

PROPOSED 2021 OPERATING BUDGET, TWO-YEAR FINANCIAL PLAN, AND FIVE-YEAR CAPITAL PROGRAM



**Regional
Transportation
Authority**

Northeastern Illinois
November 2020

This document contains the proposed 2021 regional and Service Board operating budgets and capital programs, to be considered for adoption by the RTA Board on December 17, 2020.

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Anything but a “Normal Budget Year”

The RTA’s mandate is to fund and advocate for CTA, Metra, and Pace — known as the “Service Boards” — and to be candid with them and the public about financial challenges. Annually, all four transit agencies collaborate to develop the Operating Budget, Two-Year Financial Plan, and Five-Year Capital Program. Preparation of these crucial materials has been fraught as never before due to uncertainty caused by the coronavirus pandemic.

Due to unprecedeted effects of COVID-19, 2020 has been anything but a normal year for the regional transit system of northeastern Illinois. As with every other transit agency in the U.S., our system has suffered dramatic decreases in ridership and revenues. The RTA and Service Boards are closely evaluating ridership and revenue impacts, which the public can also monitor on the RTA COVID Transit Dashboard, www.rtachicago.org/covid-dash. Since early in the pandemic, the RTA has also sent a bi-weekly COVID-19 email update, to which the public can subscribe through the agency’s recovery web page at www.rtachicago.org/recovery.

“This moment requires nothing less than bold thoughts and action. As a region, we must ensure that our transit system continues to serve its riders reliably, even in the absence of additional federal relief. And while weathering the difficult year ahead — by anticipating, understanding, and confronting challenges of this deadly pandemic — we must also reinvent our transit system to ensure that it can adapt for the region’s long-term future.”

Leanne Redden, RTA Executive Director

Anticipating the Challenges of 2021 and Beyond

As a transit system with three different but interdependent providers, we have collectively developed this Proposed 2021 Operating Budget, Two-Year Financial Plan, and Five-Year Capital Program to protect transit from the uncertainties of COVID-19 while also speaking frankly about possible ramifications if additional federal relief doesn’t emerge. Among our greatest challenges is to anticipate a variety of potential outcomes and plan carefully so riders — especially the most vulnerable who rely on transit — can continue to count on public transportation. Developed during this very difficult period, the proposed budget seeks to sustain essential public transportation while planning for a future “new normal” that is profoundly uncertain due to the ongoing pandemic.

Together, the transit agencies have created a culture of COVID prevention, and our region’s trains and buses have never been cleaner. CTA, Metra, and Pace have continued providing safe, reliable trips to meet dramatically shifting customer needs. Their employees have performed

heroically, in particular by transporting workers to hospitals, police and firehouses, groceries, and other essential workplaces and back to their homes and families.

In March 2020, the federal Coronavirus Aid, Relief, and Economic Security (CARES) Act provided \$1.4 billion, which has shielded our region's transit operations from revenues lost due to decreased fare collections and tax receipts. But those dollars will begin to run out in 2021, leaving our transit system with a potential shortfall of more than \$500 million. Therefore, the RTA and the Service Boards have joined with the American Public Transportation Association (APTA) to call for a new federal relief package with an additional \$32 billion for transit systems nationwide. The Proposed 2021 Operating Budget, Two-Year Financial Plan, and Five-Year Capital Program assumes further financial relief, without which a reckoning will come in early 2021 when this budget would need to be revisited to enact painful service cuts. In addition to looking outside of the agencies for assistance, the RTA Board has also begun recovery efforts that position the agencies to navigate the potential financial challenges of 2021 as discussed later in this document.

Economic Recovery Depends on Transit

The pandemic's effects on public transportation continue to jeopardize the regional economy itself. Before the virus, our metropolitan region's vibrant economy depended on CTA, Metra, and Pace to provide nearly two million rides on any given weekday. Over the decade prior to the pandemic, approximately 60 percent of all new jobs in the region were created near high-quality transit service¹ and over 60 percent of commuters rode public transportation into Chicago's central business district.² Now, as greater numbers of residents work from home and others have lost their jobs due to COVID-19, ridership is down dramatically. Based on input from the Greater Chicagoland Chamber of Commerce and its members, business leaders believe a strong transit system is crucial for our region to recover.

As of October 23, 2020, ridership is down 72 percent systemwide compared to 2019, as shown in the following chart from the RTA COVID-19 Transit Dashboard; for comparison, travel by all modes (including cars) was down 23 percent. While ridership has been on a slow upward trajectory from early spring 2020, significantly higher transit use will depend on widespread deployment of a reliable COVID-19 vaccine. And even when commuters begin returning to transit in greater numbers, increased telecommuting is likely here to stay.³ It's clear that the transit agencies will need to face a near-term reality of lower ridership that is a result of both lower demand and the practical need to maintain social distancing on vehicles. Yet a robust

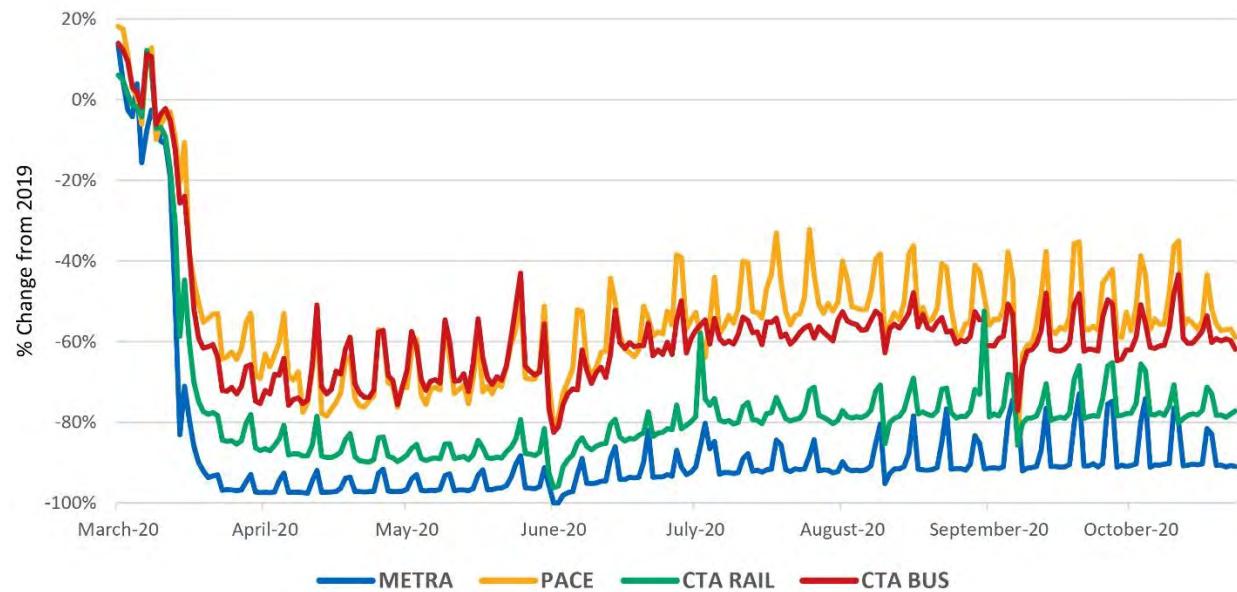
¹ Chicago Metropolitan Agency for Planning (CMAP) [Transit Availability Index](#), cited in "[Transit Means Business](#)," by the Metropolitan Planning Council, p. 12, October 18, 2018.

² "[Regional Transit Strategic Plan 2018-2023: Beginning the Discussion](#)," the Regional Transportation Authority, p. 13, May 2017.

³ "[Telecommuting will likely continue long after the pandemic](#)," Brookings Institution, by Katherine Guyot and Isabel V. Sawhill, April 6, 2020.

transit system is necessary to avoid vehicle congestion from overwhelming the region's highways when people do begin returning to work in larger numbers.

Figure 1. Ridership status, 2020

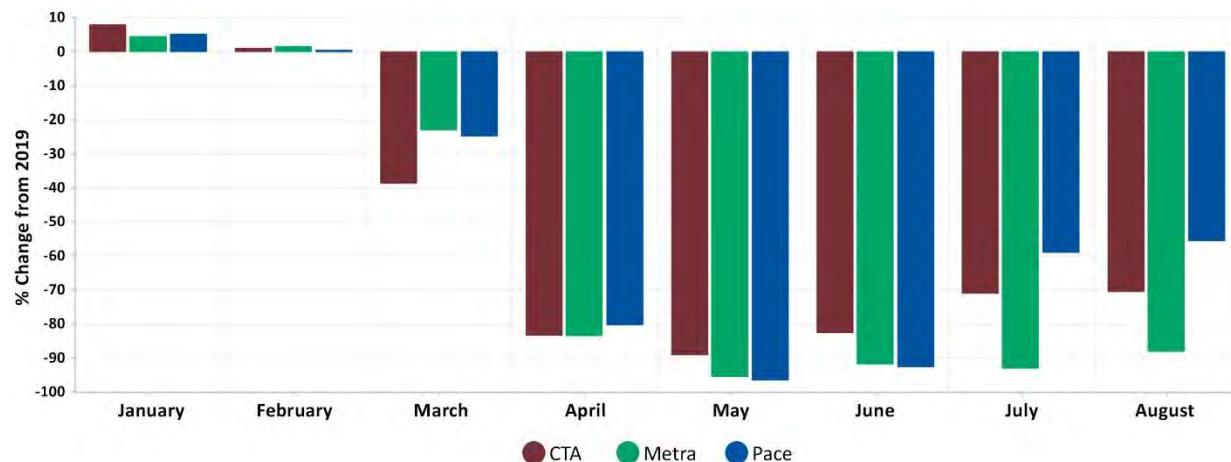


Source: CTA, Metra, Pace data from RTA COVID-19 Transit Dashboard, as of October 23, 2020

Due to decreased ridership, farebox revenues for all three Service Boards reached their low point in May, followed by slow increases. Without additional federal relief for transit, farebox revenue will not likely rebound quickly enough in 2021 to avoid potentially painful service cuts. In times like these, it is important for the state and region to step up with additional support to sustain transit beyond the pandemic, because massive cuts will have catastrophic effects not only for essential riders in the short term but also for our region's economy in the longer term.⁴

⁴ "Stranded by Transit Cuts," Center for Neighborhood Technology, September 30, 2020.

Figure 2. Farebox revenues, 2020



RTA Three-Step Recovery Strategy

In order to proactively respond to the financial and social crisis caused by the pandemic and prepare for potential challenges ahead in 2021, the RTA has begun a three-step strategy to address the regional transit system's near- and longer-term recovery from COVID-19.

Figure 3. RTA Three-Step Recovery Strategy



Each of these steps will be driven by the same clear set of policy priorities that reflect the RTA's desire to support the Service Boards' difficult choices in 2021 and beyond. By providing insight into their respective approaches, the Service Boards can help the RTA Board better understand those choices and more effectively advocate for them.

Based on the goals of our region's [Invest in Transit](#) strategic plan, the feedback received during an RTA [scenario planning process](#) in mid-2020, and the RTA's existing statutory responsibilities,

the RTA is focused on the following policy priorities for near- and longer-term recovery planning:

- **Identify immediate funding solutions** to support the transit system, including advocating for federal aid, exploring new revenue solutions, and considering how to leverage resources to meet short-term needs most effectively.
- **Sustain critical transit services** to provide mobility for those who most need public transportation at this time, including bus riders, essential workers, residents with economic hardships across the region, and people with disabilities.
- **Take an increasingly transparent, collaborative approach to communicating** with stakeholders and the public about projected budget shortfalls, impending cuts, and other potential disruptions to service.

In addition to helping the RTA and Service Boards to navigate Steps 1 and 2 in the nearer term, these policy priorities can also guide our activities in Step 3 to build on progress toward recovery and to reinvent transit. Working with our partners throughout the region, we envision a strategic planning process that continues the momentum created by the ON TO 2050 and *Invest in Transit* plans toward a future transit system that supports a vibrant regional economy and environment that is safe and equitable for all.

Regional Operations

This section summarizes the proposed 2021 Regional Operating Budget and Two-Year Financial Plan, with details of each Service Board's respective budget. These proposals will be presented by staff of the RTA, CTA, Metra, and Pace at the RTA Board meeting on November 19, 2020. Following the public comment period — which includes an RTA virtual public hearing on December 3 — the RTA Board will consider adoption of the regional operating budget and capital program at its December 17 meeting.

Regional Operating Budget

The onset of the novel coronavirus pandemic in March 2020 has had a profound impact on the RTA regional operating budget. This impact will stretch through 2021 and could permanently change many aspects of public transportation. Due in part to cautionary measures such as the stay-at-home orders that lasted through May, transit ridership plummeted, resulting in unprecedented fare revenue losses at CTA, Metra, and Pace as many commuters transitioned to remote working. Unemployment rose and RTA sales tax receipts temporarily collapsed, reducing funding to the Service Boards and RTA Agency. Yet, transit operations continued throughout the slowdown, providing critical service to those who needed it the most.

In response to the COVID-19 impacts, an RTA funding amendment was executed in May, leading to the adoption of an amended 2020 regional operating budget in August. This budget was further revised in October to ensure sufficient ADA Paratransit funding. These actions

acknowledged the availability of more than \$1.4 billion of federal CARES Act funding and incorporated the anticipated drawdown of such funding into the Service Board and RTA operating budgets. This first round of relief funding was provided to replace lost fare revenue and RTA funding, allowing critical transit operations to continue in 2020, but is projected to be exhausted as the regional transit system moves through 2021 and into 2022.

The Service Boards have proposed 2021 operating budgets that recognize the reality of lower revenue for operations and call for additional relief funding to sustain essential transit service as the region recovers from the pandemic. Overall service levels have been reduced at Metra and Pace but maintained at CTA, and no immediate fare increases have been included. However, in the absence of additional relief funding, further service reductions and fare increases will be required to balance operating expenses to the reduced revenue base.

When comparing the 2021 budget to the 2020 estimate, note that the 2020 estimate is based on amended budgets that reflect the impact of the COVID-19 pandemic on ridership, fare revenue, public funding, and expenses.

Ridership

RTA system ridership plunged to about 20% of normal (as defined by 2019 levels) during the stay-at-home order and has only recovered to about 30% of normal as of October 2020. Ridership losses were heaviest at Metra as many downtown offices closed and have been slow to reopen. Telecommuting quickly became the norm for those with jobs that allow it, but many regional residents still rely exclusively on transit to get them to work, shopping, and medical appointments.

Regional transit ridership is projected to finish 2020 at 231.2 million, a 59% decrease from 2019. Ridership for 2021 is budgeted at 253.8 million, an increase of about 10%. Each Service Board is anticipating a modest ridership rebound in 2021, although ridership levels are assumed to remain far below normal. CTA projects 2021 ridership at 46% of normal, Metra at 33% of normal, and Pace Suburban Service and ADA Paratransit at 60% of normal.

Table 1. Regional Ridership Forecast

Ridership (in millions)	2020 Estimate	2021 Budget	Change
CTA	193.7	209.7	+8.3%
Metra	20.0	24.3	+21.5%
Pace	15.3	17.2	+12.0%
ADA Paratransit	2.2	2.6	+19.1%
Region	231.2	253.8	+9.8%

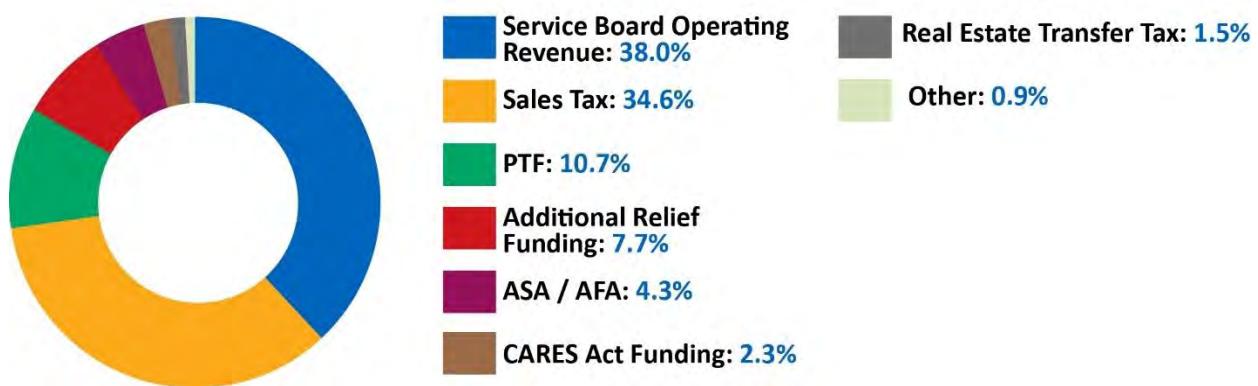


Operating Revenue

The Service Boards' proposed 2021 budgets assume \$1.148 billion of operating revenue, an increase of \$30.7 million, or 2.7%, over the 2020 estimate. Operating revenue consists of system-generated revenue from passenger fares as well as ancillary revenue from sources such as the lease of space, advertising, and investment income. It also includes the State reduced fare reimbursement (RFR), which partially compensates the Service Boards for free and reduced fare programs.

Most importantly, 2021 operating revenue includes \$467.1 million of CARES Act funding expected to be used by the Service Boards for ongoing fare revenue losses. However, it is estimated that there will not be sufficient CARES Act funding available to replace all lost operating revenue and \$138.0 million of additional relief funding for fare revenue losses will be needed to meet required recovery ratios and avoid major service cuts or fare hikes in 2021. In total, operating revenue accounts for 38% of the total revenue needed to balance the regional operating budget, as shown in Figure 4.

Figure 4. 2021 Revenues: \$3.025 Billion



Public Funding

When public funding is combined with operating revenue, resulting total revenue of \$3.025 billion is anticipated to support the proposed level of 2021 service and associated operating expenses.

Overall public funding in 2021 is projected at \$1.877 billion, an increase of \$46.2 million or 2.5% from the 2020 estimate. About 35% of the region's revenue for operations is budgeted to come from a regional sales tax imposed at 1.25% in Cook County and 0.5% in the collar counties. RTA sales tax receipts are expected to finish 2020 at \$1.053 billion, a decrease of 16.1% from 2019 due to COVID-19 impacts on consumer spending and employment. In 2021, sales tax receipts are expected to decrease by another 0.5% to \$1.047 billion, but will be supported by changes in state law taking effect in January resulting in RTA sales tax applying to more online purchases.

Sales tax is anticipated to rebound by 6% in 2022 and 2023, finishing the period at \$1.174 billion. Still, this equates to the level of RTA sales tax received in 2015, an indication of how strong and lasting the impact of the current crisis is expected to be on transit funding. In addition, an existing State surcharge of 1.5% on RTA sales tax collections is assumed to remain in place indefinitely, reducing RTA and Service Board funding by approximately \$20 million per year.

The majority of state funding received by the RTA is based on a 30% state match of RTA sales tax and Real Estate Transfer Tax (RETT) receipts. The match funding comes from the State's Public Transportation Fund (PTF) and is expected to provide \$322.7 million for 2021 operations. The PTF funding reflects a 5% reduction due to state legislation that was passed in May 2020, decreasing the state's match for its 2021 fiscal year. RETT receipts are expected to decrease by 5.4% in 2021 to \$46.7 million as the real estate market struggles to rebound. Continued State Financial Assistance (ASA/AFA) of \$130.3 million for reimbursement of debt service on RTA Strategic Capital Improvement Program (SCIP) bonds is budgeted for 2021, as is \$8.4 million of State funding for Pace ADA Paratransit service. Other revenue sources comprise less than 1% of total revenue.

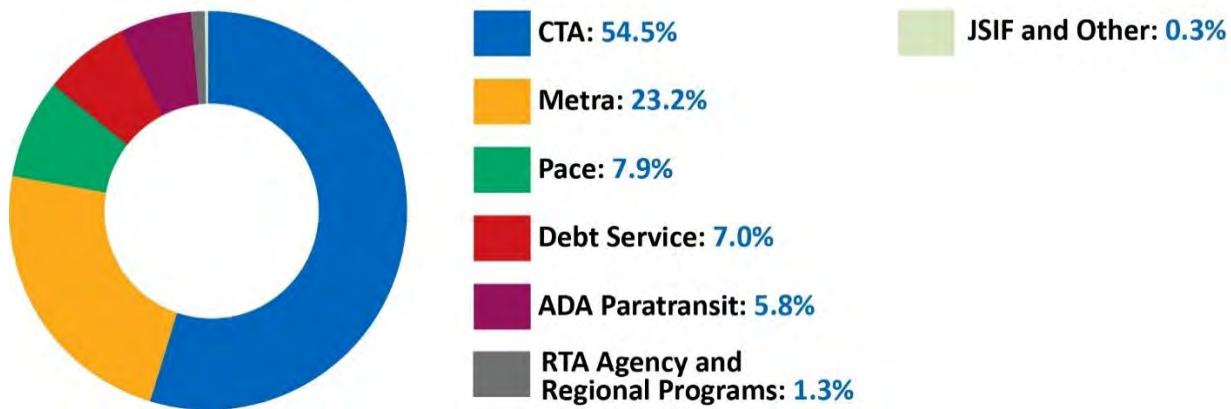
The Service Boards and RTA have included in their 2021 budgets a total of \$69.4 million of CARES Act funding expected to be used to help offset ongoing losses in public funding. However, it is estimated that there will not be sufficient CARES Act funding available to replace all lost public funding and \$233.9 million of additional relief funding for sales tax losses will be needed to avoid major service cuts or fare hikes in 2021.

Service Levels and Expenses

When RTA and regional expenses are combined with Service Board operating expenses, total 2021 expenses for the RTA system are projected at \$3.020 billion, an increase of 2.6% over the 2020 estimate, a decrease of 2.5% from the original 2020 budget. Total regional operating expenses are subsequently projected to increase by 0.9% and 2.5% in 2022 and 2023, respectively.

Service Board 2021 operating expenses, which comprise about 91% of RTA system expenses, are projected to grow by 2.7% over the 2020 estimate, to \$2.759 billion. CTA's proposed expense budget incorporates normal, pre-pandemic service levels, while Metra and Pace Suburban Service have budgeted for a continuation of the significant service reductions implemented by both agencies as ridership dropped in the immediate aftermath of the COVID-19 outbreak.

Figure 5. 2021 Expenses: \$3.020 Billion



Relative to their 2020 estimates, CTA projects a 5.3% increase in operating expenses for 2021, driven primarily by labor, material, and insurance and claims expenses. Metra operating costs are expected to decrease by 4.8%, provided that an additional \$70 million of savings can be identified. Pace Suburban Service anticipates 8.2% expense growth as some capital-eligible expenses are brought back into the operating budget. ADA Paratransit expenses are projected to increase by 3.6% due to ridership recovery and contractual price increases.

RTA Agency and Regional Programs expenses are budgeted at \$38.1 million, an increase of 3.7% from the 2020 estimate. With the August 2020 budget amendment, the Agency's funding requirement was reduced by 10% to \$31.7 million and is planned to remain at that zero-growth level through 2022. The RTA Agency budget represents 1.3% of RTA system expenses. Other regional expenses, which include debt service on bonds issued for Service Board capital funding and Joint Self Insurance Fund (JSIF) premiums, comprise the remaining 7.3% of system expenses. The RTA debt service total of \$212.6 million for 2021 includes principal and interest expense on existing long-term bonds and on short-term borrowing to manage expected delays in payments from the State of Illinois.

CARES Act and Additional Funding Need

A total of \$1.438 billion of federal CARES Act funding was allocated to the RTA region in March 2020. The Service Boards and RTA currently estimate that \$819.2 million or 57% of that funding will be requisitioned for 2020 operating revenue and public funding losses. A further \$536.6 million of CARES Act funding has been budgeted for 2021, with the remaining \$82.4 million carried into the 2022 plan year by Metra, Pace, and the RTA. In the absence of new relief funding, the regional transit system faces a potential shortfall exceeding \$500 million in 2021.

CTA's proposed budget identifies an additional \$372 million of relief funding required to replace lost revenue and balance anticipated operating expenses for 2021, with additional shortfalls of

\$390 million and \$359 million projected for 2022 and 2023, respectively. Metra has determined a total three-year shortfall of \$570 million to restore normal service levels, while Pace's budget and plan shows that \$89 million of additional relief funding is needed just to balance their proposed reduced-schedule level of expenses in 2022 and 2023.

As a result, the total additional funding need for 2021 through 2023, above and beyond the remaining CARES Act funding, is more than \$1.8 billion. If this additional relief funding does not materialize, each Service Board would be forced to take unspecified budget balancing actions to resolve projected revenue shortfalls, which could include fare increases, service reductions, job cuts, and other cost saving measures. The impact on our already challenged transit system might be catastrophic.

Net Result and Recovery Ratios

As shown in Table 2, the regional operating budget and financial plan is balanced in 2021, 2022, and 2023, with a net result of zero contingent upon additional relief funding or budget balancing actions, shown in red. In addition to ICE funding for approved capital projects, the proposed Metra operating budget resumes the transfer of some fare revenue to their capital program in 2022.

The RTA Act requires the RTA Board to set a system-generated revenue recovery ratio for each Service Board, as well as requiring that the combined revenues from RTA operations cover at least 50% of system operating expenses, with approved adjustments. This requirement excludes ADA Paratransit service, for which the Act mandates a 10% recovery ratio.

By including \$467 million of CARES Act funding and \$138 million of additional relief funding in operating revenue, the CTA, Metra, and Pace Suburban Service proposed 2021 operating budgets meet or exceed their individual RTA-specified recovery ratios of 54.75%, 52.5%, and 30.3%, respectively. As a result, the RTA regional recovery ratio for 2021 is projected at 50.7%, in compliance with the RTA Act. The ADA Paratransit budget also meets the required recovery ratio of 10%, after authorized expense exclusions.

ICE Funding and Proposed Projects

Innovation, Coordination, and Enhancement (ICE) funding of \$10.7 million to \$11.9 million was allocated to the Service Boards in the adopted 2021-2023 funding amounts, contingent upon RTA Board approval of proposed ICE projects. Table 3 summarizes the proposed uses and amounts of these ICE funds by the Service Boards. Only the 2021 proposed uses are currently subject to approval by the RTA Board. Metra and Pace intend to use ICE funding for capital projects, while CTA has proposed an operating project.

Table 2. Statement of Regional Revenues and Expenses (dollars in thousands)

	2019 Actual	2020 Estimate	2021 Budget	2022 Plan	2023 Plan
Revenues					
Service Board Revenues¹					
CTA	697,177	695,657	601,865	567,990	603,137
Metra	411,839	361,270	341,484	325,912	337,981
Pace	55,595	52,782	57,828	61,369	43,751
ADA Paratransit	15,077	8,079	9,298	9,346	9,849
Additional Relief Funding or Budget Balancing Actions	-	-	137,991	183,290	191,951
Total Operating Revenues	1,179,688	1,117,788	1,148,467	1,147,907	1,186,670
Public Funding					
RTA Sales Tax	1,254,161	1,052,639	1,047,481	1,110,330	1,173,618
Public Transportation Fund (PTF)	381,989	341,083	322,725	353,035	373,158
Real Estate Transfer Tax (RETT)	62,373	49,426	46,740	49,544	52,368
State Financial Assistance (ASA/AFA)	130,300	130,300	130,300	130,300	115,189
State Funding for ADA Paratransit	8,395	8,395	8,395	8,395	8,395
RTA ADA Paratransit Reserve	-	31,428	-	-	-
Federal Funds	8,192	7,893	6,070	4,142	72
RTA Capital Project Reserves	250	-	-	-	-
JSIF Reserves	2,500	-	2,500	-	-
ICE Carryover (2019)	-	30	1,211	-	-
Other RTA Revenue ²	12,625	6,887	7,873	7,873	8,474
Prior Year PBV (Metra)	-	7,000	-	-	-
CARES Act Funding - Public Funding Replacement	-	195,430	69,433	11,181	-
Additional Relief Funding or Budget Balancing Actions	-	-	233,940	235,546	227,188
Total Public Funding	1,860,785	\$1,830,511	\$1,876,667	\$1,910,345	\$1,958,462
Total Revenues	\$3,040,473	\$2,948,299	\$3,025,134	\$3,058,252	\$3,145,132
Expenses					
Service Board Expenses					
CTA	1,515,388	1,562,710	1,645,065	1,680,059	1,726,425
Metra	802,210	735,000	700,000	678,000	702,000
Pace	225,943	221,144	239,388	249,559	260,531
ADA Paratransit	183,925	168,905	174,978	180,666	191,263
Total Service Board Expenses	\$2,727,466	\$2,687,759	\$2,759,431	\$2,788,284	\$2,880,219
Region/Agency Expenses					
Debt Service	228,366	213,700	212,601	211,259	192,883
RTA Agency and Regional Programs	42,068	36,716	38,058	38,058	41,647
RTA Agency Regional Capital Program	250	-	-	-	-
Joint Self-Insurance Fund (JSIF)	5,664	5,947	9,500	9,975	10,474
Total Region/Agency Expenses	\$276,349	\$256,363	\$260,159	\$259,293	\$245,004
Total Expenses	\$3,003,814	\$2,944,121	\$3,019,590	\$3,047,577	\$3,125,222
ICE funding not used for operations - transfer to capital ³	(4,978)	(4,178)	(5,544)	(5,876)	(6,211)
Other transfers ⁴	(9,689)	-	-	(4,800)	(13,700)
Net Result	\$21,991	\$0	\$0	\$0	\$0
Regional Recovery Ratio	51.7%	50.7%	50.7%	50.2%	50.1%

¹ Service Board operating revenues include CARES Act funding in 2020-2022 and additional relief funding in 2021-2023.

