659	196,111,402	201,994,744	208,054,586	214,296,224	220,725,111			