² Includes income from financial transactions and investments, sales tax interest, and revenues from RTA programs and projects.

³ As authorized by RTA Ordinance 2020-47, ICE amounts not required for operating funding may be redesignated for capital projects.

⁴ Includes Metra farebox capital program and transfers to RTA reserves (2019).



Table 3. Proposed Uses of ICE Funding (dollars in thousands)

	2021	2022	2023
CTA			
<u>Operating</u>			
Rapid Response Supplemental Bus Capacity Projects To Be Determined	5,117	5,424	5,733
CTA Total	\$5,117	\$5,424	\$5,733
Metra			
<u>Capital</u>			
Train Tracking and Passenger Counting System	4,158	4,407	4,658
Metra Total	\$4,158	\$4,407	\$4,658
Pace			
<u>Capital</u>			
Transit Signal Priority Equipment	1,386	1,469	1,553
Pace Total	\$1,386	\$1,469	\$1,553
Total ICE Funding	\$10,661	\$11,300	\$11,944

Primary RTA Public Funding Sources

RTA Sales Tax Part I: The original RTA sales tax, levied at 1.0% in Cook County and 0.25% in the collar counties of DuPage, Kane, Lake, McHenry, and Will. 85% of Sales Tax I receipts are distributed to the Service Boards according to a statutory formula. The remaining 15% of Sales Tax I is initially retained by the RTA to fund regional and agency expenses before being allocated at the direction of the RTA Board.

RTA Sales Tax Part II: Authorized by the 2008 funding reform, an additional sales tax of 0.25% in all six counties of the RTA region. Sales Tax II is distributed to the Service Boards according to a statutory formula after deducting funds for ADA Paratransit, Pace Suburban Community Mobility (SCMF), and RTA Innovation, Coordination, and Enhancement (ICE). After these deductions, CTA receives 48%, Metra 39%, and Pace Suburban Service 13%.

Real Estate Transfer Tax (RETT): The 2008 funding reform also increased the City of Chicago RETT by \$1.50 per \$500 of property transferred and dedicated this additional tax revenue to directly fund CTA operating expenses.

Public Transportation Fund (PTF) Part I: PTF Part I is State-provided funding comprised of a 25% match of Sales Tax I receipts. 100% of PTF I is retained by the RTA and combined with 15% of Sales Tax I to form the basis for funding to be allocated at the direction of the RTA Board.

Public Transportation Fund (PTF) Part II: PTF Part II, authorized by the 2008 funding reform, is State-provided funding equal to a 5% match of Sales Tax I receipts and a 30% match of Sales Tax II receipts and RETT receipts. After allocating 5/6 of the PTF on RETT receipts to CTA, the remaining PTF II is distributed to the Service Boards by the same statutory formula used to allocate Sales Tax II.

State Financial Assistance: State-provided assistance to reimburse the RTA's debt service on Strategic Capital Improvement Program (SCIP) bonds. It consists of two components: Additional State Assistance (ASA) and Additional Financial Assistance (AFA).

State Reduced Fare Reimbursement: State-provided reimbursement to the Service Boards, via the RTA, to partially offset the cost of providing reduced fare and free ride programs mandated by law, including those for seniors and disabled persons.

CTA Operating Budget

CTA's proposed budget reflects the continued operation of full service levels as ridership recovers from the COVID-19 pandemic. Thus, CTA exhausts remaining CARES Act funding sooner than the other Service Boards' budget proposals. CTA's budget clearly quantifies the need for additional relief funding, or an equivalent amount of budget balancing actions, beginning in 2021. Over the 2021-2023 period, CTA's proposed operating budget and financial plan requires more than \$1.1 billion of additional relief funding to balance projected expense levels.

"Over the last seven months, the CTA has provided an essential service to those who needed it the most: health care workers, emergency responders, grocery and manufacturing workers, and those needing to make essential trips. But in order to ensure we can continue to provide this critical service, we absolutely must receive additional funding from Congress."

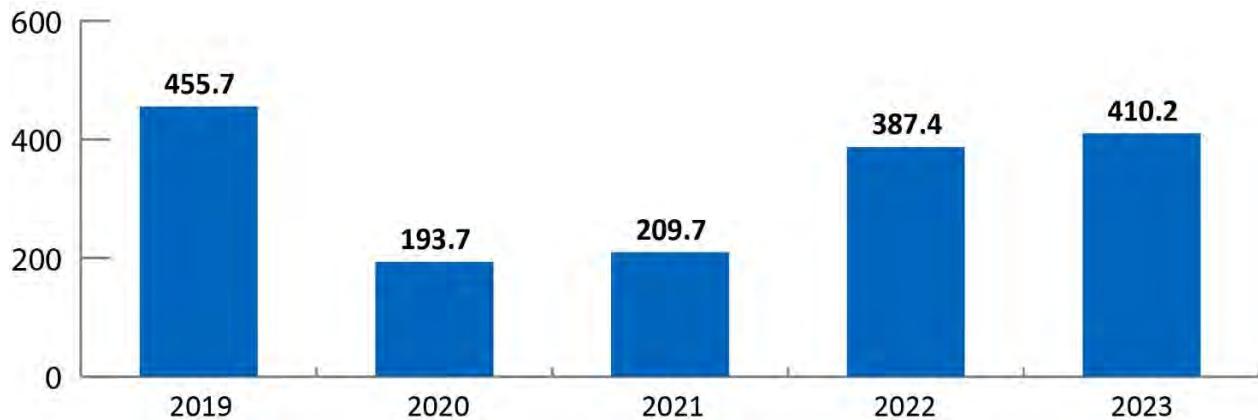
Dorval R. Carter, Jr., CTA President

When comparing the proposed 2021 budget to the 2020 estimate, note that the 2020 estimate is based on an amended budget that reflects the impact of the COVID-19 pandemic on ridership, fare revenue, public funding, and expenses.

Ridership

CTA experienced immediate and lasting ridership losses with the onset of COVID-19 mitigation efforts in March. Ridership dropped to about 20% of normal (2019) levels before slowly recovering to around 35% of normal by October. While CTA bus ridership has suffered less losses than rail ridership, CTA's total 2020 ridership is projected to end the year at about 194 million, down 58% from 2019. The 2021 budget anticipates ridership of 209.7 million, or about 46% of normal levels, an increase of 8% from the 2020 estimate. Further recovery is anticipated for 2022 and 2023, with ridership assumed to reach 90% of normal for both bus and rail by the end of the 2021-2023 planning period.

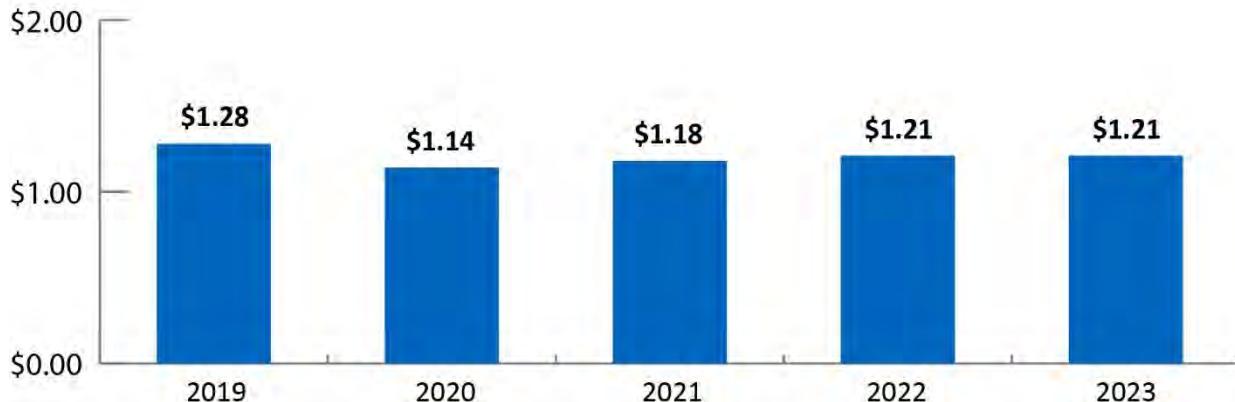
Figure 6. CTA Ridership (millions)



Fares

No fare increases are included in the proposed CTA 2021 budget. As a result, CTA's average fare of \$1.18 in 2021 is largely unchanged from the 2020 estimate. Some fluctuation in average fare is to be expected across the planning period as ridership and ticket mix (i.e., pass and multi-day products versus single rides) vary during the recovery. CTA's average fare accounts for ridership of all fare types, including a significant number of free and reduced fare rides.

Figure 7. CTA Average Fare

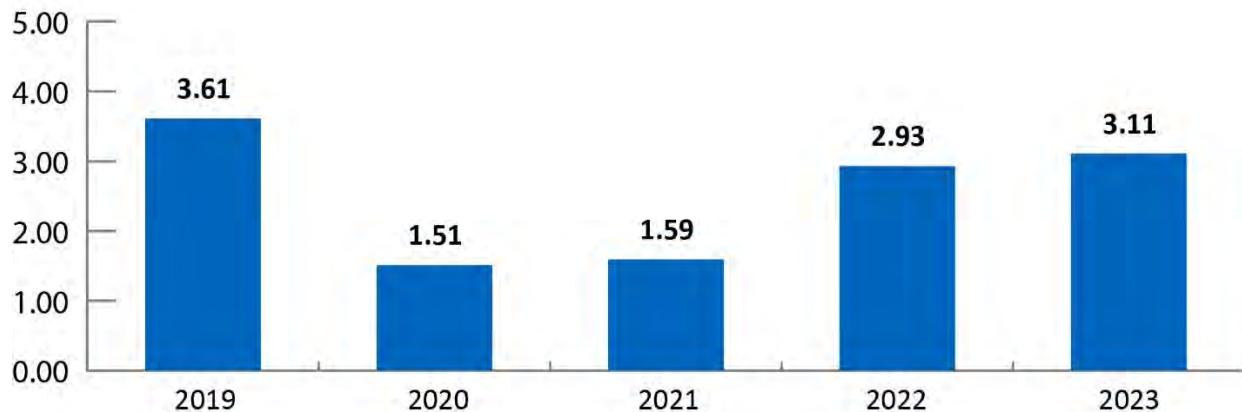


Service Levels

CTA proposes to continue running a full schedule to meet customer demand amid physical distancing requirements. Vehicle revenue miles (VRM), a measure of the total distance vehicles travel while in revenue service, are expected to grow by 3.1% in 2021. Service effectiveness, as measured by passenger trips per vehicle revenue mile, is estimated to drop by more than 50%

in 2020 and remain low in 2021 before increasing with the assumed ridership recovery through 2023

Figure 8. CTA Passenger Trips per Vehicle Revenue Mile

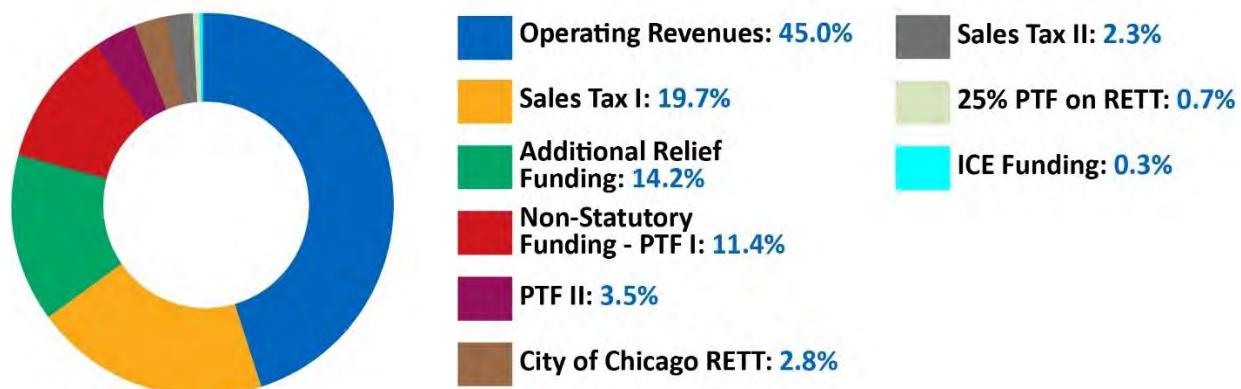


Operating Revenue

Total operating revenue is projected to increase by 6.4% in 2021 to \$739.9 million, including CTA's remaining CARES Act funding and additional relief funding. Fare revenue is budgeted to grow by 12.1% due to increasing ridership. CTA's share of the State reduced fare reimbursement subsidy is set at \$14.6 million in 2021 and the planning years. CTA's Other Revenue category is expected to grow by 14.3% to \$75.4 million as advertising and ancillary revenue sources rebound.

Importantly, CTA's operating revenue projection includes \$263.5 million of CARES Act funding carried over from 2020, and additional relief funding of \$138.0 million needed to meet the required recovery ratio. CTA's operating revenue projection represents 45% of total revenue, as shown below.

Figure 9. CTA 2021 Revenues: \$1.645 Billion



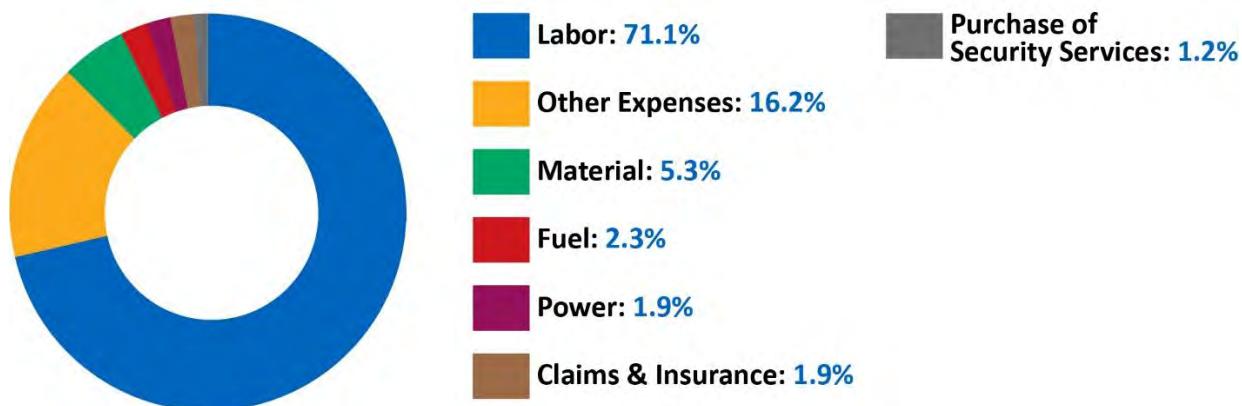
Public Funding

Total public funding for CTA operations in 2021 is projected at \$905.2 million, 4.4% higher than the 2020 estimate. CTA's assumptions for 2021 through 2023 match the RTA Board adopted marks for sales tax, Public Transportation Funds, RTA non-statutory funding, and ICE funding. These amounts include Chicago Real Estate Transfer Tax (RETT) receipts projected at \$46.7 million to \$52.4 million. ICE funding for 2021 totals \$5.1 million and will be used for operations, with proposed uses shown above in Table 3 of the Regional Operating Budget section. CTA has also included \$233.9 million of additional relief funding for 2021 to provide sufficient total revenue to balance anticipated operating expenses.

Expenses

CTA's proposed 2021 expense level is \$1.645 billion, an increase of \$82.4 million or 5.3% from the 2020 estimate, and an increase of \$34.5 million or 2.1% from CTA's pre-COVID 2021 Plan. CTA expenses are being driven higher by contractual wage increases, costs related to COVID-19 mitigation, and increased fringe expenses. Labor, CTA's largest expense category, is budgeted to increase by 2.9% to \$1.169 billion, while material expenses are expected to grow by 15.1% due to warranty expirations and purchase of personal protective equipment and cleaning supplies.

Figure 10. CTA 2021 Expenses: \$1.645 Billion

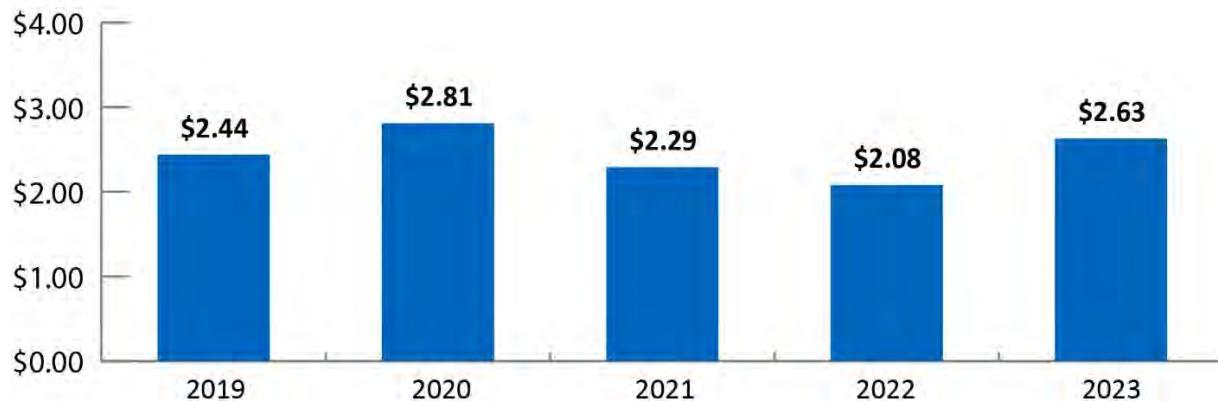


Other expense increases are anticipated for CTA's insurance and claims reserve, and higher debt service related to TIFIA loan repayments. Total expenses are forecast to grow by 2.1% and 2.8% in 2022 and 2023, respectively, reaching \$1.726 billion.

CTA has advance purchased about 85% of its 2021 fuel requirements. Fuel expense of \$38.1 million represents 2.3% of CTA's total expense, and is budgeted at \$2.29 per gallon, 52 cents lower than the 2020 estimate. CTA's plan reflects a lower fuel price in 2022, for which it has

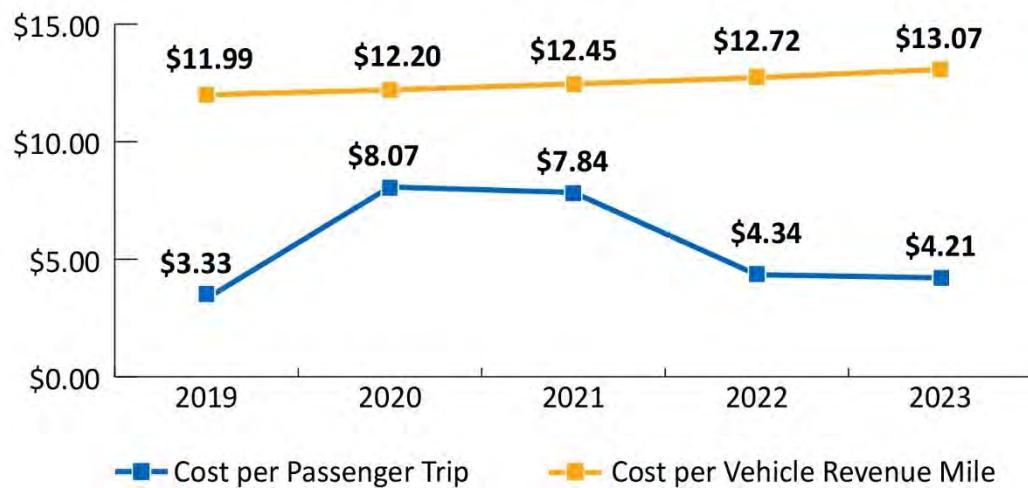
advance purchased about 75% of its needs. As of October, no fuel has been locked in yet for 2023.

Figure 11. CTA Fuel Price Per Gallon



Cost efficiency is shown in the next chart by cost per vehicle revenue mile, which is projected to grow at an average annual rate of 2.2% across the five-year period as expenses increase with inflation while service levels remain essentially flat. Cost effectiveness is also measured, by evaluating the cost per passenger trip, which rises sharply to \$8.07 with the ridership losses of 2020 before improving to \$4.21 by 2023.

Figure 12. CTA Cost Efficiency and Effectiveness



CARES Act and Additional Funding Need

CTA was allocated \$817.5 million of CARES Act relief funding to help offset fare revenue and public funding losses due to the COVID-19 pandemic. To balance expenses and meet its required recovery ratio, CTA's proposed budget exhausts remaining CARES Act funding and calls for additional relief funding of \$372 million in 2021, with a total of \$1.121 billion required over the three-year financial planning period. If such funding does not materialize, CTA will likely be forced to implement significant service reductions and other budget balancing actions to reduce overall expenses.

Net Result and Recovery Ratio

As shown in Table 4, CTA's operating budget is balanced in 2021 through 2023 by the additional funding need, shown in red. Revenues equal expenditures, producing a net result of zero. CTA's 2021 recovery ratio of 55.8%, calculated by dividing total operating revenue by total operating expenditures, with approved adjustments, meets the RTA Board adopted requirement of 54.75%. CTA has properly included CARES Act funding as operating revenue in 2021, and proposes to include a portion of the additional relief funding it has identified in 2021 through 2023 operating revenue.

Table 4. CTA 2021 Budget and 2022-2023 Financial Plan (dollars in thousands)

	2019 Actual	2020 Estimate	2021 Budget	2022 Plan	2023 Plan
Revenues					
<u>Operating Revenues</u>					
Passenger Revenue	585,297	221,479	248,275	468,238	497,502
State Reduced Fare Reimbursement	14,606	14,606	14,606	14,606	14,606
Other Revenue	97,274	66,017	75,436	85,146	91,029
CARES Act Funding - Fare Revenue Replacement ¹	-	393,555	263,548	-	-
Additional Relief Funding or Budget Balancing Actions ²	-	-	137,991	183,290	170,997
Total Operating Revenues	697,177	695,657	739,856	751,280	774,135
<u>Public Funding</u>					
Sales Tax I	388,833	323,505	324,778	344,265	363,888
Sales Tax II	56,974	56,509	38,088	42,196	44,214
PTF II	67,915	60,793	57,556	62,931	66,518
25% PTF on RETT	15,030	12,027	11,446	12,386	13,092
Non-Statutory Funding - PTF I	220,960	198,357	187,545	205,351	217,056
Non-Statutory Funding - ST I	-	910	-	-	988
Innovation, Coordination, and Enhancement Funding ³	6,127	5,142	5,117	5,424	5,733
City of Chicago RETT	62,373	49,426	46,740	49,544	52,368
CARES Act Funding - Public Funding Replacement	-	160,384	-	-	-
Additional Relief Funding or Budget Balancing Actions	-	-	233,940	206,682	188,433
Total Public Funding	818,211	867,053	905,209	928,779	952,291
Total Revenues	\$1,515,388	\$1,562,710	\$1,645,065	\$1,680,059	\$1,726,425
Expenses					
Labor	1,093,922	1,136,119	1,169,104	1,198,332	1,228,290
Material	67,652	76,252	87,767	90,400	93,112
Fuel	40,396	39,671	38,138	34,595	43,768
Power	31,560	27,699	31,685	32,385	31,012
Insurance & Claims	7,500	22,000	31,680	31,680	31,680
Purchase of Security Services	14,920	20,163	20,176	20,479	20,786
Other Expenses	259,438	240,806	266,515	272,188	277,778
Total Expenses	\$1,515,388	\$1,562,710	\$1,645,065	\$1,680,059	\$1,726,425
ICE funding not used for operations - transfer to capital ³	-	-	-	-	-
Net Result	\$0	\$0	\$0	\$0	\$0
Recovery Ratio	56.3%	54.8%	54.8%	54.8%	54.8%

¹ Authorized to be included as operating revenue for recovery ratio purposes by RTA Ordinance 2020-20.

² Assumed to be authorized for inclusion as operating revenue for recovery ratio purposes.

³ As authorized by RTA Ordinance 2020-47, ICE amounts not required for operating funding may be redesignated for capital projects.

Metra Operating Budget

Metra's proposed operating budget reflects the continuation of the temporary service reductions implemented in response to the COVID-19 pandemic, then gradually restores service over the 2021-2023 planning period to match anticipated ridership recovery. Although Metra's proposed budget does not depend on additional relief funding beyond that provided by the CARES Act, Metra's budget message clearly states that an additional \$570 million of relief funding would be required over the 2021-2023 period for Metra to operate the normal service levels it would prefer to offer its customers.

"Without more financial assistance, we face some awful and extremely difficult choices, including cuts in service. With our sister agencies in Chicago and across the country in the same predicament, we need to get the message out that public transportation will be severely curtailed without additional financial relief."

Jim Derwinski, Metra CEO/Executive Director

When comparing the proposed 2021 budget to the 2020 estimate, note that the 2020 estimate is based on an amended budget that reflects the impact of the COVID-19 pandemic on ridership, fare revenue, public funding, and expenses.

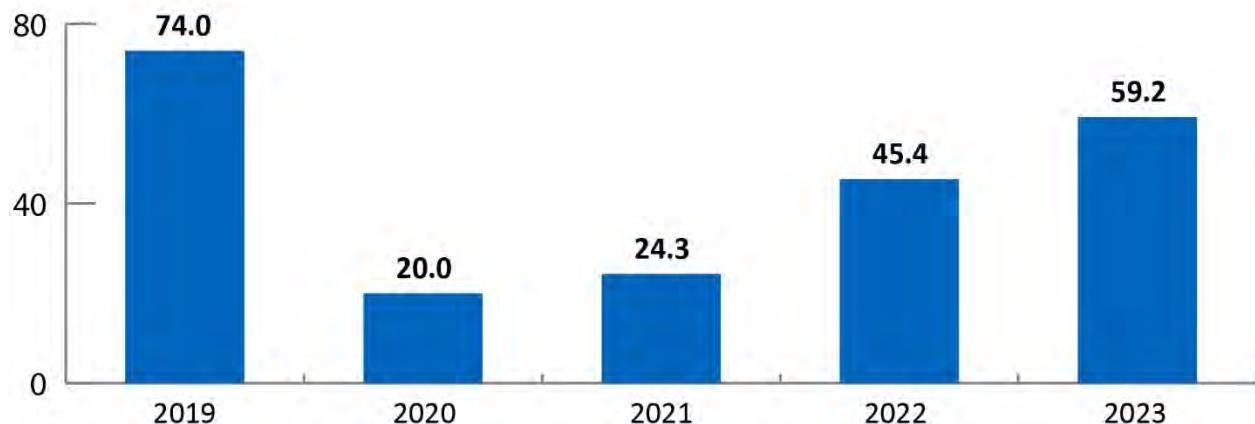
Ridership

Following the onset of the COVID-19 pandemic in March, Metra ridership plummeted to about 3% of normal (2019) levels before slowly recovering to around 10% of normal by October.

Metra's 2020 ridership is projected to end the year at about 20 million, down 73% from 2019.

The 2021 budget anticipates ridership of 24.3 million, or about 33% of normal levels — an increase of 22% from the 2020 estimate. Further recovery is anticipated for 2022 and 2023, with ridership assumed to reach 80% of normal by the end of the planning period.

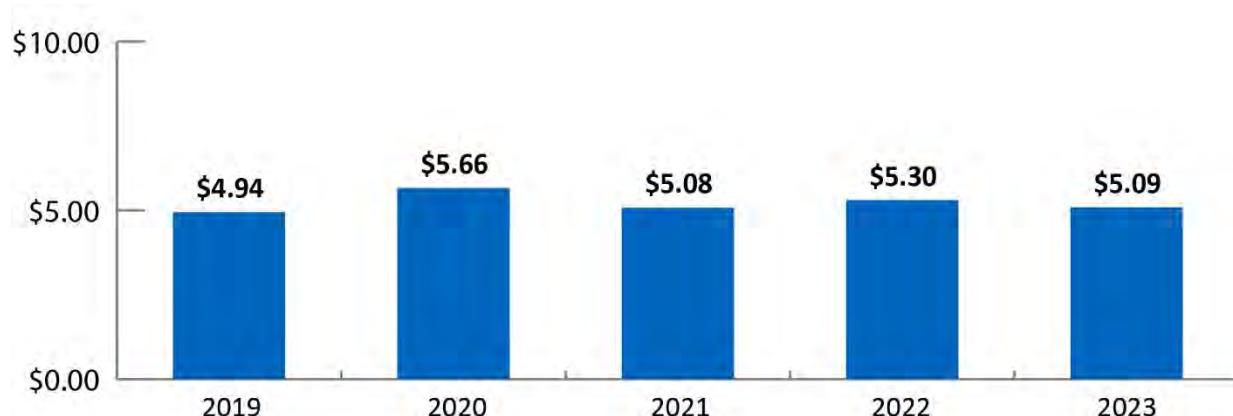
Figure 13. Metra Ridership (millions)



Fares

No fare increases are proposed for 2021. A new Saturday or Sunday one-day pass will be introduced, with unlimited rides for \$7. Metra will also update the existing weekend pass to be available only on the mobile app. Other pilot projects to be explored in 2021 include a welcome back initiative, multi-day passes, off-peak pricing, and a loyalty program. Metra's average fare is budgeted at \$5.08 in 2021. Fluctuation in average fare is apparent across the five-year period because the mix of ticket types is expected to vary as customers adjust travel patterns during the recovery.

Figure 14. Metra Average Fare

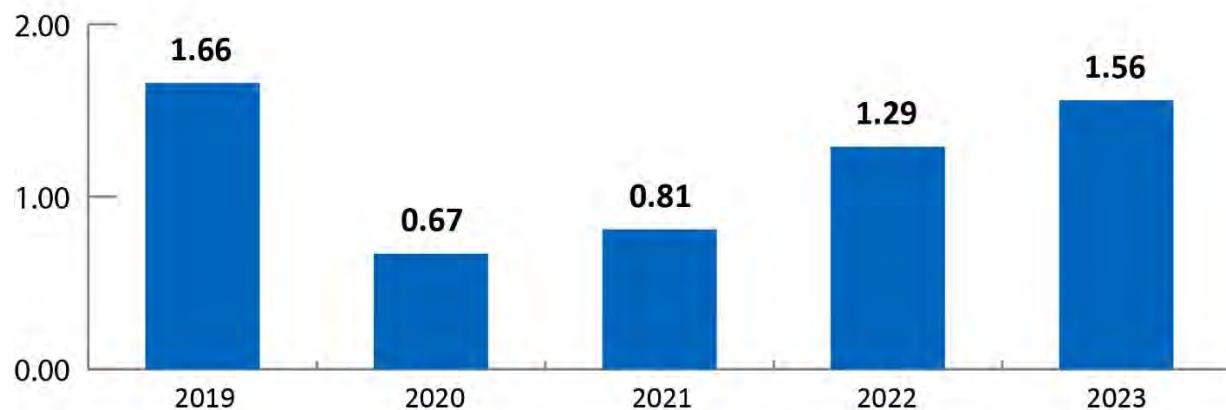


Service Levels

COVID-19 related ridership declines prompted Metra to temporarily institute significant service reductions on all lines, with alternate weekday schedules and modification or suspension of weekend service. Metra's 2021 budget extends those service reductions until additional revenue becomes available.

Service effectiveness, as measured by passenger trips per vehicle revenue mile (VRM), declined sharply with the 2020 ridership losses. As ridership recovers while Metra's schedule remains reduced, effectiveness is projected to increase steadily in 2021 and the two-year planning period, nearing 2019 levels by 2023.

Figure 15. Metra Passenger Trips Per Vehicle Revenue Mile



Operating Revenue

Metra anticipates that total 2021 operating revenues will decrease by about 6% to \$341.5 million, but fare revenue is budgeted to increase by 9% due to higher ridership. As authorized by the RTA Board, federal CARES Act funding requisitioned to replace lost fare revenue may continue to be counted by the Service Boards as operating revenue for the purpose of meeting required recovery ratios. Such CARES Act funding of \$184.0 million is included as Metra's largest operating revenue source for 2021. Metra's \$1.6 million share of the State reduced fare reimbursement and other revenue of \$32.5 million round out the operating revenue picture. Other revenue includes lease of space, advertising income, and capital credits.

Operating revenues comprise about 49% of Metra's total revenue for operations, with the balance provided by public funding sources.

Figure 16. Metra 2021 Revenues: \$704.2 Million



Public Funding

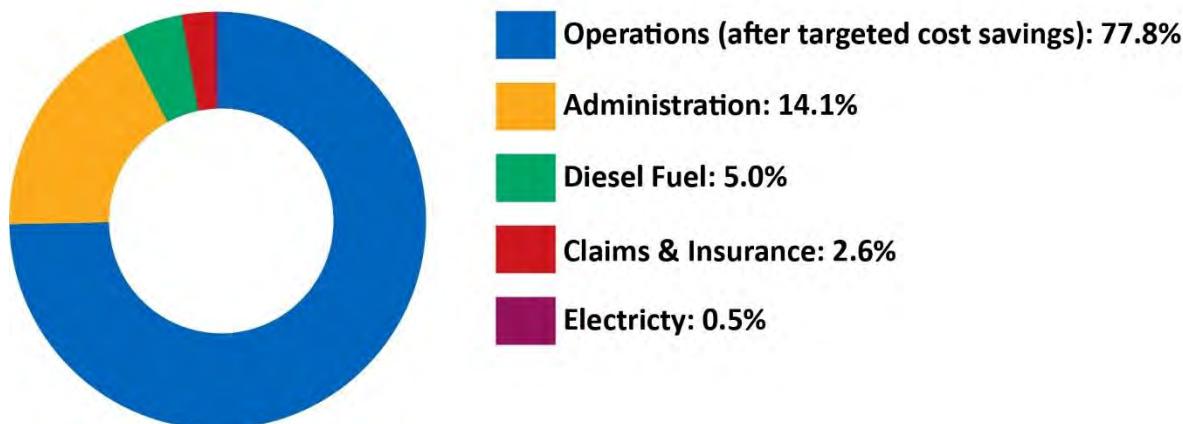
Metra's total 2021 public funding is projected to be \$362.7 million, a 4.0% decrease compared to the 2020 estimate. While sales tax and PTF receipts are forecast to decline further in 2021, federal CARES Act funding of \$22.2 million is expected to be requisitioned to partially offset those funding losses.

Metra's public funding assumptions match the RTA Board adopted marks for sales tax, PTF, RTA non-statutory funding, and ICE funding. Metra's share of the 2021-2023 ICE funding is allocated to the capital program, with proposed uses shown in Table 3 of the Regional Operating Budget section.

Expenses

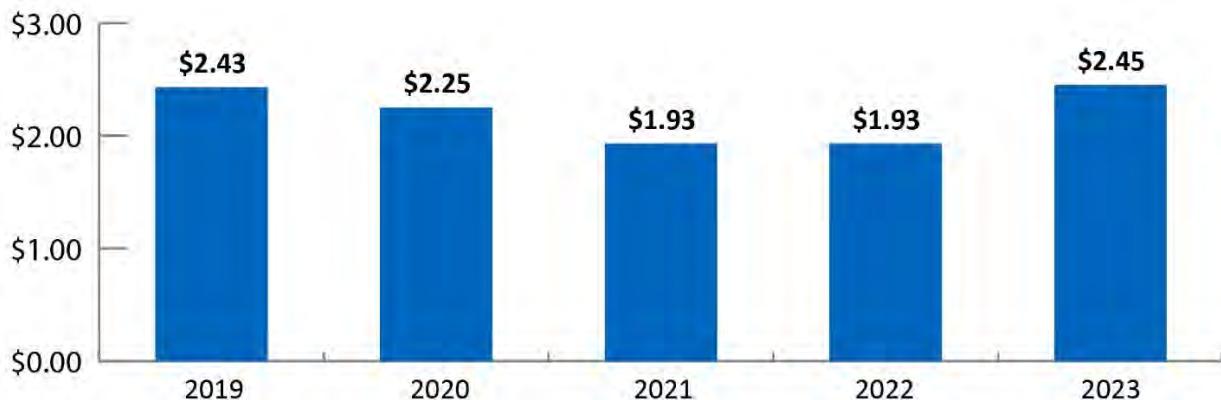
Proposed 2021-2023 expenses reflect the levels that Metra can afford, given the reduced revenue environment. Metra projects that 2021 total expenses must decrease by almost 5% from the 2020 estimate, to \$700.0 million, about 18% lower than Metra's pre-COVID 2021 Plan. To reach this \$700 million total expense level, Metra's Operations expense for full-schedule service of \$669.5 million requires targeted cost savings of \$124.9 million. While approximately \$55 million of that target can be achieved by the continuation of reduced service levels, another \$70 million of required cost savings are yet to be identified for 2021. When aggregated, Metra's remaining expense categories — Insurance, Administration, Fuel, and Power — reflect the reduced operating schedule and as a result are flat relative to the 2020 estimate.

Figure 17. Metra 2021 Expenses: \$700.0 Million



Diesel fuel expenditures, comprising about 5% of Metra's total operating expenses, are expected to decrease by 18% in 2021 to \$35.1 million due to a combination of lower consumption related to service reductions and the locking in of 2021 fuel purchases at favorable rates. Fuel price is budgeted at \$1.93 per gallon, representing a 32 cent decrease from the 2020 estimate.

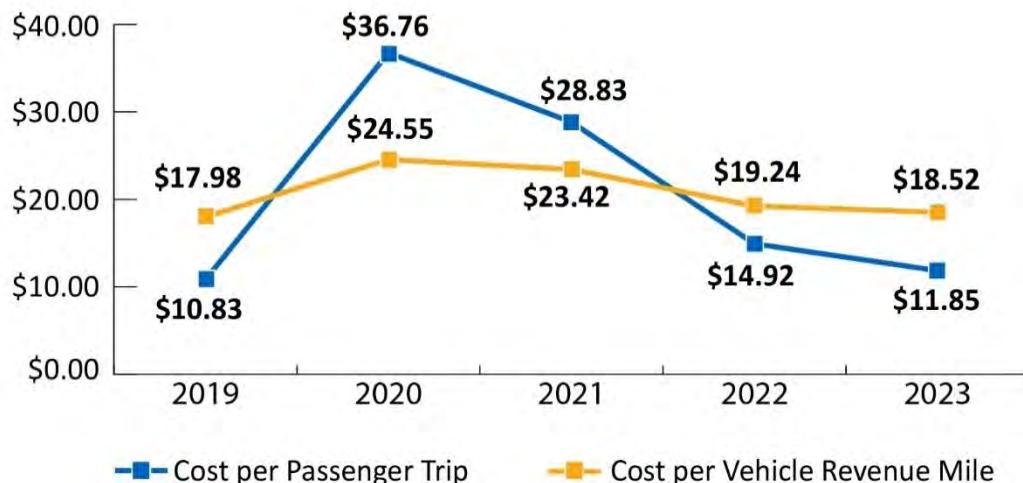
Figure 18. Metra Fuel Price Per Gallon



Electricity expense for the Metra Electric District line is budgeted to increase by 2.9% in 2021, to \$3.5 million. For 2022, Metra's overall expenses are planned to decrease by 3.1% before growing by a similar amount in 2023. This results in generally flat total expenses across the period, necessary for Metra to maintain balance with projected revenues.

Cost efficiency is shown in the next chart by cost per vehicle revenue mile, which is projected to increase in 2020 as fixed costs are spread over fewer revenue miles due to the service reductions. Cost effectiveness is shown as cost per passenger trip, which more than triples in 2020 because of the sharp COVID-related ridership decline. Both measures should improve in 2021-2023 if ridership recovers as expected.

Figure 19. Metra Cost Efficiency and Effectiveness



CARES Act and Additional Funding Need

Metra was allocated \$479.2 million of CARES Act relief funding to help offset fare revenue and public funding losses due to the COVID-19 pandemic. To meet its required recovery ratio, Metra's budget solution constrains overall expense via reduced service, allowing CARES Act funding drawdowns to extend into 2022.

To operate a full-service schedule, Metra has stated the need for a total of \$570 million of additional relief funding over the 2021-2023 period. If such funding does not materialize, Metra will be forced to continue to operate reduced service levels and rely on yet to be determined cost reductions. These cost reductions could include further schedule reductions and other actions to balance the operating budget.

Net Result and Recovery Ratio

As shown in Table 5, Metra's operating budget is balanced in 2021 through 2023 by the targeted cost savings related to operations, shown in red. Revenues equal expenditures, producing a net result of zero. By 2022, Metra's funding level allows for the resumption of fare revenue transfers to the capital program, since not all funding may be expended on operations while still meeting recovery ratio requirements.

Metra's 2021 through 2023 recovery ratios, calculated by dividing total operating revenue by total operating expenditures, with approved adjustments, meet or exceed the RTA Board adopted requirement of 52.5%. Metra has properly included CARES Act funding as operating revenue in both 2021 and 2022.

Table 5. Metra 2021 Budget and 2022-2023 Financial Plan (dollars in thousands)

	2019 Actual	2020 Estimate	2021 Budget	2022 Plan	2023 Plan
Revenues					
Operating Revenues					
Passenger Revenue	365,935	113,200	123,400	240,900	301,400
State Reduced Fare Reimbursement	1,618	1,618	1,618	1,618	1,618
Other Revenue	44,285	35,952	32,466	32,494	34,963
CARES Act Funding - Fare Revenue Replacement ¹	-	210,500	184,000	50,900	-
Total Operating Revenues	411,839	361,270	341,484	325,912	337,981
Public Funding					
Sales Tax I	306,654	258,982	256,105	271,472	286,946
Sales Tax II	46,291	45,913	30,947	34,284	35,924
PTF II	55,181	49,394	46,764	51,132	54,046
Non-Statutory Funding - PTF I	-	-	-	-	-
Non-Statutory Funding - ST I	-	740	-	-	803
Innovation, Coordination, and Enhancement Funding ²	4,978	4,178	4,158	4,407	4,658
Joint Self Insurance Fund (JSIF) Reserve	2,500	-	2,500	-	-
Homeland Security Grant	1,500	-	-	-	-
CARES Act Funding - Public Funding Replacement	-	11,700	22,200	-	-
Prior Year PBV	-	7,000	-	-	-
Total Public Funding	417,105	377,908	362,673	361,295	382,376
Total Revenues	\$828,943	\$739,178	\$704,158	\$687,207	\$720,358
Expenses					
Operations	625,794	579,800	669,500	693,200	716,000
Targeted Cost Savings - Operations ³	-	-	(124,900)	(177,400)	(191,100)
Claims & Insurance	20,532	18,500	18,300	18,700	19,000
Administration	91,408	90,500	98,500	98,500	98,500
Diesel Fuel	64,475	42,800	35,100	41,000	55,300
Electricity	-	3,400	3,500	4,000	4,300
Total Expenses	802,210	735,000	700,000	678,000	702,000
ICE funding not used for operations - transfer to capital ²	(4,978)	(4,178)	(4,158)	(4,407)	(4,658)
Farebox capital program	(7,000)	-	-	(4,800)	(13,700)
Net Result	\$14,756	\$0	\$0	\$0	\$0
Recovery Ratio	54.9%	53.0%	53.0%	52.5%	52.5%

¹ Authorized to be included as operating revenue for recovery ratio purposes by RTA Ordinance 2020-20.

² As authorized by RTA Ordinance 2020-47, ICE amounts not required for operating funding may be redesignated for capital projects.

³ Expected to be achieved through a combination of reduced service and other as yet undetermined cost reduction actions.

Pace Suburban Bus Service Operating Budget

Pace's proposed operating budget makes the temporary service reductions implemented following the onset of the COVID-19 pandemic permanent until operating funding recovers to sufficient levels. Even at these reduced service levels, Pace's three-year operating plan requires an additional \$88.6 million of relief funding to balance projected expense levels.

"Our funding streams have been devastated by the COVID-19 pandemic. We will continue to provide the highest level of service possible with the resources we have, but we're approaching a cliff. We need help. We need federal relief to continue providing the critical transportation service our region needs."

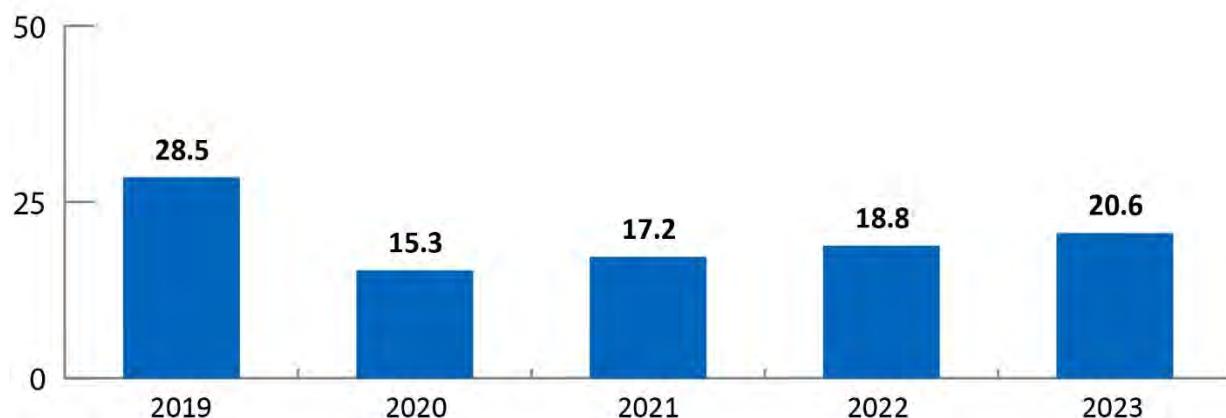
Rocky Donahue, Pace Executive Director

When comparing the proposed 2021 budget to the 2020 estimate, note that the 2020 estimate is based on an amended budget that reflects the impact of the COVID-19 pandemic on ridership, fare revenue, public funding, and expenses.

Ridership

Pace ridership is estimated to finish 2020 at 15.3 million, a 46% decrease from the prior year. Following the onset of the COVID-19 pandemic in March, Pace ridership quickly declined to about 25% of normal (2019) levels before slowly recovering to around 45% of normal in October. Combined ridership for Pace's three Suburban Service modes is budgeted to increase by 12% in 2021 to 17.2 million, or about 60% of normal levels. Further recovery is anticipated for 2022 and 2023, with ridership expected to reach 73% of normal by the end of the 2021-2023 planning period.

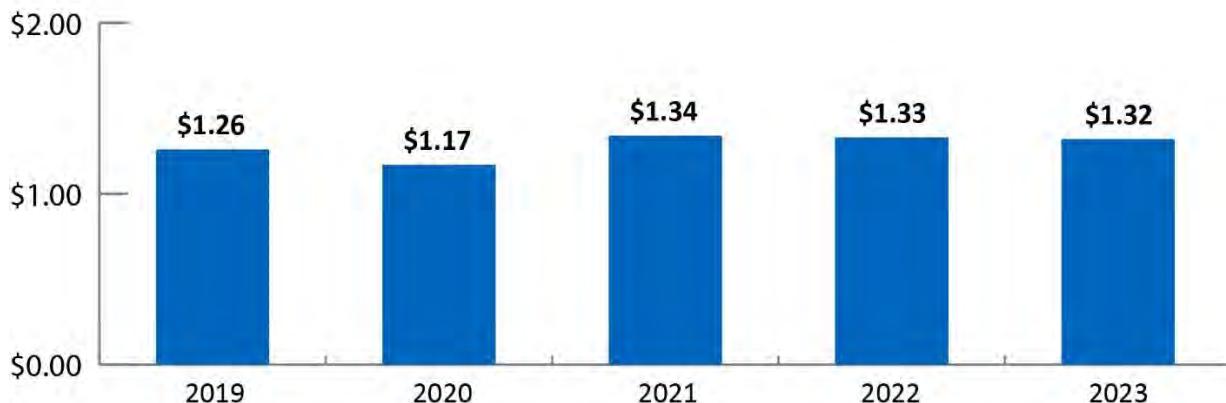
Figure 20. Pace Ridership (millions)



Fares

Pace last implemented a general 25 cent fare increase in January 2018, and the 2021 budget does not contain any proposed fare adjustments. Pace's average fare across all fare and pass types was \$1.26 in 2019 and is projected to remain fairly steady through 2023 with some minor fluctuations as ridership recovers. Pace's two-year financial plan does incorporate budget balancing actions in 2022 and 2023, which could include future fare adjustments.

Figure 21. Pace Average Fare

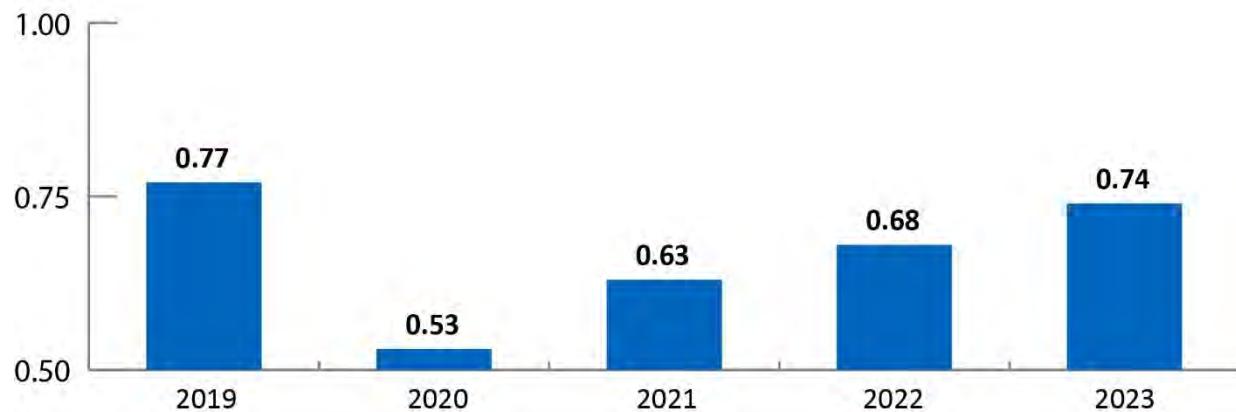


Service Levels

In response to COVID-19-related ridership declines, Pace temporarily suspended or reduced service on almost 100 bus routes in May 2020. Pace's 2021 budget extends those service reductions and makes them permanent until additional funding becomes available. Specifically, 73 routes are proposed to be discontinued and 25 more will have reduced service, contingent upon customer feedback at Pace's required public hearings. A complete list of the affected routes is available in Pace's 2021 Proposed Budget document.

Service effectiveness, as measured by passenger trips per vehicle revenue mile (VRM), declined sharply with the 2020 ridership losses. As ridership recovers while Pace's schedule remains reduced, effectiveness is projected to increase steadily in 2021 and the two-year planning period, nearing 2019 levels by 2023.

Figure 22. Pace Passenger Trips Per Vehicle Revenue Mile

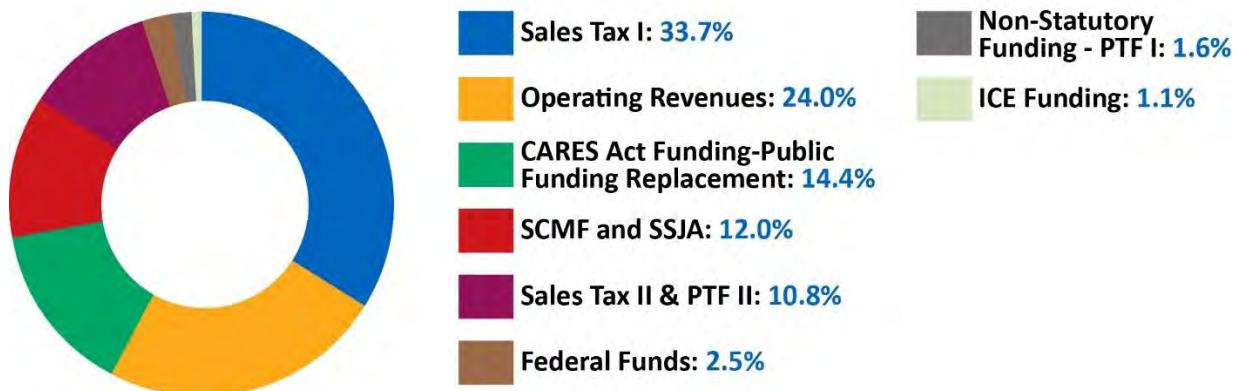


Operating Revenue

Pace projects that total 2021 operating revenues will increase by 9.6% to \$57.8 million, driven by higher fare revenue of \$23.0 million as ridership begins to recover. As authorized by the RTA Board, federal CARES Act funding requisitioned to replace lost fare revenue may continue to be included by the Service Boards as operating revenue for the purpose of meeting required recovery ratios. CARES Act funding of \$19.6 million is projected as Pace's second largest operating revenue source for 2021. Pace's \$1.3 million share of the State reduced fare reimbursement and other revenue of \$13.8 million round out the operating revenue picture. Other revenue includes investment income, advertising income, and local government contributions for specific Pace services.

Operating revenue comprises less than 25% of Pace's total revenue for operations, with the balance provided by public funding sources.

Figure 23. Pace 2021 Revenues: \$240.8 Million



Public Funding

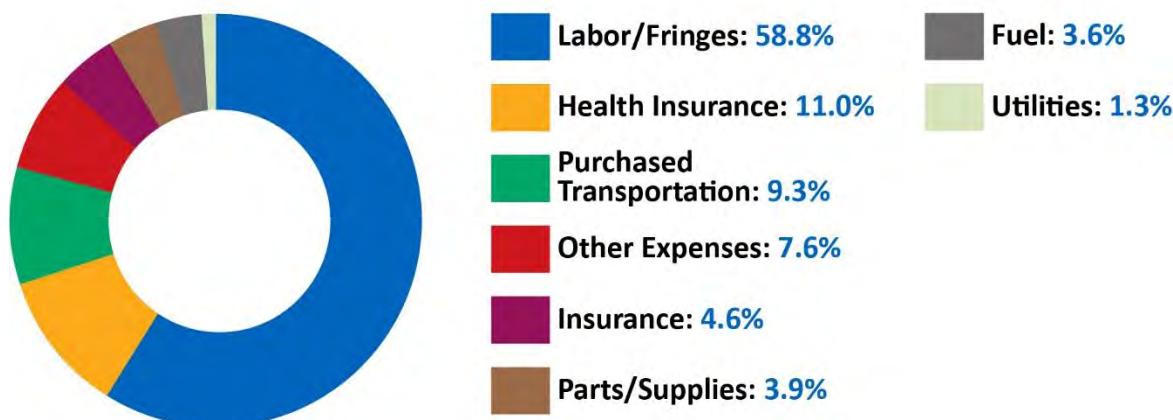
Pace's total 2021 public funding is projected to increase by 8.7% from the 2020 estimate to \$182.9 million. While sales tax and PTF receipts are expected to decline further in 2021, federal CARES Act funding of \$34.6 million is expected to be requisitioned to offset those funding losses.

Pace's public funding assumptions match the RTA Board adopted marks for sales tax, PTF, Suburban Community Mobility Funds, South Suburban Job Access Funds, RTA non-statutory funding, and ICE funding. Pace's share of the 2021-2023 ICE funding is allocated to the capital program, with proposed uses shown in Table 3 of the Regional Operating Budget section. In addition to RTA funding, Pace anticipates \$6.1 million of federal CMAQ / Enhanced Mobility funding for operations in 2021.

Expenses

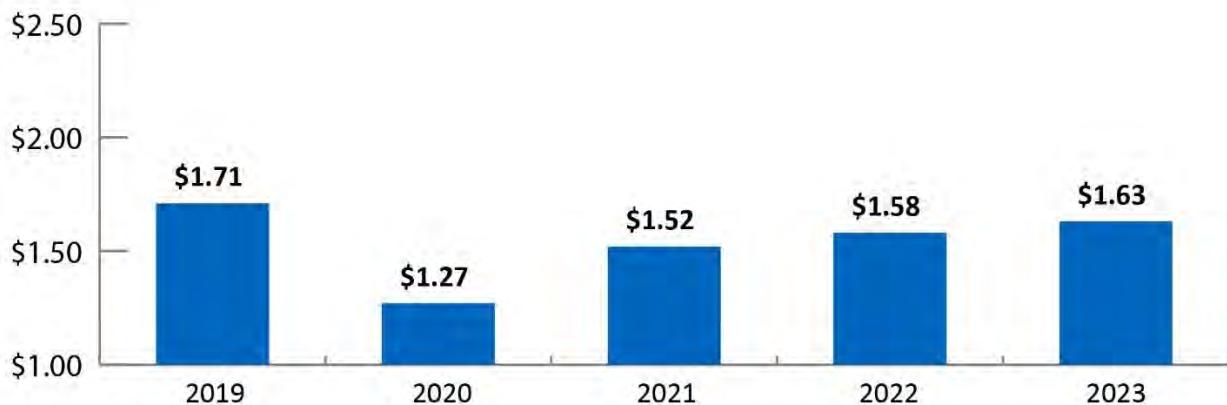
Pace projects that 2021 total expenditures will increase from the 2020 estimate by 8.2%, to \$239.4 million, a decrease of about 3% from Pace's pre-COVID 2021 Plan. Labor, Pace's largest expense category, is expected to increase by 5.5% to \$140.6 million. Expense growth in the Materials and Purchased Transportation categories is being driven by the relocation of \$14.6 million of preventive maintenance and capital cost of contracting expenses from the capital program to the operating budget. As a result, Pace's proposed 2021 total expenses are essentially unchanged from the original 2020 operating budget.

Figure 24. Pace 2021 Expenses: \$239.4 Million



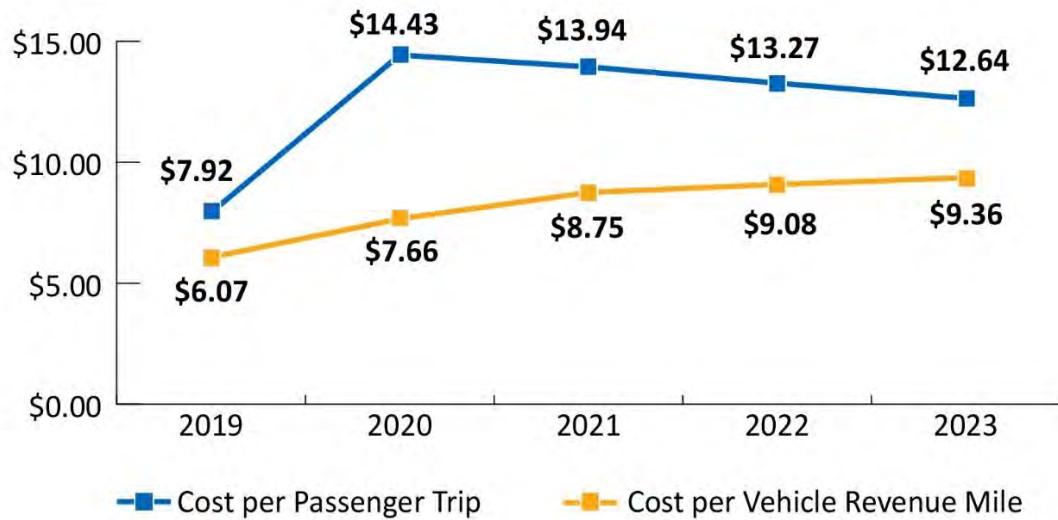
Pace's fuel expense is projected to grow by 11.9% to \$8.6 million. Consumption is expected to decrease by about 7% in 2021 due to the full-year impact of service reductions, but this is more than offset by an assumed price increase to \$1.52 per gallon.

Figure 25. Pace Fuel Price Per Gallon



Cost efficiency is shown in the next chart by cost per vehicle revenue mile, which grows at an average rate of 11.5% per year as fixed costs are spread over fewer revenue miles due to the ongoing schedule reductions. Cost effectiveness is shown as cost per passenger trip, which nearly doubles in 2020 because of the sharp COVID-related ridership decline before improving as ridership slowly recovers.

Figure 26. Pace Cost Efficiency and Effectiveness



CARES Act and Additional Funding Need

Pace Suburban Bus Service was allocated \$112.8 million of CARES Act relief funding to offset fare revenue and public funding losses due to the COVID-19 pandemic. Pace projects that its CARES Act funding will last into 2022, due in part to cost savings from ongoing schedule reductions.

To fully balance Pace's projected 2022 and 2023 expense levels, additional funding of \$88.6 million is required. If such funding does not materialize, Pace will be forced to implement budget balancing actions which could include further service reductions and fare adjustments.

Net Result and Recovery Ratio

As shown in Table 6, Pace's operating budget is balanced in 2021 through 2023 by the additional funding need, shown in red. Revenues equal expenditures, producing a net result of zero.

Pace's 2021 through 2023 recovery ratios — calculated by dividing total operating revenue by total operating expenditures, with approved adjustments — exactly meet the RTA Board adopted requirement of 30.3%, contingent upon the additional funding being approved for inclusion as operating revenue, similar to the CARES Act funding.

Table 6. Pace Suburban Bus Service 2021 Budget and 2022-2023 Financial Plan (dollars in thousands)

	2019 Actual	2020 Estimate	2021 Budget	2022 Plan	2023 Plan
Revenues					
<u>Operating Revenues</u>					
Passenger Revenue	36,050	17,979	23,014	24,959	27,128
State Reduced Fare Reimbursement	1,346	1,346	1,346	1,346	1,346
Other Revenue	18,199	13,768	13,824	14,636	15,277
CARES Act Funding - Fare Revenue Replacement ¹	-	19,689	19,644	20,428	-
Additional Relief Funding or Budget Balancing Actions ²	-	-	-	-	20,954
Total Operating Revenues	55,595	52,782	57,828	61,369	64,705
<u>Public Funding</u>					
Sales Tax I	97,174	82,038	81,150	86,020	90,923
Sales Tax II	15,413	15,304	10,316	11,428	11,975
PTF II	18,394	16,465	15,588	17,044	18,015
Suburban Community Mobility Fund	25,528	21,426	21,321	22,601	23,889
South Suburban Job Access Fund	7,500	7,500	7,500	7,500	7,500
Non-Statutory Funding - PTF I	4,509	4,048	3,827	4,191	4,430
Non-Statutory Funding - ST I	-	247	-	-	268
Innovation, Coordination, and Enhancement Funding ³	440	1,393	1,386	1,469	1,553
ICE Carryover (2019) ⁴	-	30	1,211	-	-
CMAQ / Enhanced Mobility	6,692	7,893	6,070	4,142	72
CARES Act Funding - Public Funding Replacement	-	12,018	34,577	6,401	-
Additional Relief Funding or Budget Balancing Actions	-	-	-	28,864	38,755
Total Public Funding	175,650	168,362	182,947	189,659	197,379
Total Revenues	\$231,245	\$221,144	\$240,775	\$251,028	\$262,084
Expenses					
Labor/Fringes	129,874	133,371	140,644	144,558	148,191
Health Insurance	24,686	27,166	26,398	28,351	30,449
Parts/Supplies	6,166	5,816	9,233	9,922	10,635
Purchased Transportation	25,725	16,778	22,194	23,642	26,107
Fuel	12,394	7,693	8,611	9,321	10,042
Utilities	2,506	2,875	3,066	3,254	3,448
Insurance	9,685	10,407	11,089	11,918	12,778
Other Expenses	14,907	17,038	18,153	18,593	18,881
Total Expenses	\$225,943	\$221,144	\$239,388	\$249,559	\$260,531
ICE funding not used for operations - transfer to capital ³	-	-	(1,386)	(1,469)	(1,553)
Net Result	\$5,302	\$0	\$0	\$0	\$0
Recovery Ratio	30.8%	30.3%	30.3%	30.3%	30.3%

¹ Authorized to be included as operating revenue for recovery ratio purposes by RTA Ordinance 2020-20.

² Assumed to be authorized for inclusion as operating revenue for recovery ratio purposes.

³ As authorized by RTA Ordinance 2020-47, ICE amounts not required for operating funding may be utilized for approved capital projects.

⁴ Carried forward due to delayed start-up of Milwaukee Ave Pulse service.

Pace ADA Paratransit Operating Budget

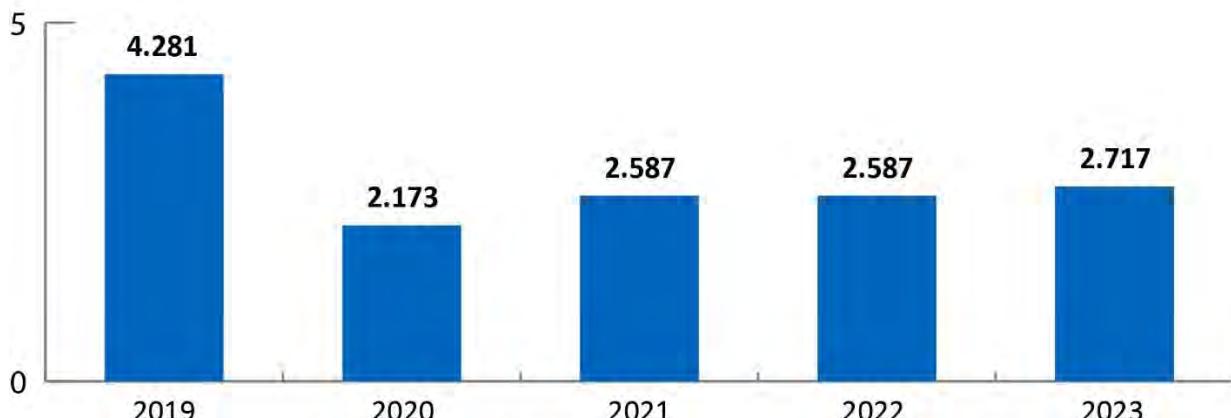
The COVID-19 pandemic had an immediate and out-sized impact on Pace's ADA Paratransit operation. To protect customers from the risk of infection, Pace suspended shared rides, which effectively undid years of efficiency gains Pace had achieved. In addition, Pace implemented driver retention actions to avoid a driver shortage as demand began to recover. The RTA ADA Paratransit reserve was tapped in 2020 to maintain a sufficient level of overall funding, but for 2021-2023, only Sales Tax II and State funding are utilized to meet Pace's ADA Paratransit funding requirement.

Ridership

ADA Paratransit ridership declined sharply at the onset of the COVID-19 pandemic and stay-at-home order in March. Pace expects ridership to finish 2020 at 2.2 million, down about 50% from 2019. Pace's proposed budget projects that ADA Paratransit ridership, including companions, will rebound by 19.1% in 2021 to 2.6 million, or about 60% of normal (2019) ridership.

When comparing the proposed 2021 budget to the 2020 estimate, note that the 2020 estimate is based on an amended budget that reflects the impact of the COVID-19 pandemic on ridership, fare revenue, public funding, and expenses.

Figure 27. Pace ADA Paratransit Ridership (millions)

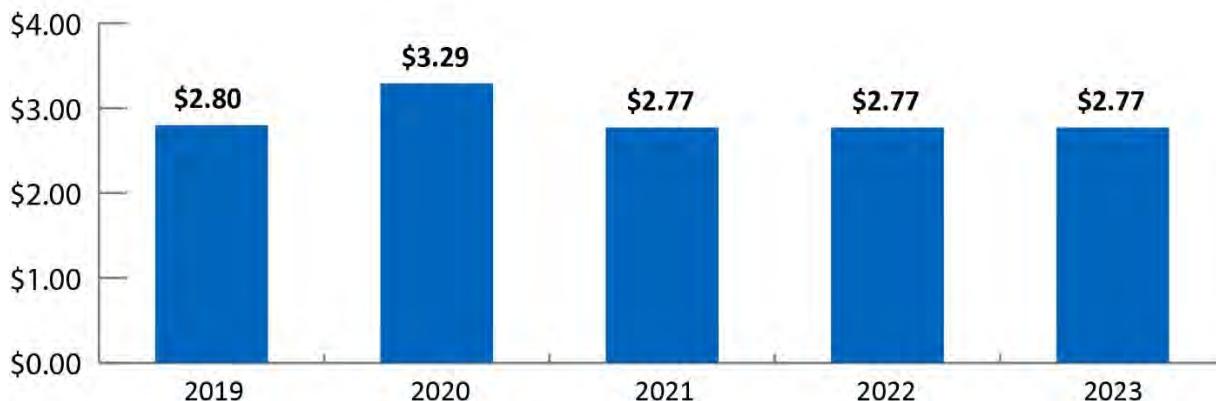


Taxi Access Program (TAP) ridership is forecast at 189,000 or about 77% of 2019 levels, as Pace continues to emphasize that mode as a cost-effective alternative to traditional ADA Paratransit service. Total ridership is projected to remain flat in 2022 before increasing by 5% in 2023, ending the 2021-2023 planning period at 2.7 million.

Fares

No fare increase has been proposed by Pace for 2021, so the base ADA Paratransit fare will remain at \$3.25. The TAP fare was reduced from \$5.00 to \$3.00 in 2017 and will also be unchanged for 2021. Because personal care attendants of ADA Paratransit riders are included in ridership totals but do not pay a separate fare, the average fare across all riders is less than the base fare and is projected to remain constant at \$2.77 through 2023.

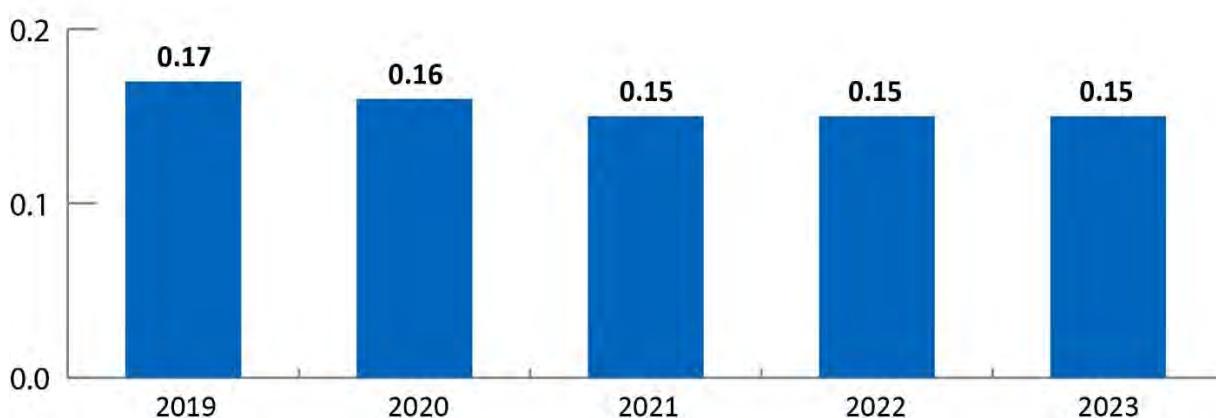
Figure 28. Pace ADA Paratransit Average Fare



Service Levels

ADA Paratransit service levels are driven by customer demand. Pace projects that ADA Paratransit vehicle revenue miles will decrease by 44% in 2020, less than the projected ridership decline, due to the suspension of shared rides. As a result, service effectiveness, as measured by passenger trips per vehicle revenue mile, is expected to decrease from pre-COVID levels before stabilizing over the three-year planning period.

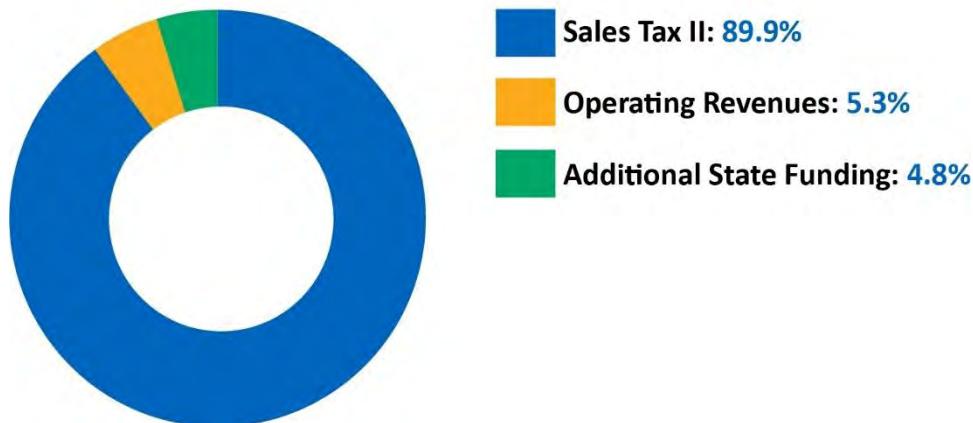
Figure 29. Pace ADA Paratransit Passenger Trips Per Vehicle Revenue Mile



Operating Revenue

Pace projects that 2021 ADA Paratransit operating revenues will increase by 15.1% to \$9.3 million as ridership begins to recover. Fare revenue is expected to increase with ridership, but most of the operating revenue gains are in Other revenue, consisting of payments for RTA certification trips and a small amount of investment income. Other revenue is projected to more than double in 2021 to \$2.1 million. Operating revenue comprises only about 5% of Pace's total revenue for operations, with the balance provided by public funding sources.

Figure 30. Pace ADA Paratransit 2021 Revenues: \$175.0 Million



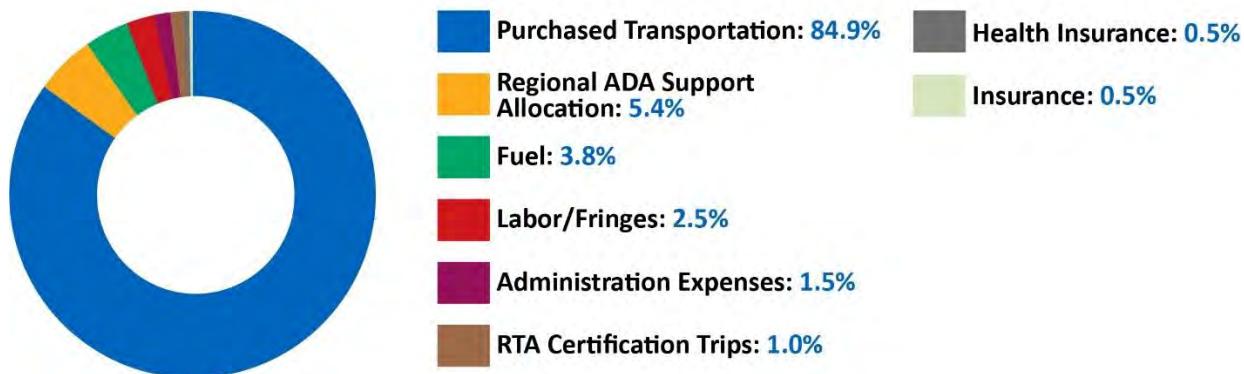
Public Funding

In 2011, the RTA Act was amended to ensure that ADA Paratransit operations are fully funded each year. In the 2021 budget, Pace projects an ADA Paratransit funding need of \$165.7 million, satisfied by Sales Tax II funds of \$157.3 million and additional state funding of \$8.4 million. Due to the ongoing impacts of COVID-19 on ridership and cost efficiency, there is considerable uncertainty in the 2021 funding requirement. If additional ADA funding is needed, the RTA Board may be asked to approve the use of ADA Paratransit reserve funds or an additional sales tax allocation. Pace's two-year financial plan indicates that adopted RTA funding levels should be sufficient for 2022 and 2023, if Pace's ridership assumptions hold true.

Expenses

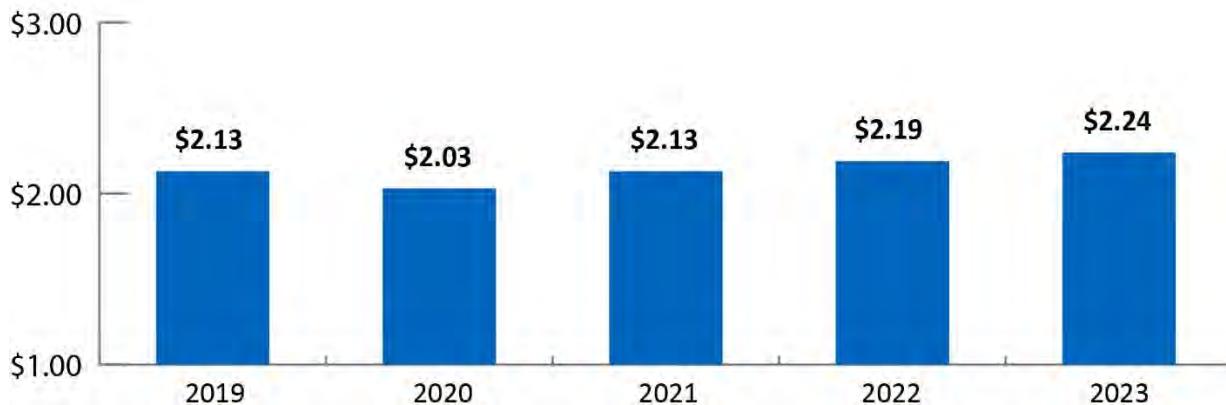
Pace projects that 2021 operating expenditures for ADA Paratransit will increase by 3.6% to \$175.0 million, balanced with revenue, followed by increases of 3.3% and 5.9% in 2022 and 2023, respectively. Purchased transportation, which accounts for 85% of total ADA Paratransit expenses, is budgeted to increase by 1.8% in 2021, and the regional ADA support allocation, which accounts for work done by other Pace departments in support of ADA Paratransit, is projected at \$9.4 million, an increase of 3.3% from 2020.

Figure 31. Pace ADA Paratransit 2021 Expenses: \$175.0 Million



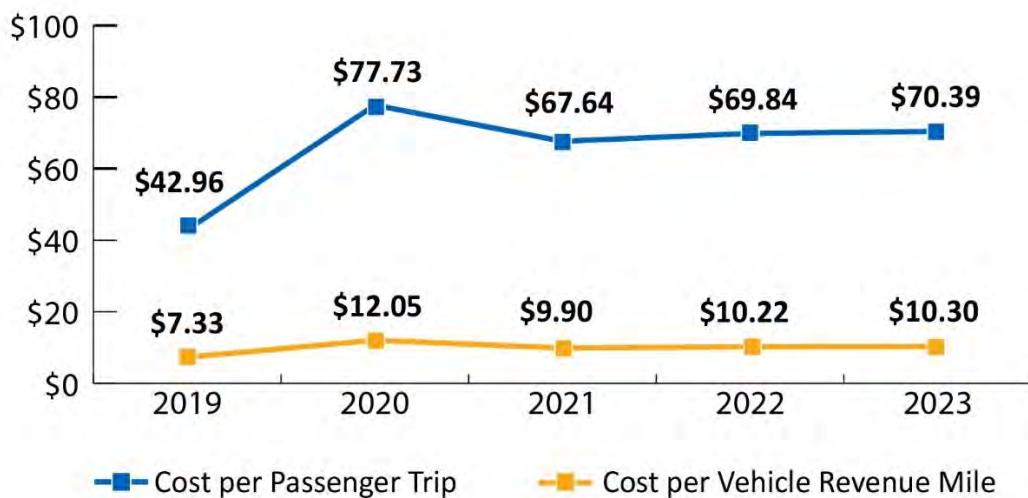
With the new provider contracts in the City of Chicago service area effective in April 2020, Pace now purchases fuel for ADA Paratransit service in both the City and suburban service areas. As a result, fuel expense now comprises about 4% of Pace's total ADA Paratransit expenses. Due to this contractual change, fuel expenses are projected to grow by almost 73% in 2021 to \$6.6 million, with an assumed fuel price of \$2.13 per gallon, flat relative to 2019.

Figure 32. Pace ADA Paratransit Fuel Price Per Gallon



Cost efficiency is shown in the next chart by cost per vehicle revenue mile, which increased to \$12.05 with the COVID-19 disruptions of 2020 but is projected to stabilize at around \$10 in 2021 and the two-year financial planning period. Cost effectiveness, shown as cost per passenger trip, jumped to almost \$78 in 2020 as Pace implemented single rides and driver retention initiatives. Cost per trip is budgeted at \$67.64 in 2021, a decrease from 2020, but 57% higher than pre-COVID (2019) levels.

Figure 33. Pace ADA Paratransit Cost Efficiency and Effectiveness



Net Result and Recovery Ratio

As shown in Table 7, the proposed Regional ADA Paratransit operating budget is balanced in 2021 through 2023, with revenues equal to expenditures, producing a net result of zero in each year.

Pace's 2021 through 2023 recovery ratios, calculated by dividing total operating revenue by total operating expenditures, with approved adjustments, meet the statutory requirement of 10%. Pace's capital cost of contracting expense exclusion of \$72.1 million in 2021 recognizes that a portion of Pace's purchased transportation expense represents payment to ADA Paratransit contractors for their capital investments, rather than operating expenses. An additional security expense exclusion of \$9.9 million was applied to offset efficiency losses due to the provision of single rides.

Table 7. Pace Regional ADA Paratransit 2021 Budget and 2022-2023 Financial Plan (dollars in thousands)

	2019 Actual	2020 Estimate	2021 Budget	2022 Plan	2023 Plan
Revenues					
Operating Revenues					
Passenger Revenue	11,988	7,148	7,157	7,157	7,515
Other Revenue ¹	3,089	931	2,141	2,189	2,334
Total Operating Revenues	\$15,077	\$8,079	\$9,298	\$9,346	\$9,849
Public Funding					
Sales Tax II	164,631	121,003	157,285	162,925	173,019
RTA ADA Paratransit Reserve	-	31,428	-	-	-
Additional State Funding	8,395	8,395	8,395	8,395	8,395
Total Public Funding	\$173,025	\$160,826	\$165,680	\$171,320	\$181,414
Total Revenues	\$188,102	\$168,905	\$174,978	\$180,666	\$191,263
Expenses					
Labor/Fringes	4,040	4,169	4,294	4,423	4,555
Health Insurance	683	863	885	907	930
Admin Expenses	3,282	3,461	2,604	2,671	2,737
Fuel	2,448	3,828	6,611	6,781	7,296
Insurance	991	809	933	957	981
RTA Certification Trips	1,484	738	1,735	1,779	1,912
Purchased Transportation	162,686	145,911	148,483	153,433	162,844
Regional ADA Support Allocation ²	8,311	9,127	9,432	9,715	10,006
Total Expenses	\$183,925	\$168,905	\$174,978	\$180,666	\$191,263
Net Result	\$4,177	\$0	\$0	\$0	\$0
Recovery Ratio	10.4%	10.0%	10.0%	10.0%	10.0%

¹ Includes investment income and reimbursements for RTA certification trips, and also residual Medicaid reimbursements in 2019.

² Accounts for work done by other Pace departments in support of ADA Paratransit activities.

RTA Agency Operating Budget

The May 2020 RTA funding amendment reduced the amount of sales tax available for RTA requirements. In response, \$3.5 million of Agency budget savings was identified, and a revised Agency budget was adopted in August 2020. The amended 2020 Agency budget was funded at \$31.7 million, a reduction of 10% from the original 2020 budget. The proposed 2021 Agency budget has zero growth, and maintains this \$31.7 million funding level through 2022.

Background

The Regional Transportation Authority (RTA) is the oversight, funding and regional planning agency for the three Service Boards: Chicago Transit Authority (CTA) bus and rail, Metra Commuter Rail, and Pace Suburban Service and Regional ADA Paratransit.

The RTA's primary source of operating funding is a regional sales tax which is matched by the State of Illinois via the Public Transportation Fund (PTF).

Most of the RTA sales tax collections and PTF pass directly through the RTA to CTA, Metra, and Pace according to pre-determined, statutory formulas. The remainder of the sales tax and PTF is distributed at the direction of the RTA Board. A portion of this funding covers the RTA agency administrative costs, regional services and programs, and regional debt service expense.

The 2021 Agency operating budget was developed in two parts in order to continue the RTA's support of regional programs and services. First is the RTA Agency Administration Budget, which includes the core agency expenses for staff, facilities, information technology, office services, and professional services to support the funding, planning, and oversight mission of the RTA.

Second is the RTA Regional Programs Budget, which includes Regional Services provided directly to the public by the RTA such as ADA Certification, Mobility Management Services, Travel Information, Customer Service, and the Reduced Fare and Transit Benefit Programs. The Regional Programs Budget also includes all of the RTA's grant-funded projects, RTA-funded regional studies and initiatives, and regional capital programs.

RTA Agency Administration Budget

In 2021, total Agency Administration operating expenses of \$16.1 million are \$1.3 million or 7.2% lower than the 2020 estimate. The 2021 Administration Budget accounts for 42.3% of RTA Agency expenses and is 41.7% below the 2021 administrative expense cap of \$27.6 million set by the RTA Act. Administration expenses are expected to remain flat in 2022 before increasing in line with projected sales tax revenues in 2023.



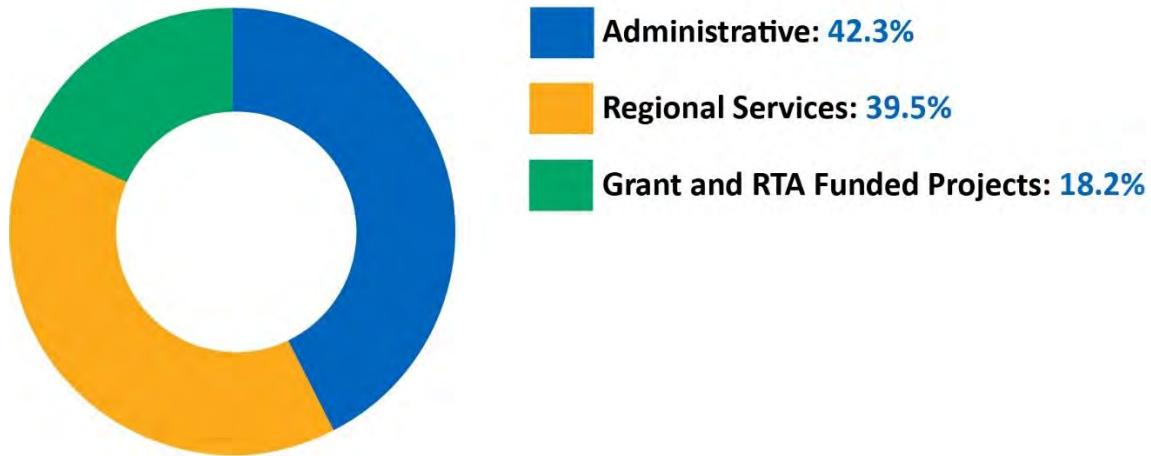
RTA Regional Programs Budget

In 2021, total Regional Programs revenue of \$6.4 million is comprised of Regional Services Operating Revenue of \$0.4 million and federal grants for Regional Projects totaling \$6.0 million. The grant revenue for Regional Projects is \$1.2 million greater than the 2020 estimate.

Total Regional Programs expenses of \$22.0 million, the sum of the Regional Services Operating Expense and the Grant and RTA Funded Project Expenses, comprise the remaining 57.7% of total RTA Agency expenses. This amount is 13.4% higher than the 2020 estimate due primarily to increased and contractually obligated Purchased Service expense of the mostly outsourced Mobility Services Programs. For 2021 these additional costs are being funded from RTA reserves. Overall Regional Services expenses are projected to be \$1.3 million or 9.4% higher than the 2020 estimate, and Regional Programs are also budgeted \$1.3 million higher than the 2020 estimate.

The overall RTA Agency operating expense of \$38.1 million is projected to be 3.7% higher than the 2020 estimate, primarily due to an increase in Regional Services operating expense and Grant-Funded Program expense, partially offset by lower Administration expense. The overall Agency expense level is budgeted to remain flat in 2022 before increasing in 2023.

Figure 34. 2021 RTA Agency Expenses: \$38.1 Million



Sales Tax and CARES Act Funding

The Agency was allocated \$28.8 million, or 2.0%, of the total \$1.438 billion of federal CARES Act funding awarded to the RTA region. Following expected drawdowns of \$11.3 million in 2020, the 2021 budget utilizes \$12.7 million of CARES Act funding to offset lower regional sales tax receipts, with the remaining \$4.8 million programmed for 2022.

As shown in Table 8, the combination of operating revenue of \$0.4 million, grant revenue of \$6.0 million, sales tax of \$19.0 million, and CARES Act funding of \$12.7 million comprise total Agency revenue for 2021, and together balance the overall RTA Agency operating budget expenses of \$38.1 million. Sales tax receipts and CARES Act funds comprise 83.3% of total 2021 Agency revenues.

Figure 35. 2021 RTA Agency Revenues: \$38.1 Million

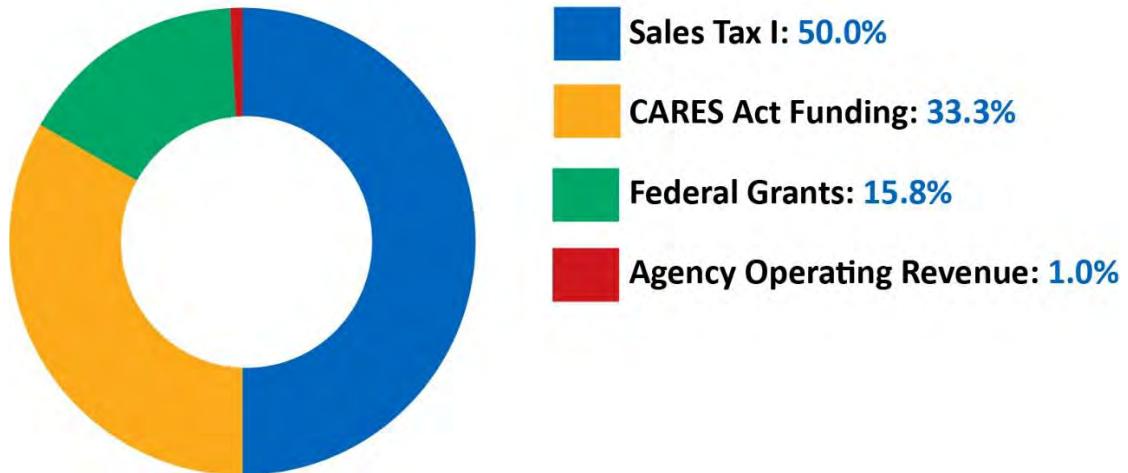


Table 8. RTA Agency 2021 Budget and 2022-2023 Financial Plan (dollars in thousands)

	2019 Actual	2020 Estimate	2021 Budget	2022 Plan	2023 Plan
Revenues					
<u>Operating Revenue</u>					
Administrative Operating Revenue	559	0	0	0	0
Regional Services Operating Revenue	674	230	373	373	408
Total Operating Revenue	\$1,233	\$230	\$373	\$373	\$408
Public Funding					
Federal Grants	6,650	4,800	6,000	6,000	6,566
Sales Tax I	34,185	20,357	19,029	26,905	34,672
CARES Act Funding - Public Funding Replacement	0	11,328	12,656	4,780	0
Total Public Funding	\$40,835	\$36,485	\$37,685	\$37,685	\$41,238
Total Revenues	\$42,068	\$36,716	\$38,058	\$38,058	\$41,647
Expenses					
Administrative Operating Expenses ¹	17,699	17,347	16,091	16,091	17,609
Regional Services Operating Expenses ²	17,183	13,749	15,037	15,037	16,455
Grant and RTA Funded Multi Year Project Expenses	7,187	5,620	6,930	6,930	7,583
Total Expenses	\$42,068	\$36,716	\$38,058	\$38,058	\$41,647
Net Result	\$0	\$0	\$0	\$0	\$0

¹ 2019 includes additional amounts that were set aside for pension contributions, IT infrastructure and network

² 2019 includes additional amounts that were set aside for regional services operations.

Regional Capital Program

Capital programming is a core function of the RTA. Section 2.01b of the RTA Act ([70 ILCS 3615/](#)) requires the RTA Board to annually adopt a regional Five-Year Regional Capital Program that is guided by a strategic plan (*Invest in Transit*) and is fiscally constrained by the annual budget and two-year financial plan. Once the capital program is adopted, the expenditures of CTA, Metra, and Pace are subjected to continual review so that the RTA may budget and ensure that funds available to the region are spent with maximum efficiency. The purpose of this document is to fulfill the RTA's statutory requirements and, just as important, to provide insights into the strategic benefits of transit capital investment underway in the region.

For the last several years, the RTA and the Service Boards have been working together to articulate and advance a regional transit capital strategy. *Invest in Transit* emphasizes the importance of transit in Northeastern Illinois and infrastructure investment for the three transit Service Boards. It includes a vision, goals, and priority projects that the RTA and the Service Boards are committed to advancing with additional capital funding. The enactment of Rebuild Illinois in June 2019 provided the RTA system with \$2.6 billion over five years in state bond funding and an estimated \$227 million annually in gas tax revenue, referred to as "PAYGO" dollars. This funding infusion allowed the agencies to advance several *Invest in Transit* priority projects within the 2020-2024 Regional Capital Program adopted by the RTA Board in December 2019, as described in the [Annual Progress Report](#) published in February 2020.

Throughout 2020, the RTA and the Service Boards have worked toward executing that capital program. The Service Boards continued robust construction programs despite many pandemic impacts to their operations and workforce. The RTA and the Service Boards also worked together with the Illinois Department of Transportation (IDOT) to implement the Rebuild Illinois program, which includes bond funds as well as PAYGO, a sustainable annual source of funding. In 2020, about half of the Rebuild Illinois bond funds were granted to the Service Boards, which will allow major projects to begin, including CTA's Forest Park Branch Upgrades and 5000 Series Rail Car Upgrades, Metra's Yard Expansions and Locomotive Purchases, Pace's I-55 Express Bus Garage in Plainfield, and the replacement Bus Garage in Wheeling that will support compressed natural gas (CNG) buses. Furthermore, the Service Boards, IDOT, and RTA have worked to grant the first \$227 million in PAYGO funds, that will include ongoing capital maintenance projects and enhancements that will contribute to maintaining a state of good repair.

To more efficiently move the Rebuild Illinois program forward, RTA worked with IDOT on streamlined guidelines and processes to ensure that projects can be delivered to the region's transportation users in a timely manner. Finally, the RTA and the Service Boards also worked to take steps toward performance-based capital programming by developing the [draft Framework for Capital Investment](#) (the draft Framework) as described in the next section. Looking ahead to the 2021-2025 capital program, the Service Boards are poised to begin expenditures of Rebuild Illinois bond and PAYGO funds and to continue discussions about how to allocate future capital funding in a way that maximizes benefits to riders and the region.



This section of the 2021 Operating Budget, Two-Year Financial Plan, and Five-Year Capital Program provides an outlook for the 2021-2025 Capital Program, while adding some new detail and analysis related to its impact on the regional transit system's strategic direction.

Progress Toward Transparency in Capital Investment

The RTA and the Service Boards have been working to improve the transparency of capital programming and the use of data to understand the impacts of the program on strategic priorities. The RTA Board, in its December 2019 budget ordinance, commissioned a new Performance-Based Capital Allocation Process Committee to develop more rigorous communications and reporting around the regional transit capital program. The ordinance promised that “the RTA will work towards a regional agreement to program PAYGO, other state, federal, and RTA funding in a collaborative and transparent process.” A working committee of staff at the RTA and the Service Boards began working toward a process in January 2020, not knowing what the future would hold. The pandemic presented many challenges to the transit agencies throughout the year, but staff held to the original deadline knowing that a solid investment framework is even more crucial so the RTA and the Service Boards can continue advocating in a unified manner for funds to support the region’s transit system.

Released in July 2020, the draft Framework provided new details on the current transit agency capital programming processes. It also proposed to communicate the goals, processes, and outcomes of the capital program in a more transparent, engaging manner. The draft Framework also proposed to further integrate the goals of regional plans like *Invest in Transit* into the existing capital program development process, so that the linkages between long-range planning and near-term programming are clearer to those who do not typically follow both. Three specific changes were proposed for the current capital programming process:

- Improved clarity in the requirements and goals for the Five-Year Regional Capital Program.
- Enhancements to the data being collected and reported externally by the RTA.
- Additional information products and updates to regularly describe project activities and results.

During the draft Framework public comment period from July 15 through August 28, four comments were received, three of which included requests for new priorities and more robust performance-based programming. As a result, the RTA Board opted to defer adoption of the draft Framework and to program 2025 capital funding to a regional fund until such time as a different process can be developed, vetted, and approved by the RTA Board. This action effectively pauses work on the draft Framework. That said, many of the recommended transparency improvements presented in the draft Framework are important steps toward

change and were already incorporated into the 2021-2025 Regional Capital Program development process and many of these changes are incorporated into this document.

Goals and Requirements for the Five-Year Regional Capital Program

One of the new activities introduced by the draft Framework is improved clarity in the requirements and goals for the Five-Year Regional Capital Program. *Invest in Transit* makes mention of several core requirements that are timeless values that the agencies take seriously. In addition, it describes three strategic goals for the five-year timeframe and a set of specific priority projects that will be advanced with additional funding. The core requirements, goals, and priority projects — which provide three lenses for understanding how the capital program is accomplishing strategic objectives of the agencies — are used to analyze the capital program this year.

Strategic Goals

Invest in Transit's strategic goals capture the RTA's and Service Boards' current, shared priorities. The strategic goals, and what they mean for capital programming, are as follows:

- **Deliver value on our investment.** This goal focuses on fiscal responsibility and maximizing the region's investments in transit. Investment in this category might include replacing vehicles and facilities that are beyond their useful life to bring the regional system into a State of Good Repair.
- **Build on the strengths of our network.** This goal focuses on improvements to the transit system in six high-priority markets: The Chicago Central Business District, Chicago North Side, Chicago South Side and Southland, Suburban Cook County, Suburban Employment Centers, and ADA Paratransit. Investment in this category might include new technology and infrastructure to increase service capacity where it is needed, improved facilities and technologies for more seamless connections between services, or investments to provide transit workers the tools and training necessary to maintain round-the-clock operations.
- **Stay competitive.** This goal focuses on the ability of the transit system to satisfactorily meet customer needs and attract riders to the services. Investment in this category might include facilities and technologies to improve bus speeds and reliability, advancements in Ventra payment and Mobility-as-a-Service initiatives, or technologies that enable improved bus and rail reliability.

By using the lens of *Invest in Transit* strategic goals to describe the regional capital program and the individual Service Board's capital program sections, the RTA and the Service Boards demonstrate how the current portfolio of capital investments will assist in achieving prescient pre-COVID transit strategic priorities of the region.

Core Requirements

The core requirements are central to the activities of the Service Boards. They are noted in *Invest in Transit* and are non-negotiable elements of agency operations that transcend immediate areas of focus. The Service Boards expend capital dollars to meeting these requirements, and thus RTA is committed to addressing them through the regional capital programming process. These core requirements and their implications for the capital program include:

- **Maintain and improve safety and reliability.** This core requirement is focused on infrastructure improvements that improve the safety of passengers and staff, as well as security of the system. Investment in this category might include new and enhanced camera and communication systems, improved lighting at stations and facilities, or technologies for improved incident response. Ensuring that aging assets are maintained and replaced when needed to maintain the continuity of safe and reliable operations throughout the existing regional transit system is of paramount of importance to regional and Service Board capital programming processes.
- **Achieve full accessibility.** The agencies have been working for years to achieve full accessibility of the transit system to all riders, including those with physical disabilities. Investment in this category might include station and facility reconstructions to fully meet accessibility needs, replacement of aged elevators, new and upgraded signage and wayfinding systems, improvements for accessing bus stops and stations, or technology innovations to provide improved access to people with disabilities.
- **Improve equity.** Some types of investments improve access to transit and access to opportunities across the large and diverse RTA region. This might include providing improvements to serve residents of low income and disinvested neighborhoods with reconstructed facilities or enabling new services to increase access to jobs and opportunities.
- **Meet regulatory requirements.** Meeting regulatory requirements that make the Northeastern Illinois transit system safer and more accessible is an ongoing programming need. Investment in this category might include new systems such as Metra's required \$400 million investment in Positive Train Control (PTC), new vehicle standards to meet crash or emission requirements, or technology to support security or reporting requirements.

In describing the capital program through the lens of core requirements presented in the capital program section, as well as the individual Service Board's capital program sections, the RTA and the Service Boards demonstrate how much funding is required to accomplish their responsibilities, where emphasis is currently placed, and where additional funding will be needed to do more.

Priority Projects

The core requirements, strategic goals, and priority projects defined by *Invest in Transit* are shared priorities that shaped the current capital program. These priority projects are a set of core capital initiatives largely focused on bringing the regional transit system nearer to a state of good repair as well as advancing limited expansions in growing markets. This list is updated each year during the capital programming process. Progress toward funding this list was presented in the 2020-2024 capital program as well as the *Invest in Transit Annual Progress Report* completed in February 2020. This list has been refreshed during the 2021-2025 budget development process and will be used to frame not only future needs but also the contribution of specific capital program line items to advancement of those projects.

In describing the capital program through the lens of priority projects presented in the capital program section, as well as the individual Service Board's capital program sections, RTA and the Service Boards provide transparency around how many projects and how much funding is used to advance each of these specific projects.

Summary

The core requirements, strategic goals, and priority projects defined in *Invest in Transit* are shared priorities for the transit agencies that can be applied to understanding the current capital program. There is value in using these lenses to analyze, present, and monitor the capital investments being made, as part of the journey toward more transparency. As the region works toward a process for reinventing transit starting in mid-2021, these priorities may change. Meanwhile, the analysis illuminates the benefits and challenges of capital programming, as described in the next section.

2021-2025 Regional Capital Program and 2021 Regional Capital Program

2021-2025 Capital Funding by Source

The 2021-2025 Regional Capital Program includes \$6.351 billion in funding. After accounting for debt-service payments the region has \$5.503 billion to program and use for capital projects between 2021 and 2025. Table 9 shows the breakdown of funding sources by Service Board in the five-year Capital Program.

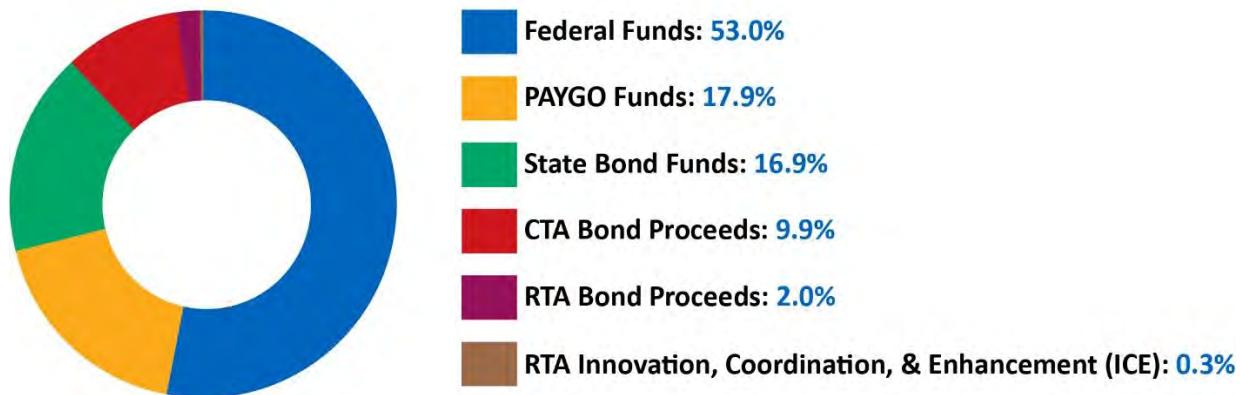
Table 9. 2021-2025 Regional Capital Program Funding (dollars in thousands)

	CTA	Metra	Pace	Pace ADA	RTA	Total	% of Total
Funding Sources							
Federal Funds	1,789,901	804,195	182,374	-	591,450	3,367,920	53.0%
State Bond Funds	413,472	504,799	138,775	15,800	-	1,072,846	16.9%
PAYGO Funds	567,500	295,100	45,400	-	227,000	1,135,000	17.9%
RTA Innovation, Coordination, & Enhancement (ICE)	-	13,223	4,408	-	-	17,631	0.3%
Service Board and Other							
Local Funds	580	-	-	-	-	580	0.0%
Total New Capital Funding	\$2,771,453	\$1,617,318	\$370,956	\$15,800	\$818,450	\$5,593,977	88.1%
RTA Bond Proceeds	-	130,000	-	-	-	130,000	2.0%
CTA Bond Proceeds	626,590	-	-	-	-	626,590	9.9%
Pace Bond Proceeds	-	-	-	-	-	-	0.0%
Sub-Total Bond Funds	\$626,590	\$130,000	-	-	-	\$756,590	11.9%
Total Capital Funding	\$3,398,043	\$1,747,318	\$370,956	\$15,800	\$818,450	\$6,350,566	100.0%
Debt Service	(847,304)	-	-	-	-	(847,304)	
Total Capital Funding Available	\$2,550,738	\$1,747,318	\$370,956	\$15,800	\$818,450	\$5,503,262	

The \$6.351 billion in funding is 23.5% less than the 2020-2024 Capital Program. Unlike 2020, when two major new State funding sources, Rebuild Illinois bond funds and PAYGO, became available, there are no new funding sources available in the 2021-2025 Capital Program. The principal reason for less capital funding between 2020 and 2021 is that 59% (\$1.527 billion) of Rebuild Illinois bond funds were programmed in 2020 leaving \$1.073 billion in funds in the 2021-2025 budget. The remaining Rebuild Illinois bond funds are spread through years 2021-2024 but not into 2025, as Rebuild Illinois is designated as a five-year bond program. The RTA continues to work with the state to develop additional consistency in state capital funding beyond 2024, to provide reliable funds to maintain the region's transit system.

The 2021-2025 Capital Program includes a mix of federal, state, RTA, and local sources. Funding is divided as follows: 53.0% federal funds, 17.9% state PAYGO funds, 16.9% State bond funds, 2.3% RTA funds, and 9.9% local funds comprised of CTA Bonds. Figure 36 shows the funding source split of the entire Capital Program.

Figure 36. 2021-2025 Capital Funding: \$6.351 Billion



The PAYGO funding allocations for 2021-2024 are based on the last Capital Asset Condition report and are allocated 62.5% to CTA, 32.5% to Metra, and 5.0% to Pace. This allocation was defined in the 2020 budget process through the year 2024 with the understanding that allocations could be divided differently in future years. The 2025 PAYGO and federal formula capital funds are programmed into a regional set-aside allocated to RTA until such time as a new process for allocating these funds is established. The funds will be allocated in the future when a more holistic plans for recovery has been developed in collaboration with the Service Boards, discussed with stakeholders, and endorsed by the RTA Board.

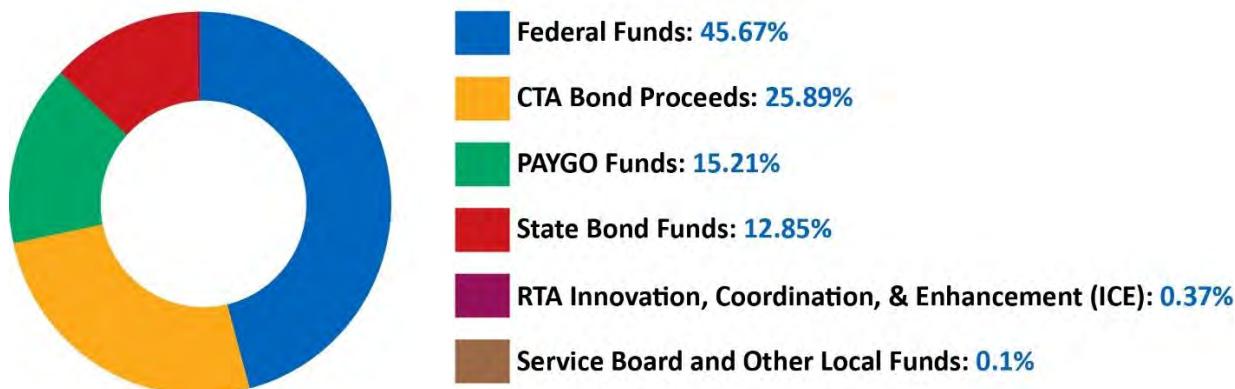
2021 Annual Capital Program Funding

For 2021 the total regional funds are \$1.492 billion. After deducting \$276.3 million of CTA debt service on previously issued bonds, an estimated amount of \$1.216 billion is available for 2021. These funds come from the following sources: 45.7% federal, 25.9% CTA Bonds, 15.2% PAYGO, 12.8% State Bonds, 0.4% RTA ICE, and .01% other local funds. Again, 2021 regional funds are 29.4% lower compared to 2020, as there are less Rebuild Illinois bond funds available for programming. Table 10 and Figure 37 show the split of funds by Service Board and funding source for 2021.

Table 10. 2021 Annual Regional Capital Program Funding (dollars in thousands)

	CTA	Metra	Pace	Pace-ADA	RTA	Total	% of Total
Funding Sources							
Federal Funds	447,118	189,773	44,580	-	-	681,471	45.67%
State Bond Funds	20,000	119,142	48,550	4,000	-	191,692	12.85%
PAYGO Funds	141,875	73,775	11,350	-	-	227,000	15.21%
RTA Innovation, Coordination, & Enhancement (ICE)	-	4,158	1,386	-	-	5,544	0.37%
Service Board and Other Local Funds	160	-	-	-	-	160	0.01%
Total New Capital Funding	\$609,153	\$386,847	\$105,866	\$4,000	-	\$1,105,866	74.11%
RTA Bond Proceeds	-	-	-	-	-	-	0.00%
CTA Bond Proceeds	386,290	-	-	-	-	386,290	25.89%
Pace Bond Proceeds	-	-	-	-	-	-	0.00%
Sub-Total Bond Funds	\$386,290	-	-	-	-	\$386,290	25.89%
Total Capital Funding	\$995,442	\$386,847	\$105,866	\$4,000	-	\$1,492,156	100.00%
Debt Service	(276,306)	-	-	-	-	(276,306)	
Total Capital Funding Available	\$719,137	\$386,847	\$105,866	\$4,000	-	\$1,215,850	

Figure 37. 2021 Capital Funding: \$1.492 Billion



With a more balanced funding mix between federal, state, and local sources, 2021 will continue 2020's momentum for the region to fund important projects to maintain and enhance the critical transportation network in the RTA region.

Capital Funding by Priority Project

The following section presents the 2021-2025 Capital Program through the lens of priority projects identified by the Service Boards, through *Invest in Transit* and subsequent annual updates. All current priority projects are included in the analysis, whether or not they will receive funding in the five-year capital program. In addition, there is an administrative category for activities required to execute the proposed capital projects, as well as a category for projects that do not fall into any of the priority projects, called uncategorized projects. These two categories (administrative and uncategorized) are shown in the summary tables but not

included in the analysis of priority projects or the 10-year need. The 10-year regional capital funding need is \$33.8 billion. Notably, the current 2021-2025 capital program only funds 19% of the total 10-year need.

Overall, 91% of the projects by number identified in the 2021-2025 Capital Program fit in to one of the priority projects identified by the Service Boards. Some of the uncategorized projects include special COVID-19 funding and planning studies. Appendix A includes a table showing all the priority projects, the funding level in the 2021-2025 Capital Program, and the 10-year funding need.

The Services Boards have identified 72 priority projects in total with 53 of the projects receiving funding in the 2021-2025 Capital Program. This leaves several priority projects unfunded in the current program and shows that additional funding is needed to meet the needs of the region's transit system and users. Furthermore, while 53 of the projects are receiving some funding in the 2021-2025 Capital Program, not a single project can be fully funded based on the amount of funds currently available.

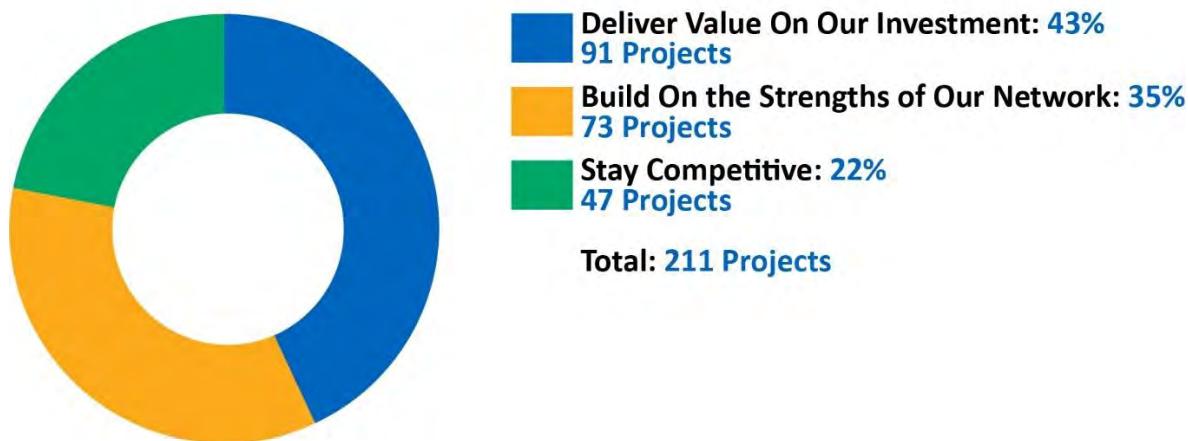
With that in mind, the RTA further analyzed the proposed projects using two different lenses, strategic goals and core requirements, detailed in Goals and Requirements for the Capital Program section above. Appendix B identifies and describes all the projects included in the Capital Program, with details of project funding, strategic goals, and core requirements.

Strategic Goals

As described in the introduction to this section, the three strategic goals of *Invest in Transit* are to deliver value on our investment, build on the strengths of our network, and stay competitive. Each project contained in *Invest in Transit* has been assigned by the Service Boards to one of the three goals to demonstrate how this capital spending will assist in achieving the intended strategic investments of the region.

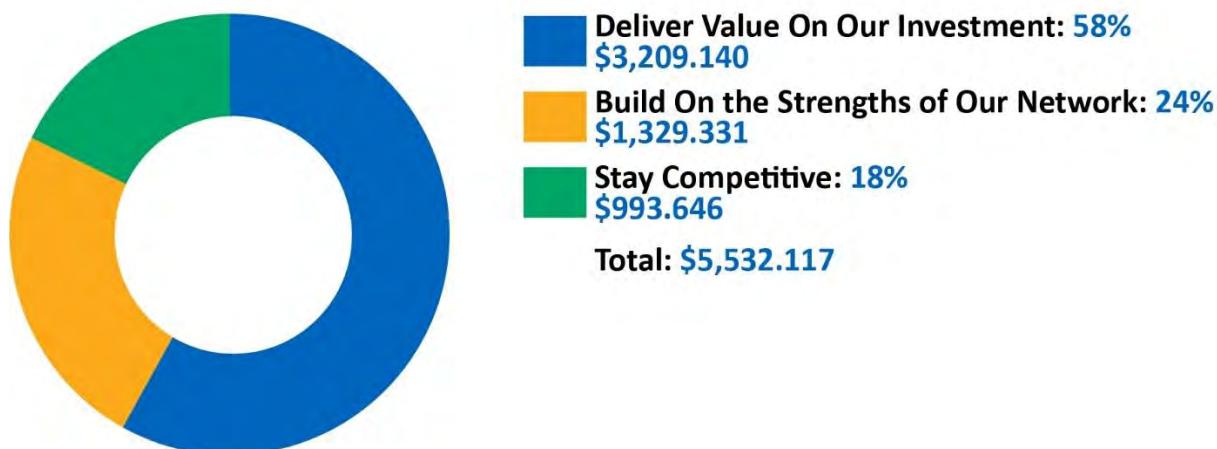
Overall, the largest bucket of projects deliver value on our investment, with over 43% of projects by number assigned to that goal; 35% by number have the goal of build on the strengths of the network and about 22% by number help the system stay competitive, as shown in Figure 38. Since many of the projects are focused on maintaining the system, RTA expected to see that many of the projects would deliver value on investment because maintenance, overhauls and rehab allow assets to last longer and keep the system running reliably. Due to the need for more funding, the Service Boards are not able to advance as many projects that help the system stay competitive as many of these are enhancements are above and beyond keeping the system operating.

Figure 38. Number of Service Board Capital Projects Advancing Each Strategic Goal



Viewing funding by strategic goal reveals starker differences across the three goals: 58% of funding, \$3.2 billion, has been assigned to deliver value on investment. While 24% of funding, \$1.3 billion, goes to building on the strengths of the network, and 18%, nearly \$1.0 billion, goes to staying competitive, shown in Figure 39. Once again, due to funding constraints, the Service Boards primarily choose projects that help to maintain the current system rather than advance expansions and enhancements. With more funding the region would be able to actively improve the system rather than focus on maintaining the current state.

Figure 39. Amount of Service Board Capital Funding Advancing Each Strategic Goal (dollars in millions)



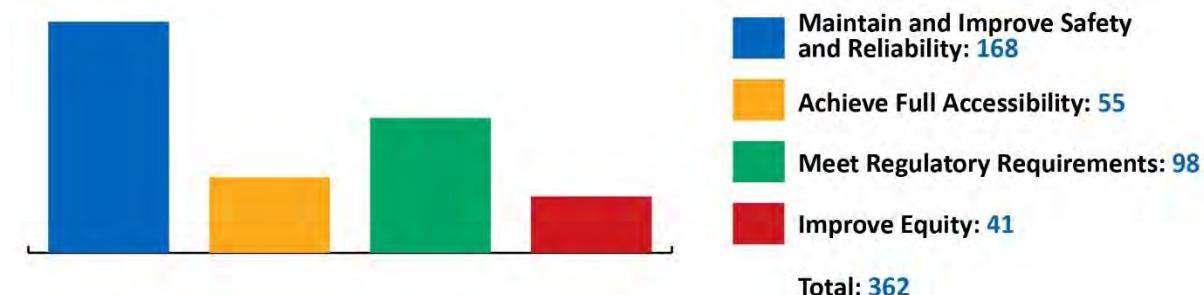
Overall, the distribution of strategic goals by project shows that the Service Boards are actively choosing projects to help maintain the system, while being more selective in choosing projects that offer enhancements due to the lack of available funding.

Core Requirements

The four Core Requirements identified in *Invest in Transit* are maintain and improve safety and reliability, achieve full accessibility, improve equity, and meet regulatory requirements. Each project has been categorized by the Service Boards as satisfying up to two core requirements. Among the projects, 83% address two requirements, and 17% address one requirement.

By far, the requirement most often identified with a proposed project is maintain and improve safety and reliability, with 168 projects fulfilling that requirement. Over 98 projects are expected to help meet regulatory requirements. Just 55 projects aid in meeting full accessibility and 41 projects improve equity as shown in Figure 40.

Figure 40. Number of Service Board Projects Addressing Each Core Requirement

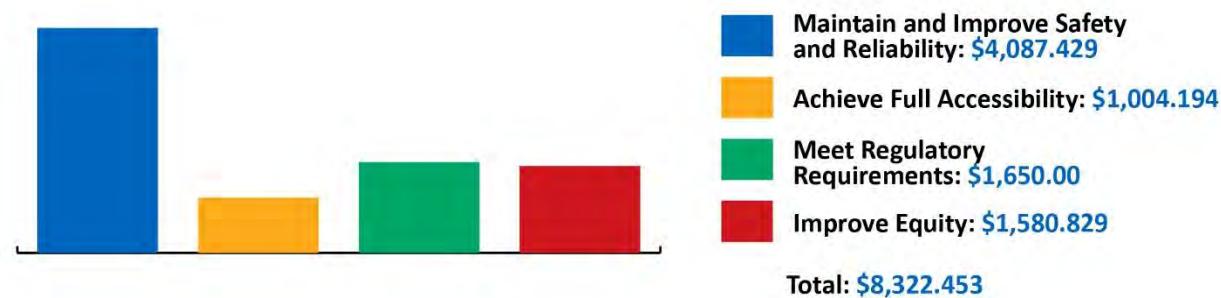


NOTE: Question is asked as multi-response, Service Boards may select up to two core requirements per project.

Due to the lack of sufficient capital funding, investments within the five-year capital program focus heavily on the core requirement to maintain and improve the safety and reliability of the system. As seen in figure 39, the vast majority of funding available over the next five years is intended to be invested in maintaining and improving the safety and reliability of the current system.

When viewing requirements by dollar amount per requirement, the results are even more stark. \$4.1 billion in funds are used on projects with the requirement of maintaining and improving safety and reliability, while between \$1.0 and \$1.7 billion in funds contribute to each of the other three requirements, as shown in Figure 41. This clearly shows that the Service Boards, above all else, have focused on maintaining a safe and reliable system in the present state, compared to providing additional enhancements.

Figure 41. Amount of Service Board Funding Addressing Each Core Requirement (dollars in millions)



NOTE: Question is asked as multi-response, Service Boards may select up to two core requirements per project.

While progress is being made toward accessibility and equity, achieving these goals will depend on fully funding them as primary requirements of the regional transit system.

What becomes clear when analyzing available funding by priority projects, strategic goals and core requirements is that the region needs more funds to move from just maintaining the system to improving the offerings and competing better with new travel options.

Summary and Long-Term Funding Need

Overall, the 2021-2025 Capital Program is primarily focused on addressing the region's State of Good Repair needs and advancing projects identified by *Invest in Transit*.

In addition to the analysis of the capital program provided in previous sections, RTA staff has conducted additional Strategic Asset Management (SAM) analysis of the 2021-2025 funding levels using the same approach outlined in the [Potential Impacts of State Funding on Transit State of Good Repair](#) white paper published in July 2020. The key finding of the white paper was that expected increased funding through bonds and PAYGO tax revenues provided in Rebuild Illinois would improve the region's assets condition, but with the end of the five-year bond term assets would begin to deteriorate once again as a result of insufficient funding.

Figure 42 shows that with the final 2021-2025 budget marks, our region's asset condition, as measured by Percent of Assets Exceeding Useful Life (PAEUL), will not continue to deteriorate as it had been prior to 2020. Conditions stay about the same from 2020 to 2025, as a result of the Rebuild Illinois PAYGO and bond funds anticipated through 2025, with about 34% of assets exceeding useful life both today in 2020 and projected for 2025. However, when the bond funds are depleted in 2025, the overall regional asset condition will begin to deteriorate once again. By 2035, 38% of assets will exceed their useful lives, which is higher than projected last year and can only be improved by additional funding and sustained investment.

Figure 42. Percent Regional Assets Exceeding Useful Life



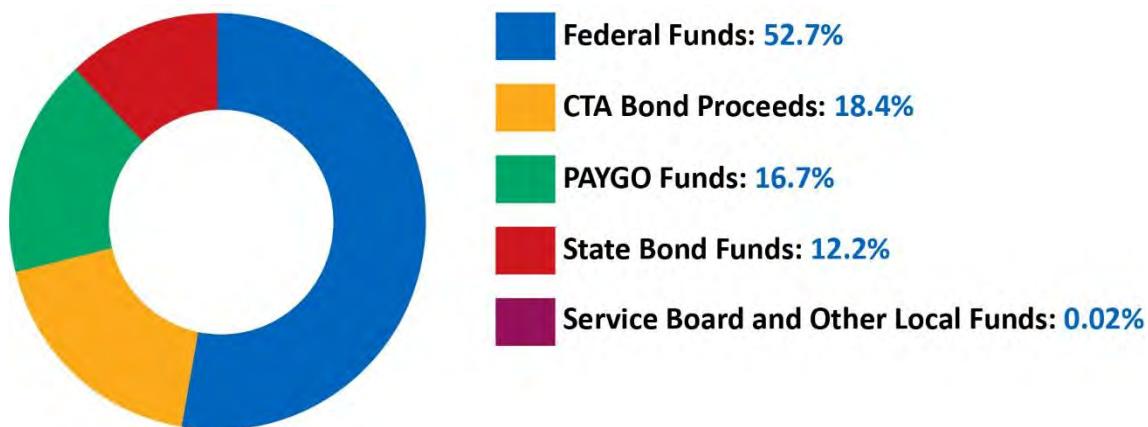
CTA Capital Program

CTA's five-year capital program has \$3.398 billion available for capital expenditures in 2021-2025 despite an estimated 10-year need of \$21.128 billion for priority projects. CTA's capital projects are largely focused on moving the system toward a state of good repair with limited expansion activities focused on bringing more equitable transportation options to the region. Major projects include repairs and replacement of rail cars and buses, modernization and upgrades to the rail system, upgrades to stations and other system wide projects that support CTA's activities. The program uses 54.6% of funds on rail projects, 12.1% of funds on bus projects and the remaining 33.3% of funds on systemwide projects that includes 24.9% of the program dedicated to bond repayment.

Capital Funding by Source

In CTA's \$3.398 billion capital program, funding comes from five sources: federal funds 52.7%, CTA Bond Proceeds 18.4%, PAYGO funds 16.7%, Rebuild Illinois bond funds 12.2%, and other funds 0.02%, shown in Figure 43. The Rebuild Illinois program continues to provide the CTA with a more balanced set of revenue sources funding its capital program, but the agency's reliance on bond financing highlights the need for additional consistent revenue options.

Figure 43. CTA 2021-2025 Program Funding Sources: \$3.398 Billion



Capital Funding by Priority Project

CTA has identified 41 priority projects that help to maintain and improve the system. Priority projects such as Red Purple Modernization, bus and rail car overhauls and the Blue Line Forest Park Branch Modernization are focused on maintaining the current system. A limited selection of projects are designed to enhance and expand the system while improving equity in the region including the Red Line Extension to 130th Street and the Bus Slow Zone Removal/Dedicated Lane projects. These projects build on the system and offer transit to underserved communities, fulfilling an important need for the region.

CTA's 2021-2025 capital program funds activities in 25 of the 41 priority projects as shown in Table 11. This leaves several important regional projects unfunded including Replacement Buses (4000 series), Bus Garage Improvements and a new control center. These projects would improve the safety and reliability of the system, but due to lack of funding have been prioritized lower than the presently funded projects.

Table 11. CTA Priority Projects, 2021-2025

CTA Priority Projects	Total 10-Year Funding Need	Total 5-Year Funding Programmed
Red Purple Modernization	\$ 6,401,000,000.00	\$ 444,847,735.00
Red Line Extension	\$ 2,129,412,335.00	\$ 327,771,335.00
Bond Repayment, Interest Cost & Finance Cost	\$ 1,517,466,560.00	\$ 758,733,282.00
Railcar Purchase	\$ 1,087,276,532.00	\$ 512,146,408.00
Green Line Improvements	\$ 683,042,000.00	\$ 9,908,467.00
Blue Line Forest Park Modernization - Phase 2	\$ 653,077,000.00	\$ -
Subway Life Safety Improvements	\$ 607,309,000.00	\$ -
Blue Line Forest Park Modernization - Phase 3	\$ 598,030,000.00	\$ -
Blue Line Forest Park Modernization - Phase 4	\$ 597,030,000.00	\$ -
Replacement Bus Purchase (1000 Series)	\$ 518,777,964.00	\$ 214,015,178.00
Brown Line Improvements	\$ 436,384,000.00	\$ 7,347,373.00
Systemwide Track Renewal	\$ 422,575,000.00	\$ 34,141,749.00
Red Line Improvements	\$ 396,400,000.00	\$ -
Elevated Track and Structure Systemwide	\$ 380,000,000.00	\$ 152,000,000.00
Perform Bus Maintenance Activities	\$ 360,000,000.00	\$ 144,000,000.00
Blue Line (O'Hare) Traction Power Capacity & Track Improvements	\$ 351,400,000.00	\$ 20,206,695.00
Bus Garage Improvements	\$ 343,000,000.00	\$ -
Systemwide Structural Renewal	\$ 336,200,000.00	\$ -
Rail Car Maintenance Activities	\$ 300,000,000.00	\$ 116,435,082.00
Rail Yard Improvements	\$ 267,224,412.00	\$ 11,850,000.00
Rail Shops Improvements	\$ 265,700,000.00	\$ 4,400,000.00
Tactical Signal Improvements (Systemwide)	\$ 235,900,000.00	\$ -
BRT/Bus Slow Zone Removal/ TSP/Dedicated Lane projects	\$ 233,440,000.00	\$ 16,802,085.00
Replacement Buses (4000 Series)	\$ 233,018,000.00	\$ -
Maintenance Facilities Rehabilitation	\$ 200,000,000.00	\$ 78,000,000.00
Railcar Overhaul (2600s and 5000s)	\$ 191,146,078.00	\$ 62,663,100.00
New Control Center	\$ 183,900,000.00	\$ -
Systemwide Station Program	\$ 172,417,000.00	\$ 42,981,219.90
Tactical Traction Power Improvements (Systemwide)	\$ 166,604,000.00	\$ 122,299,115.00
Information Technology	\$ 152,405,000.00	\$ 34,722,600.00
CTA OFPS - Equipment (Lease) - VENTRA	\$ 150,000,000.00	\$ 60,000,000.00
Blue Line Forest Park Modernization - Phase 1	\$ 134,452,000.00	\$ -
Critical Needs at CTA Facilities	\$ 94,762,000.00	\$ -
Non-Revenue Vehicle Replacement Program	\$ 72,300,000.00	\$ 7,333,095.00
Program Management	\$ 66,064,000.00	\$ 26,425,500.00
Mid-Life Bus Overhaul (7900 series)	\$ 58,094,000.00	\$ -
Life-Extending Bus Overhaul 430 (1000 series)	\$ 53,252,000.00	\$ 53,917,895.00
Radio System Upgrade	\$ 35,000,000.00	\$ -
Program Development	\$ 26,250,000.00	\$ 2,625,000.00
New Training Center	\$ 14,700,000.00	\$ -
Mid-Life Bus Overhaul (4300 series)	\$ 3,081,000.00	\$ -
Uncategorized Projects - CTA	\$ -	\$ 88,721,181.00
Administration - CTA	\$ -	\$ 43,748,459.00
Grand Total	\$ 21,128,089,881.00	\$ 3,398,042,553.90

One CTA priority project, bond repayment, interest and finance cost, must be fully funded, as debt service payments are required, and represent the largest of CTA's funded projects in the 2021-2025 plan.

Data will be further analyzed by looking at core requirements, and strategic goals, Table 12 shows information for each of CTA's projects and Appendix B contains the detailed data for each project.

Table 12. CTA Priority Projects Details

CTA Priority Projects	Estimated 10-Year need for Priority Project	Individual Capital Project Title	Total 5-Year Funding Programmed	Strategic Goals		Core Requirements		
				Deliver Value on Our Investment	Build on Strengths of Our Network	Stay Competitive	Maintain and improve safety and reliability	Achieve Full Accessibility
Red Purple Modernization	\$6,401,000,000	North Main Line - RPM	\$444,847,735		•		•	
Red Line Extension	\$2,129,412,335	Red Line Extension	\$327,771,335		•		•	
Bond Repayment, Interest Cost & Finance Cost	\$1,517,466,560	Bond Repayment, Interest Cost, & Finance Cost	\$758,733,282	•				
Railcar Purchase	\$1,087,276,532	Purchase Rail Cars - 7000' Series (Base Order 400)	\$217,715,300	•		•		•
		Rail Cars - 7000 Sers Option One 156	\$294,431,108	•		•		•
Green Line Improvements	\$683,042,000	Green Line South - Track Improvements (GTT)	\$9,908,467	•		•		•
Blue Line Forest Park Modernization - Phase 2	\$653,077,000	(No Projects Programmed)	\$0					

Subway Life Safety Improvements	\$607,309,000	(No Projects Programmed)	\$0						
Blue Line Forest Park Modernization - Phase 3	\$598,030,000	(No Projects Programmed)	\$0						
Blue Line Forest Park Modernization - Phase 4	\$597,030,000	(No Projects Programmed)	\$0						
Replacement Bus Purchase (1000 Series)	\$518,777,964	Purchase up to 70 Electric Buses and up to nine Chargers	\$38,603,470	•		•		•	
		Replace Buses Options up to 500 of 1,030 -New Flyers	\$175,411,708	•		•		•	
Brown Line Improvements	\$436,384,000	Brown Line - Track Improvements (GTT)	\$7,347,373	•		•		•	
Systemwide Track Renewal	\$422,575,000	Green & Pink Line West - Track Improvements (GTT)	\$11,342,834	•		•		•	
		Red & Blue Line Subway - Track Improvements (GTT)	\$17,439,211	•		•		•	
		Subway Waterproofing & Track	\$5,359,704	•		•			
Red Line Improvements	\$396,400,000	(No Projects Programmed)	\$0						
Elevated Track and Structure Systemwide	\$380,000,000	Elevated Track and Structure Systemwide	\$152,000,000	•		•		•	
Perform Bus Maintenance Activities	\$360,000,000	Perform Bus Maintenance Activities	\$144,000,000	•		•			
Blue Line (O'Hare) Traction Power Capacity & Track Improvements	\$351,400,000	Blue Line O'Hare Branch Traction Power Improvements GTT	\$20,206,695	•		•			
Bus Garage Improvements	\$343,000,000	(No Projects Programmed)	\$0						
Systemwide Structural Renewal	\$336,200,000	(No Projects Programmed)	\$0						

Rail Car Maintenance Activities	\$300,000,000	Rail Car Maintenance Activities	\$116,435,082	•			•		
Rail Yard Improvements	\$267,224,412	Rail Facilities - Rail Yards	\$11,850,000	•			•		
Rail Shops Improvements	\$265,700,000	Skokie Clean Room - Bench Test Equipment	\$4,400,000	•			•		
Tactical Signal Improvements (Systemwide)	\$235,900,000	(No Projects Programmed)	\$0						
BRT/Bus Slow Zone Removal/ TSP/Dedicated Lane projects	\$233,440,000	Bus Priority Zones	\$125,000	•			•		•
		Bus Slow Zones Elimination Program	\$16,677,085	•			•		•
Replacement Buses (4000 Series)	\$233,018,000	(No Projects Programmed)	\$0						
Maintenance Facilities Rehabilitation	\$200,000,000	Maintenance Facilities Rehabilitation	\$78,000,000	•			•		
Railcar Overhaul (2600s and 5000s)	\$191,146,078	Perform Rail Car Overhaul - 5000 Series Qtr Overhaul	\$62,663,100	•			•		•
New Control Center	\$183,900,000	(No Projects Programmed)	\$0						
Systemwide Station Program	\$172,417,000	Rehabilitate Rail Stations - ASAP (AUSTIN)	\$8,894,700	•			•	•	
		Rehabilitate Rail Stations Systemwide	\$5,925,000	•			•	•	
		Station Security Enhancements Systemwide (Safe and Secure)	\$13,930,000	•			•	•	
		Systemwide Security Cameras Improvements (Safe & Secure)	\$14,231,520	•			•		
Tactical Traction Power Improvements (Systemwide)	\$166,604,000	Tactical Traction Improvements - Barry, Damen and Canal	\$113,681,000	•			•		
		Tactical Traction Power (Equipment/Cable/Enclosures)	\$8,618,115	•			•		

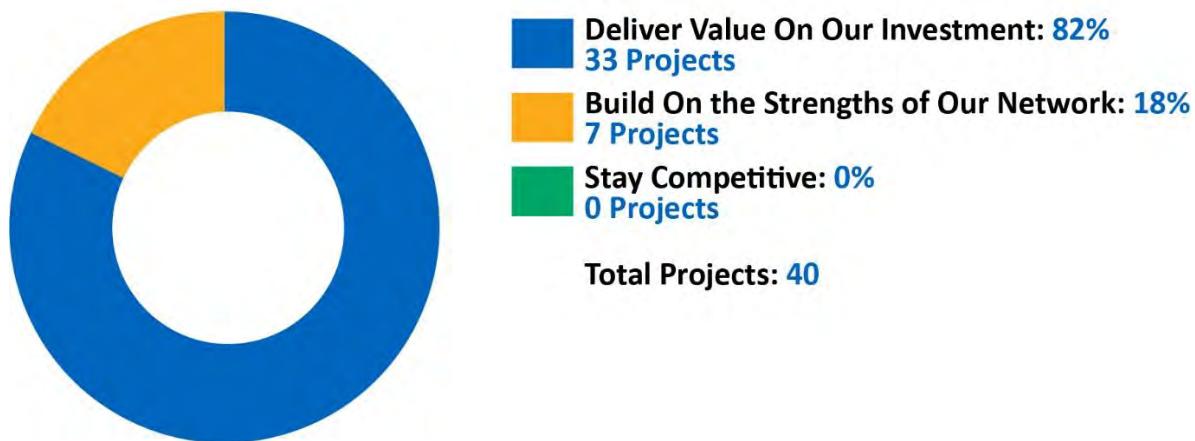
Information Technology	\$152,405,000	Implement Security Projects (HLS Program)	\$29,622,600	•				•		
		Upgrade Office Computer Systems	\$3,900,000	•				•		
		Upgrade\Support Computer Systems	\$1,200,000	•				•		
CTA OFPS - Equipment (Lease) - VENTRA	\$150,000,000	CTA Open Fare Payment System - Equipment (Lease) - VENTRA	\$60,000,000		•		•	•		
Blue Line Forest Park Modernization - Phase 1	\$134,452,000	(No Projects Programmed)	\$0							
Critical Needs at CTA Facilities	\$94,762,000	(No Projects Programmed)	\$0							
Non-Revenue Vehicle Replacement Program	\$72,300,000	Equipment and Non-Revenue Vehicles (Diesel Locomotives)	\$7,333,095		•		•	•		
Program Management	\$66,064,000	Program Management	\$26,425,500	•			•		•	
Mid-Life Bus Overhaul (7900 series)	\$58,094,000	(No Projects Programmed)	\$0							
Life-Extending Bus Overhaul 430 (1000 series)	\$53,252,000	Perform Bus Overhaul - Life Extending Overhaul - Up to 430 Standard (1000 Series)	\$53,917,895	•			•			
Radio System Upgrade	\$35,000,000	(No Projects Programmed)	\$0							
Program Development	\$26,250,000	Program Development	\$2,625,000	•			•		•	
New Training Center	\$14,700,000	(No Projects Programmed)	\$0							
Mid-Life Bus Overhaul (4300 series)	\$3,081,000	(No Projects Programmed)	\$0							
Uncategorized Projects - CTA	\$0	GTT Repayment	\$88,571,181	•						
		Transit System Network Design Study	\$150,000		•			•		•
Administration - CTA	\$0	Office Building - Principal & Interest	\$24,751,944	•			•			
		Support Service for 5307, 5337,	\$18,996,515	•			•		•	

		5339, Fast Tracks Program, CTA Bond, CMAQ and Homeland Security								
Grand Total	\$21,128,089,881			\$3,398,042,554						

Strategic Goals

Each CTA project is categorized according the *Invest in Transit* strategic goals, with the result that 82.5% of projects deliver value on investment, 17.5% of projects build on the strengths of the network and none of the projects focus on staying competitive, as shown in Figure 44.

Figure 44. Number of CTA Projects Advancing Each Strategic Goal



Based on dollars per goal, 75% (\$2.541 billion) of funding goes toward delivering value on investment while 25% (\$856.9 million) of funding goes toward building on the strengths of the network, as shown in Figure 45.

Figure 45. Amount of CTA Funding Advancing Each Strategic Goal (dollars in millions)

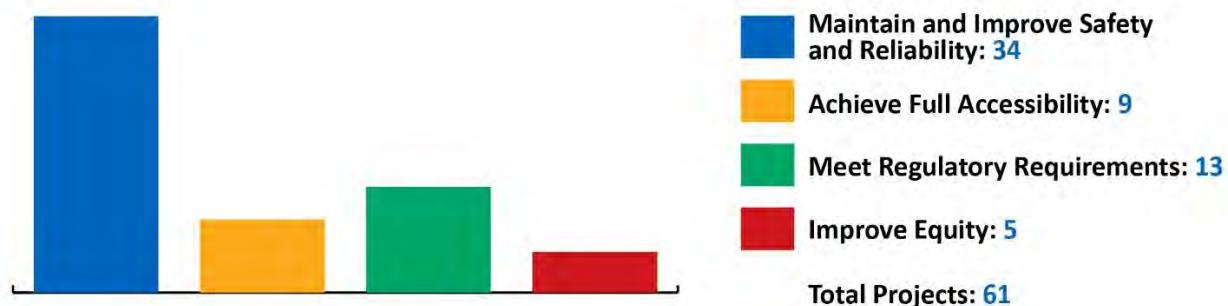


While many CTA operational activities are geared toward staying competitive, CTA did not select any projects to emphasize that goal, focusing instead on projects that deliver value on investment and build on the strengths of the network. The analysis finds that, as no funding was directed toward improving competitiveness, funding was primarily used to maintain the current system. This demonstrates the great need for more funding of projects such as bus speed improvements, faster service via signaling improvements, and other capital improvements that can make CTA more competitive.

Core Requirements

CTA selected either one or two of the core requirements for each of the projects in the 2021-2025 capital program. Twenty-one of the projects identified two core requirements and 19 identified one. The most common requirement to be achieved was maintain and improve safety and reliability, with 34 of projects addressing this core requirement. Between five and 13 of the projects met the other three requirements as shown in Figure 46.

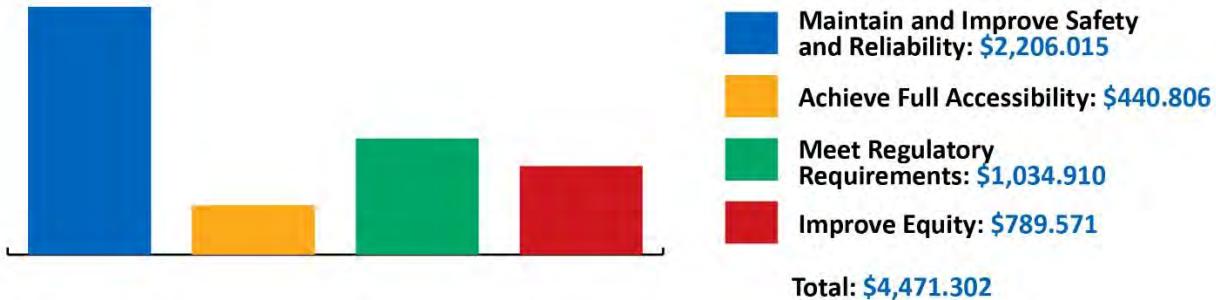
Figure 46. Number of CTA Projects Addressing Each Core Requirement



NOTE: Question is asked as multi-response, Service Boards may select up to two core requirements per project.

When looking at core requirements by amount of funding, maintain and improve safety and reliability was also the clear leader, with \$2.206 billion of funds helping to address this requirement. The other requirements had between \$440.8 million and \$1.034 billion of the funds available to address the core requirement, as shown in Figure 47.

Figure 47. Amount of CTA Funding CTA Addressing Each Core Requirement (millions)



NOTE: Question is asked as multi-response, Service Boards may select up to two core requirements per project.

Based on these measures, CTA is firmly focused on maintaining the current system. There are very limited funds available for other projects that would provide enhancements. CTA and RTA continue to advocate for funds that will help address important goals such as CTA's All Stations Accessibility Plan and the Red Line Extension to 130th Street. These projects build on the system and offer transit to underserved communities, fulfilling an important need for the region. Furthermore, continuing to advocate for federal and state funding can allow CTA to reduce its reliance on funding projects with CTA issued debt, which requires large repayments funded from other sources.

Metra Capital Program

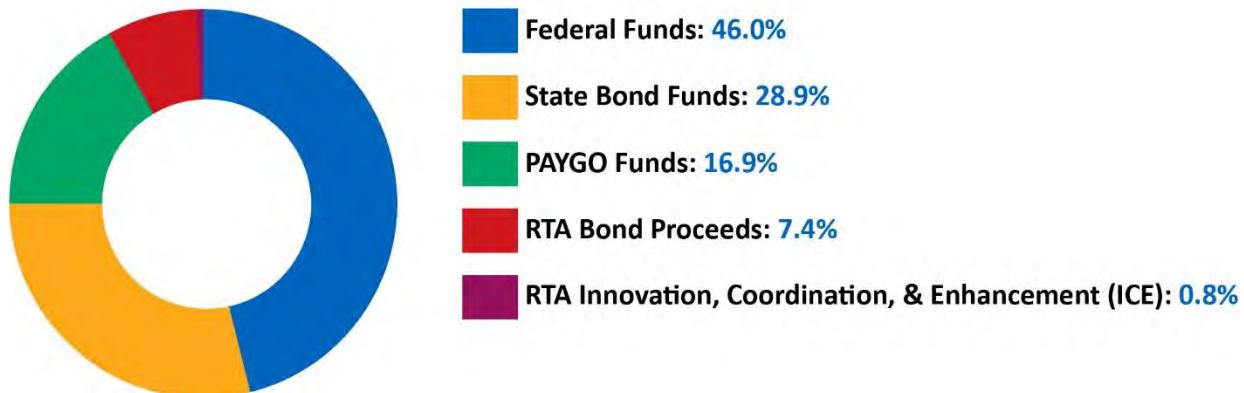
Metra has \$1.747 billion of funding available in its 2021-2025 capital program despite an estimated 10-year need of \$11.5 billion for priority projects. With many older rail cars and locomotives, Metra continues to concentrate its capital budget on improving rail cars and locomotives. Furthermore, there are significant station projects around the system as well as projects to maintain track, yards, and signals.

Capital Funding by Source

Metra's 2021-2025 capital program is funded with the following sources: federal funds 46.0%, Rebuild Illinois bond funds 28.9%, PAYGO funds 16.9%, RTA Bonds 7.4% and RTA Innovation, Coordination and Enhancement Funds 0.8%, as shown in Figure 48. With an even split between federal and state funds, as well as an injection of local RTA dollars, Metra's funding split is well balanced for 2021-2025. But as the Rebuild Illinois bond funds are expended by 2024, it will be

important to identify new state funding sources to continue to make progress on important projects to maintain Metra's system.

Figure 48. Metra 2021-2025 Program Funding Sources: \$1.747 Billion



Capital Funding by Priority Project

Metra has identified ten priority projects. Most of Metra's capital priorities involve maintaining the current system through projects such as fleet modernization, track improvements and rail station improvements. The only unfunded project is the A2 interlocker, where the Union Pacific Lines cross the Milwaukee District Lines as they approach Downtown Chicago, though many projects only have a small percentage of the overall need funded. These unfunded or underfunded projects are significant to maintaining or improving the system but require new funding to complete the projects. Metra's 2021-2025 capital program funds activities in nine of ten priority projects as shown in Table 13.

Table 13. Metra 2021-2025 Priority Projects

Metra Priority Projects	Total 10-Year Funding Need	Total 5-Year Funding Programmed	
Fleet Modernization Plan	\$ 2,100,000,000	\$ 805,291,102	
Bridge Replacement and Repair	\$ 2,000,000,000	\$ 87,150,000	
Track Improvements	\$ 1,900,000,000	\$ 69,956,000	
75th Street Corridor	\$ 1,500,000,000	\$ 6,500,000	
Signal & Electrical Improvements	\$ 1,200,000,000	\$ 268,428,000	
Rail Station Improvements	\$ 853,000,000	\$ 254,450,500	
A-2 Interlocking Replacement	\$ 750,000,000	\$ -	
Yards, Facilities, and Equipment Improvements	\$ 664,000,000	\$ 121,475,000	
Chicago Union Station Improvements	\$ 500,000,000	\$ 2,000,000	
Uncategorized Projects - Metra	\$ -	\$ 51,038,189	
Administration - Metra	\$ -	\$ 65,428,943	
PTC - systemwide	\$ -	\$ 15,600,000	
Grand Total	\$ 11,467,000,000	\$ 1,747,317,734	

Data will be further analyzed by looking at core requirements, and strategic goals, Table 14 shows information for each of Metra's projects and Appendix B contains the detailed data for each project.

Table 14. Metra Priority Projects Details

Metra Priority Projects	Total 10-Year Funding Need	Individual Project Title	Total 5-Year Funding Programmed	Strategic Goals			Core Requirements			
				Deliver Value on Our Investment	Build on Strengths of Our Network	Stay Competitive	Maintain and improve safety and reliability	Achieve Full Accessibility	Meet Regulatory Requirement	Improve Equity
Fleet Modernization Plan	\$2,100,000,000	Automatic Passenger Counters	\$4,000,000			•	•			•
		Car and Locomotive Cameras	\$7,500,000		•		•		•	
		Car and Locomotive Improvements	\$7,500,000		•		•		•	
		Car Rehab (Nippon Sharyo Highliners)	\$34,360,822	•			•	•		
		Car Rehab (Nippon Sharyo Phases 5-7)	\$90,695,000	•			•	•		
		DC to AC Conversion	\$62,000,000			•	•			
		F59 Locomotive Engine Upgrade	\$58,800,000	•			•		•	
		GPS/Train Tracking	\$5,158,000			•	•		•	
		Locomotive Rehabilitation 100-149,215,216	\$6,585,000	•			•		•	
		New Gallery Cars Purchase	\$509,742,280			•	•			•
		Traction Motors	\$6,900,000	•			•		•	
		Video Equipment	\$1,250,000		•		•		•	

		Wheel Replacement	\$10,800,000		•		•		•		•	
Bridge Replacement and Repair	\$2,000,000,000	275-Old 96th Avenue	\$8,000,000			•						•
		Bridge A110/56, MWD	\$23,150,000	•			•			•		
		Bridge A318, MWD	\$2,500,000			•					•	
		Bridge A418	\$6,100,000			•					•	
		Bridge and Retaining Walls, BNS	\$6,000,000	•				•		•		
		Bridge and Retaining Walls, UPR	\$3,500,000	•				•		•		
		Bridges, MED	\$1,700,000	•				•		•		
		Bridges, MWD	\$2,100,000	•				•		•		
		Grand Avenue	\$16,000,000		•			•		•		
		Stoney Creek	\$7,500,000		•			•		•		
		Z14C - Keystone Avenue	\$10,600,000		•			•		•		
		Catenary Structure Rehab	\$2,250,000	•				•		•		
Track Improvements	\$1,900,000,000	Rail Replacement, BNS	\$4,000,000	•				•		•		
		Rail Replacement, MED	\$2,500,000	•				•		•		
		Rail Replacement, MWD	\$5,400,000	•				•		•		
		Rail Replacement, RID	\$6,500,000	•				•		•		
		Rail Replacement, UPR	\$1,500,000	•				•		•		
		Rail Welding	\$1,000,000	•				•		•		
		Ties and Ballast	\$4,970,000		•			•		•		
		Ties and Ballast	\$5,200,000		•			•		•		
		Ties and Ballast, BNS	\$10,700,000		•			•		•		
		Ties and Ballast, MED	\$7,806,000		•			•		•		
		Ties and Ballast, RID	\$6,880,000		•			•		•		
		Undercutting and Surfacing, MDW	\$3,000,000	•				•		•		

		Undercutting and Surfacing, MED	\$3,250,000	•				•		•	
		Undercutting and Surfacing, RID	\$3,250,000	•				•		•	
		Undercutting and Surfacing, UPR	\$1,750,000	•				•		•	
75th Street Corridor	\$1,500,000,000	CREATE – P2, SWS	\$6,500,000		•	•				•	
Signal & Electrical Improvements	\$1,200,000,000	16th Street Interlockers	\$9,900,000		•	•		•		•	
		A-20 Interlocking	\$12,000,000		•	•		•		•	
		Bi-Directional Signaling - 11th-47th Street	\$30,000,000			•		•			•
		Bi-Directional Signaling - 47th-65th Street	\$30,000,000			•		•			•
		CCF Generation	\$800,000		•			•		•	
		Communications Improvements	\$4,000,000		•			•		•	
		Constant Tension Catenary Study	\$750,000	•				•			
		Crossings (Road and Track), MED	\$2,250,000	•				•		•	
		Crossings (Road and Track), MWD	\$3,500,000	•				•		•	
		Crossings (Road and Track), MWD	\$6,000,000	•				•		•	
		Crossings (Road and Track), RID	\$4,000,000	•				•		•	
		Crossings (Road and Track), UPR	\$3,000,000	•				•		•	
		Fiber Optic	\$8,000,000	•				•		•	
		Fiber Optic	\$29,500,000	•				•		•	
		Impedance Bonds	\$700,000		•			•		•	
		Lake Forest Crossovers	\$3,000,000		•			•		•	
		Lake Street Interlocker	\$17,000,000		•			•		•	
		MED Improvement Project	\$4,000,000		•			•		•	

	Milwaukee Signals	\$10,100,000	•		•		•		•	
	Morgan Interlocking	\$3,000,000	•		•		•		•	
	MWD Line Signals, MWD	\$15,650,000	•		•		•		•	
	PE 5362 Western Interlocking	\$6,000,000	•		•		•		•	
	Signal Standards	\$550,000	•		•		•		•	
	Signal System Improvements, MED	\$4,500,000	•		•		•		•	
	Signal System Improvements, MWD	\$4,000,000	•		•		•		•	
	Signal System Improvements, RID	\$4,500,000	•		•		•		•	
	Smart Gates	\$27,000,000		•	•		•		•	
	Substation Improvements (Jackson)	\$19,200,000		•	•		•		•	
	Switch Layout Standards	\$5,528,000	•		•		•		•	
Rail Station Improvements	103rd St. Rosemoor Station	\$5,500,000		•		•		•		•
	59th/60th St. (U. of Chicago) Station	\$18,000,000		•		•		•		•
	79th St. (Chatham) Station	\$5,000,000		•		•		•		•
	Bicycle Parking	\$306,000		•						•
	Congress Park Station	\$6,000,000		•		•		•		•
	Downtown Public Address System	\$3,000,000	•		•		•		•	
	Elevator Replacement	\$7,150,000	•				•	•		
	Elmhurst Station	\$2,000,000		•		•		•		•
	Evanston Davis Street	\$20,000,000		•		•		•		•
	Glen Ellyn Station	\$4,000,000		•		•		•		•
	Hickory Creek Station	\$500,000		•		•				•
	\$853,000,000									

		Highlands Station	\$500,000			•		•			•
		Hubbard Woods Station	\$8,000,000			•		•			•
		Kenilworth Station	\$7,000,000			•		•			•
		Millennium Station Boilers	\$2,180,000		•		•				
		Ogilvie Tile Replacement	\$1,000,000		•		•				
		Olympia Fields Station	\$7,500,000			•		•			•
		Parking Lot Improvements	\$4,000,000		•		•	•			
		Platform Improvements	\$22,700,000		•		•	•			
		River Forest Station	\$3,000,000			•		•			•
		Rogers Park Station	\$10,000,000			•		•			•
		Round Lake Station	\$2,200,000			•		•			•
		Shelters	\$12,000,000		•		•				•
		South Water St. Station	\$2,000,000			•		•			•
		Systemwide Station Improvements	\$19,000,000		•		•	•			
		Systemwide Station Signs	\$6,400,000		•			•	•		
		Ticket Vending Machines	\$12,650,000			•		•			•
		TROI-NET	\$16,138,200			•		•	•		
		University Park Ped Ramp Canopy	\$300,000			•		•			•
		Van Buren St. Station	\$38,126,300			•	•	•			
		West Chicago Station	\$4,000,000			•		•			•
		Western Avenue Station	\$2,300,000			•		•			•
		Westmont	\$2,000,000			•	•				
A-2 Interlocking Replacement	\$750,000,000	(No Projects Programmed)	\$ -								
Yards, Facilities, and Equipment Improvements	\$664,000,000	47th Street Yard Heating	\$6,000,000			•	•			•	
		Building Improvements	\$20,000,000	•			•		•		

		Central Warehousing	\$4,000,000	•						•	
		Crew Facilities	\$2,000,000	•					•	•	
		Equipment and Vehic Mech	\$14,000,000		•			•			
		Facilities – Electrical, BNS	\$3,600,000		•			•		•	
		Facilities – Electrical, MED	\$1,920,000		•			•		•	
		Facilities – Electrical, MWD	\$3,800,000		•			•		•	
		Facilities – Electrical, RID	\$2,570,000		•			•		•	
		Hill/Eola/14th St. Yard Expansion	\$4,000,000			•					•
		M19A Wastewater Treatment	\$2,945,000		•			•		•	
		Right of Way Equipment	\$31,250,000		•			•			
		Western Ave Yard Oil Separation	\$890,000		•			•		•	
		Yard Improvements, BNS	\$10,500,000		•			•		•	
		Yard Improvements, MED	\$3,600,000		•			•		•	
		Yard Improvements, MWD	\$4,000,000		•			•		•	
		Yard Improvements, RID	\$2,000,000		•			•		•	
		Yard Improvements, UPR	\$4,400,000		•			•		•	
Chicago Union Station Improvements	\$500,000,000	CUS Interlockers	\$2,000,000		•			•		•	
Uncategorized Projects - Metra	\$ -	COVID-19 Modifications	\$26,800,000			•		•		•	
		Infrastructure Engineering, BNS	\$700,000	•				•	•		
		Infrastructure Engineering, MED	\$1,800,000	•				•	•		

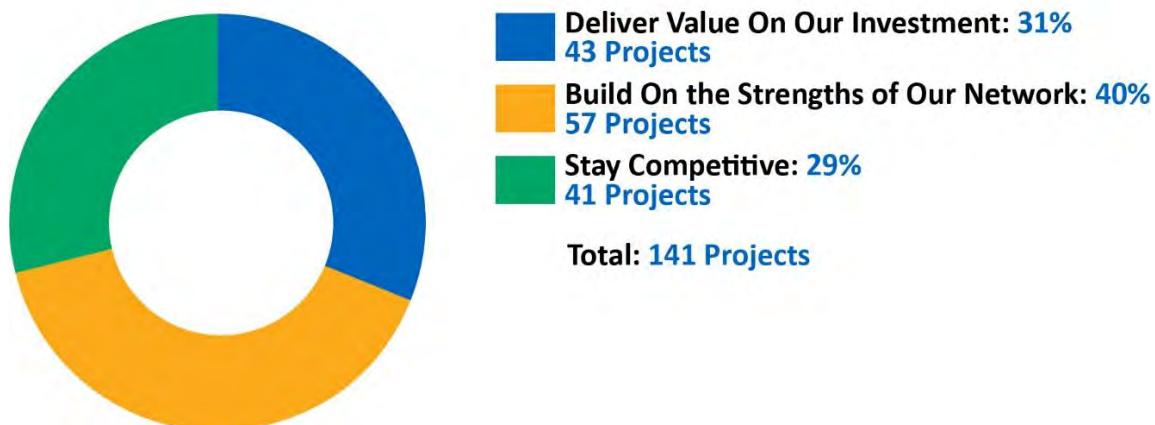
		Infrastructure Engineering, MET	\$1,550,000	•				•	•		
		Infrastructure Engineering, MWD	\$1,800,000	•				•	•		
		Infrastructure Engineering, RID	\$1,800,000	•				•		•	
		INFRASTRUCTURE ENGINEERING, UPR	\$1,600,000	•				•	•		
		IT Components and Services	\$4,523,000	•				•			
		Systemwide Cameras	\$1,400,000		•			•			
		ICE to be Determined	\$9,065,189			•					
Administration - Metra	\$ -	Contingencies	\$7,278,943	•				•			
		Financial System Replacement	\$1,000,000			•		•			
		Office Equipment	\$1,100,000	•				•			
		Program Management	\$40,000,000	•				•	•		
		Project Administration	\$3,750,000		•						
		Project Development	\$2,000,000		•			•	•		
		Transit Asset Management	\$10,300,000	•				•		•	
PTC - systemwide		PTC Renewal (Engineering)	\$10,000,000		•			•		•	
		PTC Renewal (Mechanical)	\$5,600,000		•			•		•	
Grand Total	\$11,467,000,000		\$1,747,317,734								

Strategic Goals

Metra selected project strategic goals from *Invest in Transit* for each of the projects presented in the capital program. Metra's projects were relatively spread out between the goals, with between 29% and 40% of the projects assigned to each of the goals, as shown in Figure 49.

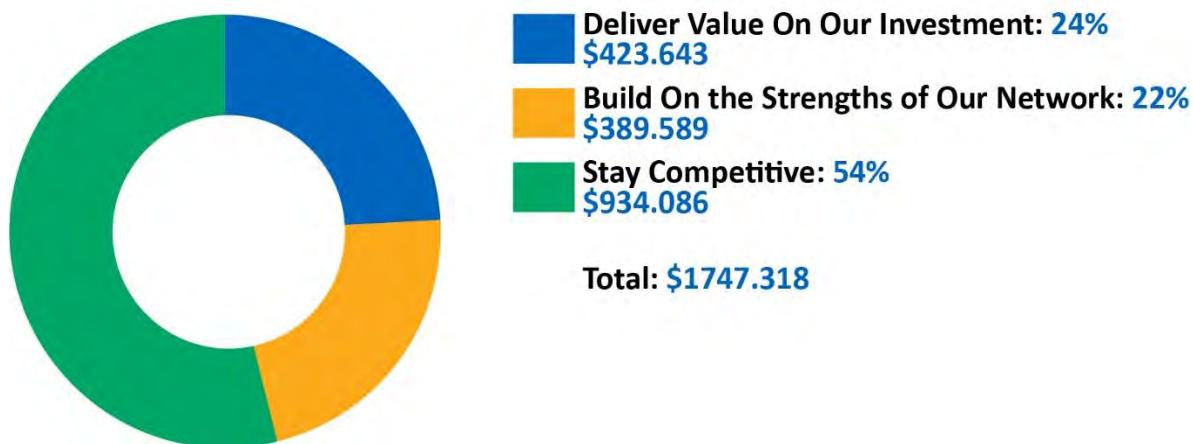
Projects such as rehab rail cars and locomotives were marked as deliver value on investment as they will enable older assets to continue serving the region. The purchase of new rail cars and locomotives as well as projects like CREATE P-2, which aims to untangle South Side rail lines, contribute to the strategic goal of stay competitive as these projects offer amenities and service improvements to customers. Projects like yard and station improvements fulfill the goal of build on the strengths of the network.

Figure 49. Number of Metra Projects Advancing Each Strategic Goal



When looking at funding by goal, the largest portion of funding goes toward projects to stay competitive, with 54% (\$934.1 million) of funds addressing this goal. Deliver value on our investment was selected for 24% (\$423.6 million) of funds and build on the strengths of the network accounted for 22% (\$389.6 million) of funds, as shown in Figure 50. A large portion of Metra's capital program is focused on replacing the older fleet that is currently operating in the system, and these projects will help Metra stay competitive versus other forms of transportation.

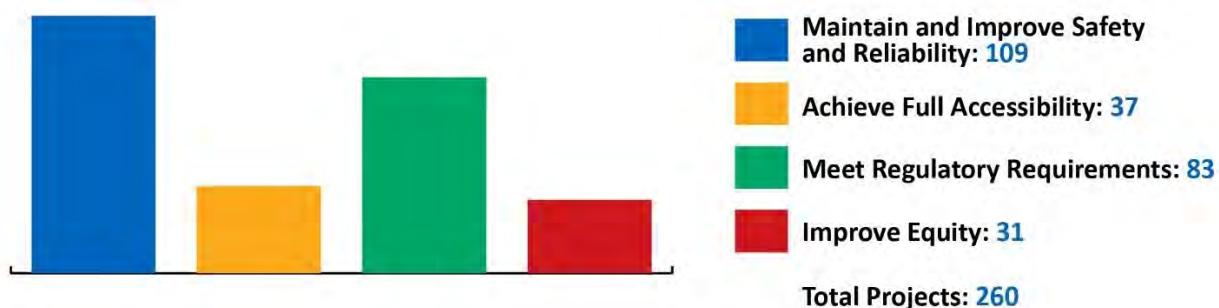
Figure 50. Amount of Metra Funding Advancing Each Strategic Goal (dollars in millions)



Core Requirements

Metra selected either one or two of the core requirements for each of the projects in the 2021-2025 capital program. Metra identified 119 projects as addressing two core requirements, and 22 were identified as addressing one core requirement. The most common core requirement is maintain and improve safety and reliability, which was a requirement of 109 projects. Another important core requirement for Metra was meeting regulatory requirements, which was identified in 83 projects. The requirements of achieve full accessibility were selected for 37 projects and improve equity was a requirement of 31 projects, seen in Figure 51.

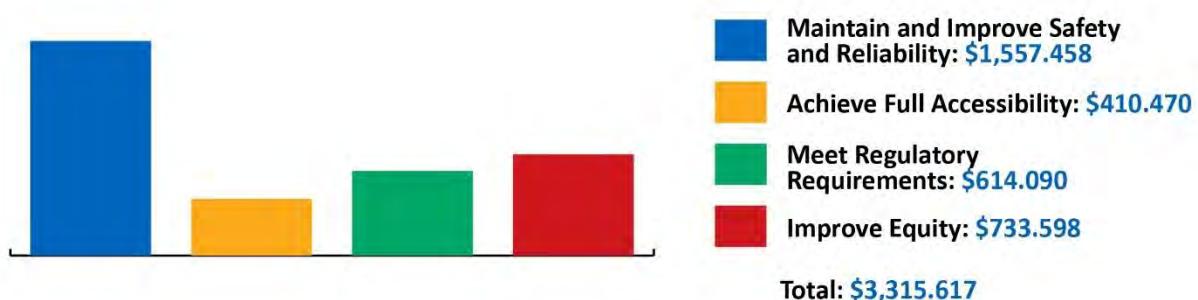
Figure 51. Number of Metra Projects Addressing Each Core Requirement



NOTE: Question is asked as multi-response, Service Boards may select up to two core requirements per project.

From a funding perspective by core requirement, \$1.557 billion of the funding is going toward projects that meet the requirement of maintaining and improving safety and reliability. The other three requirements have between \$410 million and \$733 million of the funds toward those requirements as shown in Figure 52.

Figure 52. Amount of Metra Funding Addressing Each Core Requirement (dollars in millions)



NOTE: Question is asked as multi-response, Service Boards may select up to two core requirements per project.

An interesting finding is that while 59% by number of projects help to meet regulatory requirements, the value of those projects represents just 35% of Metra's capital program meaning that many smaller projects that Metra is undertaking address regulatory requirements in this five-year program.

Overall, like the other Service Boards, Metra's goals are primarily focused on maintaining the system and meeting regulatory requirements. Lesser funds are available for improving accessibility and equity. With more funds, Metra would better be able to address these issues as well.

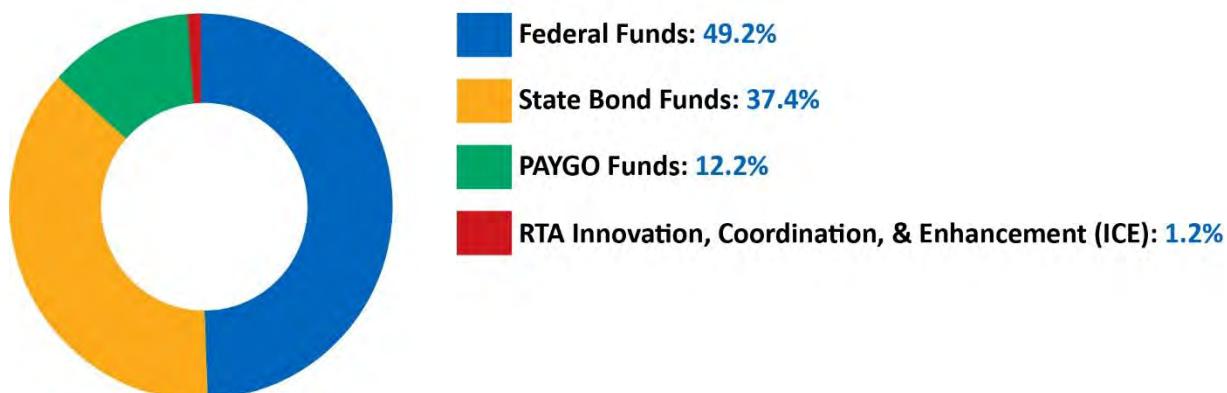
Pace Suburban Service Capital Program

Pace's 2021-2025 capital program contains \$371.0 million of available funding despite an estimated \$1.033 billion 10-year funding need for priority projects. The 2021-2025 capital program continues to focus on maintaining Pace's fleet of vehicles, improving, and maintaining passenger infrastructure and providing for limited expansion of services.

Capital Funding by Source

Pace's 2021-2025 Capital Plan is supported by four principal funding sources: federal funds 49.2%; Rebuild Illinois Bond funds 37.4%; PAYGO funds 12.2%; and Innovation, Coordination, & Enhancement funds 1.2%, as shown in Figure 53. As with the other Service Boards, Pace funding has a robust mix of federal and state sources, though local contributions are limited. Pace and RTA will continue to advocate for additional state funding after the Rebuild Illinois program is drawn down, as Pace's funding mix will begin to move back to being primarily federally supported without additional state support.

Figure 53. Pace 2021-2025 Program Funding Sources: \$371.0 Million



Capital Funding by Priority Projects

Pace has identified 20 key priority projects as part of their 10-year funding needs, as shown in Table 15. Of those 20 projects, Pace has been able to dedicate some funding to 18 of the 20 projects during the five-year capital plan and some of the projects are at least 50% funded during the five-year capital program. This implies that if funding continued at the same rate the projects could be fully funded over the 10-year time horizon. The majority of projects seeing the largest amount of funding are focused on maintaining and replacing Pace's fleet of vehicles that services the community. In addition, Pace is funding several projects that benefit user amenities including shelters, signage, and passenger facilities. Finally, Pace has targeted some of their funding to limited expansions in areas where there is projected growth post-COVID.

Table 15. Pace Priority Projects

Pace Priority Projects	Estimated 10-Year Need	Total 5-Year Funding Programmed
Fixed Route Buses - Replacement	\$ 316,300,000	\$ 112,000,000
Associated Capital Maintenance Items	\$ 111,680,000	\$ 55,096,131
Fixed Route Buses - Expansion	\$ 94,889,000	\$ 9,900,000
Pulse Infrastructure	\$ 84,525,000	\$ 600,000
Improve Support Facilities	\$ 58,925,000	\$ 41,500,000
Paratransit Vehicles - Replacement	\$ 55,300,000	\$ 20,992,833
Security, Computer, Software, and Office Systems Upgrades	\$ 50,500,000	\$ 5,600,000
Bus on Shoulder (BoS) Infrastructure	\$ 35,000,000	\$ 35,000,000
Pedestrian Infrastructure/Shelters/Signs	\$ 33,980,000	\$ 8,980,000
Vanpool Vehicles - Replacement	\$ 33,560,000	\$ 6,560,000
Support Equipment/Non-Revenue Vehicles	\$ 22,850,000	\$ 2,350,000
Improve Passenger Facilities - Transportation Centers	\$ 20,900,000	\$ 12,594,620
Intelligent Bus System (IBS) Replacement	\$ 20,500,000	\$ 6,250,000
Community Vehicles - Replacement	\$ 18,750,000	\$ 6,675,000
Construct New Support Facilities	\$ 18,300,000	\$ 18,300,000
Improve Passenger Facilities - Park-n-Ride Lots	\$ 14,200,000	\$ 6,750,000
Regional Transit Signal Priority (RTSP)	\$ 14,000,000	\$ 6,407,729
Farebox System	\$ 13,250,000	\$ 10,000,000
Paratransit Vehicles - Expansion	\$ 13,000,000	\$ -
Community Vehicles - Expansion	\$ 3,000,000	\$ -
Uncategorized Projects - Pace	\$ -	\$ 1,400,000
Administration - Pace	\$ -	\$ 4,000,000
Grand Total	\$ 1,033,409,000	\$ 370,956,313

Data will be further analyzed by looking at core requirements, and strategic goals. Table 16 shows information for every Pace project, and Appendix B contains the detailed data for each project.

Table 16. Pace Priority Projects Details

Pace Priority Projects	Estimated 10-Year Need for Priority Project	Individual Capital Project Title	Total 5-Year Funding Programmed	Strategic Goals			Core Requirements	
				Deliver Value on Our Investment	Build on Strengths of Our Network	Stay Competitive	Maintain and improve safety and reliability	Achieve Full Accessibility
Fixed Route Buses - Replacement	\$316,300,000	Replacement diesel buses (40')	\$39,000,000	•			•	•
		Replacement CNG buses	\$63,250,000	•			•	•
		Coach Buses	\$9,750,000	•			•	•
Associated Capital Maintenance Items	\$111,680,000	Engine/Transmission Retrofits & Associated Capital	\$55,096,131	•			•	
Fixed Route Buses - Expansion	\$94,889,000	Expansion CNG buses	\$9,900,000			•	•	•
Pulse Infrastructure	\$84,525,000	Pulse Dempster Line Easements	\$600,000		•			•
Paratransit Vehicles - Replacement	\$55,300,000	Paratransit Vehicles	\$20,992,833	•			•	•
Improve Support Facilities	\$58,925,000	Improve Support Facilities	\$3,500,000	•			•	
		North Shore Division Expansion	\$20,000,000		•		•	

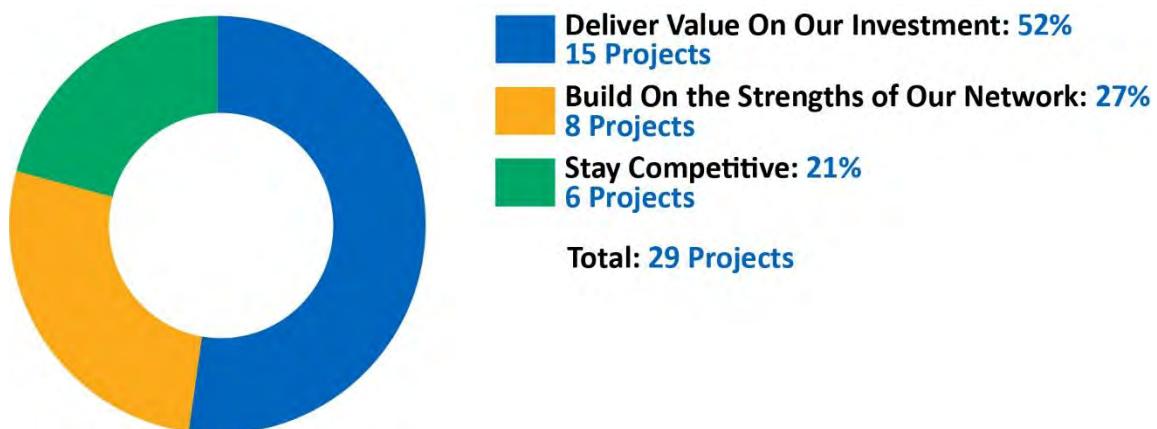
		Southwest Division Expansion	\$18,000,000		•			•		
Security, Computer, Software, and Office Systems Upgrades	\$50,500,000	Computer Systems/Hardware & Software	\$5,100,000			•		•		
		Office Equipment/Furniture	\$500,000	•				•		
Bus on Shoulder (BoS) Infrastructure	\$35,000,000	I-294 Stations and Park-n-Rides	\$35,000,000			•				
Pedestrian Infrastructure/Shelters/Signs	\$33,980,000	Bus Stop Shelters	\$5,330,000		•			•		
		Bus Tracker Signs	\$3,650,000		•			•		
Vanpool Vehicles - Replacement	\$33,560,000	Vanpool Vehicles	\$6,560,000			•		•		
Support Equipment/Non-Revenue Vehicles	\$22,850,000	Support Equipment/Non	\$2,350,000	•				•	•	
Improve Passenger Facilities - Transportation Centers	\$20,900,000	Improve Passenger Facilities	\$12,594,620	•				•		
Intelligent Bus System (IBS) Replacement	\$20,500,000	Intelligent Bus System	\$6,250,000	•				•		
Community Vehicles - Replacement	\$18,750,000	Community Transit/On Demand Vehicles	\$6,675,000	•				•	•	
Construct New Support Facilities	\$18,300,000	Northwest Wheeling Garage	\$10,000,000	•				•		
		Plainfield Garage	\$8,300,000		•			•		
Improve Passenger Facilities - Park-n-Ride Lots	\$14,200,000	I-55 Park-n-Rides	\$6,750,000		•			•		
Regional Transit Signal Priority (RTSP)	\$14,000,000	Transit Signal Priority Integration	\$2,000,000			•		•		
		Transit Signal Priority	\$4,407,729		•			•		
Farebox System	\$13,250,000	Farebox System Replacement	\$10,000,000	•						

Paratransit Vehicles - Expansion	\$13,000,000	No Projects Programmed	\$ -						
Community Vehicles - Expansion	\$3,000,000	No Projects Programmed	\$ -						
Uncategorized Projects - Pace	\$ -	Transit Asset Management	\$400,000	•					•
		Vision Plan Implementation Study	\$1,000,000			•		•	
Administration - Pace	\$ -	Project Management for Priority Capital Projects	\$4,000,000	•			•		
Grand Total	\$1,033,409,000		\$370,956,313						

Strategic Goals

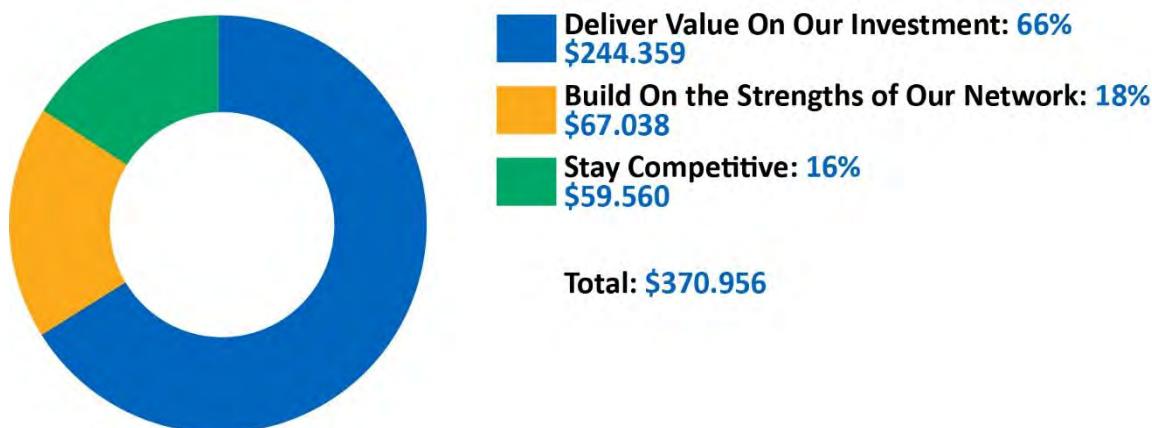
Pace selected one of the strategic goals from *Invest in Transit* for each of the projects presented in the capital program. Deliver value on our investment was the requirement identified most often, with 52% of projects assigned to this goal. About 27% of projects were assigned to build on the strengths of the network, and 21% to stay competitive, as shown in Figure 54. Pace's projects that include replacing existing vehicles and improving existing facilities were most often categorized as delivering value on investment, while projects that expand or improve the system, such as the expansion of the bus fleet, and bus-on-shoulder projects are designed to help Pace stay competitive. Projects such as transit signal priority and Pulse Bus Rapid Transit projects were assigned the goal of build on the strengths of the network.

Figure 54. Number of Pace Projects Advancing Each Strategic Goal



When looking at funding by goal, deliver value on investment continues to be the most funded goal, with 66% of funds going toward these projects, while 18% to build on the strengths of our network and 16% to staying competitive, as seen in Figure 55. Continuing the trend in the region, funding projects that deal with ongoing maintenance and support the existing system remain the most important components of Pace's capital program. If more funding were available, Pace could advance projects that would allow for more frequent service and offer better connections around the system.

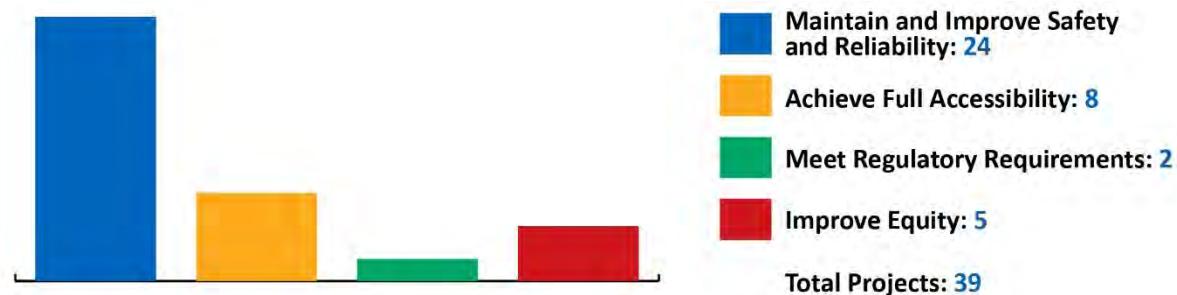
Figure 55. Amount of Pace Funding Advancing Each Strategic Goal (dollars in millions)



Core Requirements

Pace selected one core requirement for each of the projects in the 2021-2025 capital program. The top selected requirement was maintaining and improving safety and reliability, which was assigned to 24 projects. Few projects were assigned to the other core requirements with achieve full accessibility accounting for eight projects, improve equity for five projects, and meet regulatory requirements for two projects, as shown in Figure 56. Similar to the strategic goals above, most of Pace's projects are focused on maintaining current operations and therefore classified as maintaining and improve safety and reliability.

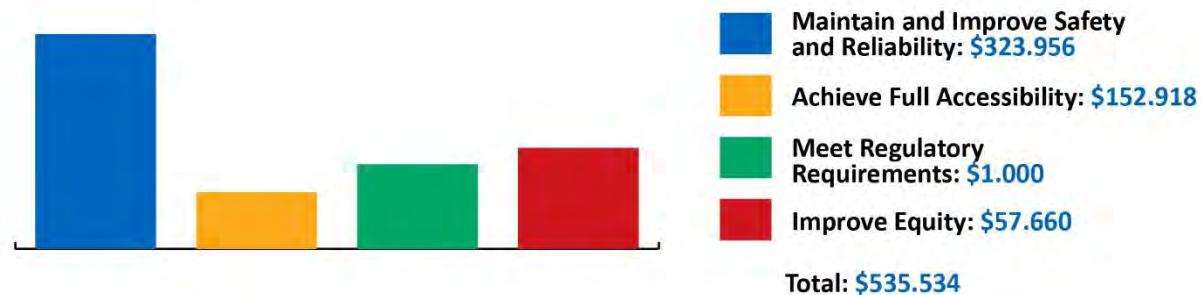
Figure 56. Number of Pace Projects Addressing Each Core Requirement



NOTE: Question is asked as multi-response, Service Boards may select up to two core requirements per project.

From a funding by core requirement perspective, \$324.0 million of the funding is going toward projects that maintain and improve safety and reliability, while \$152.9 million help achieve full accessibility, \$57.7 million help to improve equity and less than \$1.0 million fund regulatory requirements, seen in Figure 57.

Figure 57. Amount of Pace Funding Addressing Each Core Requirement (dollars in millions)



NOTE: Question is asked as multi-response, Service Boards may select up to two core requirements per project.

Overall, Pace's data show that the requirement of maintain and improve safety and reliability is the chief focus of the funded projects. Furthermore, with Pace's focus on providing services to a diverse community funding to help achieve full accessibility is another important aspect of the program.

Overall, similarly to the other Service Boards, Pace's primary goals of their projects are focused on maintaining the system and meeting accessibility needs. Funding to improve service or

improve equity within the route network are limited by funding constraints and shows the need to continue to advocate for more funding for the essential services that Pace provides.

Pace Regional ADA Paratransit Capital Program

The 2021-2025 Pace ADA capital program includes a capital investment of \$15.8 million, funded from the Rebuild Illinois Program's Bond funds. Overall, Pace estimates the 10-year need for the Pace ADA program to be (\$187 million). Plans to improve ADA-related technology include upgrading its Trapeze software, enhancing its TripCheck features, adding notification features, and integrating Ventra. In addition, funding will be used to purchase land, build facilities, and provide amenities for riders at new transfer locations. These projects meet the strategic goal of building on the strengths of the system and meet the core requirements of maintaining and improving safety and reliability as well as achieving full accessibility.

To meet Pace's 10-year funding needs, new funding source will need to be identified to meet all capital needs of the ADA capital program.

RTA Capital Program

The RTA's portion of the proposed 2021-2025 Regional Capital Program totals \$818 million, which is made up of set asides of the 2025 federal formula and State PAYGO funding. This funding will be programmed to the Service Boards using a new performance-based capital allocation process developed and implemented at a later date.

Service Board	Priority Project	Total 10-Year Funding Need	Total Five-Year Funding
CTA	Red Purple Modernization	\$6,401,000,000	\$444,847,735
	Red Line Extension	\$2,129,412,335	\$327,771,335
	Bond Repayment, Interest Cost & Finance Cost	\$1,517,466,560	\$758,733,282
	Railcar Purchase	\$1,087,276,532	\$512,146,408
	Green Line Improvements	\$683,042,000	\$9,908,467
	Blue Line Forest Park Modernization - Phase 2	\$653,077,000	-
	Subway Life Safety Improvements	\$607,309,000	-
	Blue Line Forest Park Modernization - Phase 3	\$598,030,000	-
	Blue Line Forest Park Modernization - Phase 4	\$597,030,000	-
	Replacement Bus Purchase (1000 Series)	\$518,777,964	\$214,015,178
	Brown Line Improvements	\$436,384,000	\$7,347,373
	Systemwide Track Renewal	\$422,575,000	\$34,141,749
	Red Line Improvements	\$396,400,000	-
	Elevated Track and Structure Systemwide	\$380,000,000	\$152,000,000
	Perform Bus Maintenance Activities	\$360,000,000	\$144,000,000
	Blue Line (O'Hare) Traction Power Capacity & Track Improvements	\$351,400,000	\$20,206,695
	Bus Garage Improvements	\$343,000,000	-
	Systemwide Structural Renewal	\$336,200,000	-
	Rail Car Maintenance Activities	\$300,000,000	\$116,435,082
	Rail Yard Improvements	\$267,224,412	\$11,850,000
	Rail Shops Improvements	\$265,700,000	\$4,400,000
	Tactical Signal Improvements (Systemwide)	\$235,900,000	-
	BRT/Bus Slow Zone Removal/ TSP/Dedicated Lane projects	\$233,440,000	\$16,802,085
	Replacement Buses (4000 Series)	\$233,018,000	-
	Maintenance Facilities Rehabilitation	\$200,000,000	\$78,000,000
	Railcar Overhaul (2600s and 5000s)	\$191,146,078	\$62,663,100
	New Control Center	\$183,900,000	-
	Systemwide Station Program	\$172,417,000	\$42,981,220
	Tactical Traction Power Improvements (Systemwide)	\$166,604,000	\$122,299,115
	Information Technology	\$152,405,000	\$34,722,600
	CTA OFPS - Equipment (Lease) - VENTRA	\$150,000,000	\$60,000,000
	Blue Line Forest Park Modernization - Phase 1	\$134,452,000	-
	Critical Needs at CTA Facilities	\$94,762,000	-
	Non-Revenue Vehicle Replacement Program	\$72,300,000	\$7,333,095
	Program Management	\$66,064,000	\$26,425,500
	Mid-Life Bus Overhaul (7900 series)	\$58,094,000	-
	Life-Extending Bus Overhaul 430 (1000 series)	\$53,252,000	\$53,917,895
	Radio System Upgrade	\$35,000,000	-
	Program Development	\$26,250,000	\$2,625,000
	New Training Center	\$14,700,000	-
	Mid-Life Bus Overhaul (4300 series)	\$3,081,000	-
	Uncategorized Projects - CTA	-	\$88,721,181
	Administration - CTA	-	\$43,748,459
Metra	Rail Station Improvements	\$2,100,000,000	\$254,450,500
	Bridge Replacement and Repair	\$2,000,000,000	\$87,150,000
	Signal & Electrical Improvements	\$1,900,000,000	\$268,428,000
	Uncategorized Projects - Metra	\$1,500,000,000	\$51,038,189
	Fleet Modernization Plan	\$1,200,000,000	\$805,291,102
	Administration - Metra	\$853,000,000	\$65,428,943
	75th Street Corridor	\$750,000,000	\$6,500,000
	Track Improvements	\$664,000,000	\$69,956,000
	Yards, Facilities, and Equipment Improvements	\$500,000,000	\$121,475,000
	PTC - systemwide	-	\$15,600,000
	A-2 Interlocking Replacement	-	-
	Chicago Union Station Improvements	-	\$2,000,000
Pace	Fixed Route Buses - Replacement	\$316,300,000	\$112,000,000
	Associated Capital Maintenance Items	\$111,680,000	\$55,096,131
	Fixed Route Buses - Expansion	\$94,889,000	\$9,900,000
	Pulse Infrastructure	\$84,525,000	\$600,000
	Improve Support Facilities	\$58,925,000	\$41,500,000
	Paratransit Vehicles - Replacement	\$55,300,000	\$20,992,833
	Security, Computer, Software, and Office Systems Upgrades	\$50,500,000	\$5,600,000
	Bus on Shoulder (BoS) Infrastructure	\$35,000,000	\$35,000,000
	Pedestrian Infrastructure/Shelters/Signs	\$33,980,000	\$8,980,000
	Vanpool Vehicles - Replacement	\$33,560,000	\$6,560,000
	Support Equipment/Non-Revenue Vehicles	\$22,850,000	\$2,350,000
	Improve Passenger Facilities - Transportation Centers	\$20,900,000	\$12,594,620
	Intelligent Bus System (IBS) Replacement	\$20,500,000	\$6,250,000
	Community Vehicles - Replacement	\$18,750,000	\$6,675,000
	Construct New Support Facilities	\$18,300,000	\$18,300,000
	Improve Passenger Facilities - Park-n-Ride Lots	\$14,200,000	\$6,750,000
	Regional Transit Signal Priority (RTSP)	\$14,000,000	\$6,407,729
	Farebox System	\$13,250,000	\$10,000,000
	Paratransit Vehicles - Expansion	\$13,000,000	-
	Community Vehicles - Expansion	\$3,000,000	-
	Uncategorized Projects - Pace	-	\$1,400,000
	Administration - Pace	-	\$4,000,000
Pace ADA Paratransit	ADA Regional Paratransit Program	\$187,000,000	\$15,800,000
	Grand Total	\$33,815,498,881	\$5,532,116,601

Service Board	Priority Project	Estimated 10-Year Need for Priority Project	Project ID Number	Individual Capital Project Title	Individual Project Scope	Total 5-Year Funding Programmed	Strategic Goals		Core Requirements		
							Deliver Value on Our Investment	Build on Our Strengths	Stay Competitive	Maintain and Improve Safety and Reliability	Achieve Full Accessibility
Red Purple Modernization	\$6,401,000,000	304.004	North Main Line - RPM	North Main Line - RPM The purpose of the Red and Purple Modernization (RPM) Program is to expand capacity to meet growing ridership demand; reduce travel times; improve access to job markets and destinations; better utilize existing transit infrastructure; bring the existing infrastructure to a state of good repair; and improve access to the system for patrons with disabilities. FY2021-2025 funds will continue RPM Phase One funding stream. Red Purple Modernization phase one project consists the following interrelated and concurrent projects, as defined in the environmental documents to be developed by the CTA: RED-PURPLE BYPASS PROJECT. This element would construct a fifth track bypass flyover immediately north of the CTA Belmont Station to separate northbound Brown Line trains that currently conflict with southbound Purple Line trains and both northbound and southbound Red Line trains. This project includes construction of a new fifth track bypass flyover and replacement or renovation of approximately 0.3 mile of associated mainline track. LAWRENCE TO BRYN MAWR MODERNIZATION PROJECT. This modernization project would replace 1.3 miles of the existing rail line from Leland Avenue on the south to approximately Ardmore Avenue on the north. This section of track includes four stations - Lawrence, Argyle, Berwyn, and Bryn Mawr. The project would expand and modernize these four stations. The project would also provide ADA access to transit customers with disabilities in a two-mile stretch of the north Red Line that currently does not have accessible stations. CORRIDOR SIGNAL IMPROVEMENTS. This project would improve the signal system and special trackwork generally between Belmont and Loyola stations. Improvements would occur within CTA's existing right-of-way. The scope of work includes planning, design, procurement, and installation of wayside equipment and special trackwork that are significantly past their useful lives. This project also includes improvements to existing special trackwork. CONTINUED INTERIM CAPITAL IMPROVEMENTS. This project would improve track infrastructure conditions between Belmont Station and Linden Station in order to maintain service along existing rail lines. This work would take place within the CTA's existing right-of-way.	\$444,847,735	•	•	•	•	•	•
Red Line Extension	\$2,129,412,335	254.001	Red Line Extension	Red Line Extension Planning, Preliminary Engineering Funds will provide for planning, program management, and preliminary engineering services for the anticipated extension of the south leg of the Red Line. Funding will allow for the CTA to continue project work through the Project Development phase where the Final Environmental Impact Statement (EIS) and Preliminary Engineering for the project will be completed. CIP also provides the 30% non-Capital Improvement Grant match (\$310M) commitment needed to successfully complete Project Development.	\$327,771,335	•	•	•	•	•	•
Bond Repayment, Interest Cost & Finance Cost	\$1,517,466,560	308.002	Bond Repayment, Interest Cost, & Finance Cost	Bond Repayment, Interest Cost, & Finance Cost: Provide for debt service and the cost of issuance of bonds, notes and other indebtedness incurred by the CTA. This project is funded with federal funds and non-federal local match.	\$758,733,282	•	•	•	•	•	•
Railcar Purchase	\$1,087,276,532	132.056	Purchase Rail Cars - 7000' Series (Base Order 400)	Purchase Rail Cars - 7000' Series (Base Order 400) - Program funds will provide for the continued cash needs and obligation provisions as identified in the contract documents for the 7000' series rail car Base contract order of 400 cars.	\$217,715,300	•	•	•	•	•	•
Green Line Improvements	\$683,042,000	181.500 (2)	Green Line South - Track Improvements (GTT)	Green Line South - Track Improvements (GTT) project will provide for the replacement of ties, track fasteners, footwalks, and incidental signal and traction power in addition to track improvements on the South Main Line (Green Line) between Tower 17 (Green/Orange Line split) and 35th Street will preserve the integrity of tracks through replacement of ties, fasteners, footwalks, improved curve geometry, and rail grinding as well as replacing the top flange as necessary. Work will be performed by an outside contractor.	\$294,431,108	•	•	•	•	•	•
Blue Line Forest Park Modernization - Phase 2	\$653,077,000	None	(No Projects Programmed)	(No Projects Programmed)	\$9,908,467	-	•	•	•	•	•
Subway Life Safety Improvements	\$607,309,000	None	(No Projects Programmed)	(No Projects Programmed)	-	-	-	-	-	-	-
Blue Line Forest Park Modernization - Phase 3	\$598,030,000	None	(No Projects Programmed)	(No Projects Programmed)	-	-	-	-	-	-	-
Blue Line Forest Park Modernization - Phase 4	\$597,030,000	None	(No Projects Programmed)	(No Projects Programmed)	-	-	-	-	-	-	-
Replacement Bus Purchase (1000 Series)	\$518,777,964	031.054	Purchase up to 70 Electric Buses and up to nine Chargers	Purchase up to 70 Electric Buses and up to nine Chargers - Bus funding provides for a future order of up to 70 40-foot battery-powered, zero-emission, all-electric, fully accessible, public transit buses with en-route charging capabilities. CTA will retire up to 70 1000-Series New Flyer buses that are over 14 years old. Turnkey project to procure Electric buses and associated charging infrastructure.	\$38,603,470	•	•	•	•	•	•
Brown Line Improvements	\$436,384,000	181.500 (5)	Brown Line - Track Improvements (GTT)	Brown Line - Track Improvements (GTT) - Ravenswood Ballasted Track Improvements (abutment at Campbell to crossover West of Spaulding grade crossing) Improve deteriorated ballasted track and grade crossing conditions with tie renewal, grade crossing improvements, selective ballast replacement, and rail grinding. This project also includes the replacement of contact rails and chairs.	\$7,347,373	•	•	•	•	•	•
Systemwide Track Renewal	\$422,575,000	195.027	Subway Waterproofing & Track	Subway Waterproofing & Track - Funding will provide for critical waterproofing patchwork needed to continue rail service through the Blue Line O'Hare branch.. Due to funding restrictions CTA cannot move forward with original scope of work to mitigate water infiltration in the Dearborn subway.	\$5,359,704	•	•	•	•	•	•
Red Line Improvements	\$396,400,000	None	(No Projects Programmed)	(No Projects Programmed)	\$11,342,834	•	•	•	•	•	•
Elevated Track and Structure Systemwide	\$380,000,000	181.500	Elevated Track and Structure Systemwide	Elevated Track and Structure Systemwide - Funding will be targeted at preventive maintenance projects for various infrastructure units such as Track, Structure and Power. When certain maintenance tasks are needed to repair or replace asset components in order to maintain the working life of rail system, specific component campaign work is conducted. Capital maintenance work is targeted at the following areas:Elevated Track and Structure - repair/rehabilitate track and structure elements in order to eliminate slow zones and upgrade the right-of-way along the elevated structure throughout the rail system.Traction Power Substations - program that repairs and upgrades equipment at various traction power substations currently in service. Tactical upgrades correct deficiencies and avoid service reductions due to failure and overload of aging equipment. Third Rail and Heavy Traction Power Cables - Preventive maintenance work is performed where necessary to repair/replace heavy traction power cables that feed the third rail along the tracks currently in service at various locations throughout the rail system. Rail Signal Systems - Program provides for signal equipment repair along the rail right-of-way, signal equipment on rail cars, and the reconstruction of electronic components of the signal system, including relays and circuit boards. As necessary dedicated small renewals and system modifications also completed. All work is planned/perform to maintain the asset(s) in proper working order through its quartile life cycle, while a more extensive rehabilitation is planned at the mid-life of the asset.	\$17,439,211	-	•	•	•	•	•
Perform Bus Maintenance Activities	\$360,000,000	021.803	Perform Bus Maintenance Activities	Perform Bus Maintenance Activities Funding for this project will provide for an ongoing capital maintenance program that consists of tasks necessary to keep buses in service through systematic inspection, detection, and prevention of incipient failure. CTA's scheduled maintenance program consists of planned preventive maintenance work to maintain bus performance. While major overhaul work is performed on a mid-life cycle basis, additional focused maintenance work is required at certain intervals, outside of the mid-life overhaul, during the life of the buses. When certain maintenance tasks are needed to repair or replace, before it reaches its end of useful life and failing with an increased frequency, specific component campaign work is conducted.	\$144,000,000	•	•	•	•	•	•
Blue Line (O'Hare) Traction Power Capacity & Track Improvements	\$351,400,000	121.500 (2)	Blue Line O'Hare Branch Traction Power Improvements GTT	Blue Line O'Hare Branch Traction Power Improvements GTT - Project will include targeted track repairs to remove existing slow zones on the Congress Branch of the Blue Line. CTA has identified traction power voltage drop issues along the Blue Line. Scope of work will include but not limited to the following elements: New infill substations, infill wayside energy storage systems, infill tie houses, third rail replacement, addition of auxiliary negative rail; work will be performed by an outside contractor. In addition project will also provide for the replacement of ties, track fasteners, footwalks, and incidental signal and traction power; this part of work will be performed by CTA Field Forces.	\$20,206,695	•	•	•	•	•	•
Bus Garage Improvements	\$343,000,000	None	(No Projects Programmed)	(No Projects Programmed)	-	-	-	-	-	-	-
Systemwide Structural Renewal	\$336,200,000	None	(No Projects Programmed)	(No Projects Programmed)	-	-	-	-	-	-	-
Rail Car Maintenance Activities	\$300,000,000	022.906	Rail Car Maintenance Activities	Rail Car Maintenance Activities - Rail Car - CTA will continue investing in the rail car fleet maintenance program. This program is intended to correct critical defects and operational deficiencies discovered during inspections of rail cars. CTA's scheduled maintenance program consists of planned work to maintain rail car performance. While major overhaul work is performed on a quarterly and mid-life cycle basis, additional focused maintenance work is required at certain intervals of the car's life, outside of the overhaul cycle. When certain maintenance tasks are needed to repair or replace a component before it reaches its end of useful life and fails with an increased frequency, specific component campaign work is conducted.	\$116,435,082	•	•	•	•	•	•
Rail Yard Improvements	\$267,224,412	073.500 (3)	Rail Facilities - Rail Yards	Rail Facilities - Rail Yards: Funding will provide for the upgrades to be made to the rail yard system infrastructure including track and associated components, fire suppression, and lighting. Other facility deficiencies will be address including but not limited to: boilers, trash collection systems, roofs, windows, pavement replacement, rail head replacement, inspection pit rehabilitation, roof replacements, and heating and ventilation air conditioning systems. Overall this project will allow CTA to address multiple state of good repair needs at rail yard facilities.	\$11,850,000	•	•	•	•	•	•
Rail Shops Improvements	\$265,700,000	073.500 (4)	Skokie Clean Room - Bench Test Equipment	Skokie Clean Room - Bench Test Equipment: The scope of work provides for modifications to the CTA Skokie Shop (Heavy Maintenance Facility) to accommodate the addition of clean rooms. All of the necessary architectural and MEP systems would be reworked and reactivated in the expanded / modified spaces.	\$4,400,000	•	•	•	•	•	•
Tactical Signal Improvements (Systemwide)	\$235,900,000	None	(No Projects Programmed)	(No Projects Programmed)	-	-	-	-	-	-	-
BRT/Bus Slow Zone Removal/ TSP/Dedicated Lane projects	\$233,440,000	406.501	Bus Priority Zones	Bus Priority Zones: The Chicago Transit Authority (CTA) and the Chicago Department of Transportation (CDOT) are collaborating to maximize existing assets and meets regional objectives for a modern, multi-modal transportation system. CTA and CDOT together will implement a coordinated program of bus priority treatments and targeted solutions for specific problem areas in order to improve speed and reliability on network of key bus corridors. With the emergence of ride-hailing and other modes that can contribute to increasing congestion, there is a need to maintain and improve the public bus system as a high capacity, competitive alternative. Bus Priority Zones project (BPZ) can help accomplish this by improving bus speeds and reliability, targeting the pinch points that causes the most delays. This project will improve transit service for existing riders and attract new ridership throughout the corridor.	\$125,000	•	•	•	•	•	•
Replacement Buses (4000 Series)	\$233,018,000	None	(No Projects Programmed)	(No Projects Programmed)	\$16,677,085	•	•	•	•	•	•
Maintenance Facilities Rehabilitation	\$200,000,000	073.500 (2)	Maintenance Facilities Rehabilitation	Maintenance Facilities Rehabilitation: Funding will be targeted at preventive maintenance projects at various CTA facilities systemwide. These projects will improve CTA's capacity to maintain stations and improve customer comfort and safety. CTA's facilities department will identify stations for this targeted preventive maintenance work, driven by regular field audits performed by maintenance staff. Projects currently anticipated for this funding source may include leak remediation and grouting in stations; rehabilitation of CTA elevators and escalators (ADA); ceiling, roof or canopy repair / patching; lighting upgrades; painting and signage, among other items. This work will be performed by CTA maintenance forces with material procured as part of this project. Work will be conducted throughout the system and is considered routine preventive maintenance.	\$78,000,000	•	•	•	•	•	•
Railcar Overhaul (2600s and 5000s)	\$191,146,078	022.903	Perform Rail Car Overhaul - 5000 Series Qtr Overhaul	Perform Rail Car Overhaul - 5000 Series Qtr Overhaul - 714 Cars - The scope of this project is to provide for the Quarter-Life Overhaul on the 5000-Series rail cars. Schedule maintenance will include major component rebuilds and needed repairs to the car bodies. Additional work may include: replacing control groups, air conditioning units, truck assemblies, including traction motors, cables, batteries, brake calipers, axle assemblies, interior seat modification and other critical components based on condition assessment.	\$62,663,100	•	•	•	•	•	•
New Control Center	\$183,900,000	None	(No Projects Programmed)	(No Projects Programmed)	-	-	-	-	-	-	-
Systemwide Station Program	\$172,417,000	141.273	Rehabilitate Rail Stations Systemwide	Rehabilitate Rail Stations Systemwide - Rail Stations Program would provide an annual appropriation for much-needed rehabilitation and modernization work at existing CTA rail stations. In addition, Infrastructure's Rail Stations Program funds could be re-appropriated to support other critical needs at rail stations as they arise and implementation of systemwide projects can be scaled dependent on funding and locations.	\$5,925,000	•	•	•	•	•	•
		141.273 (2)	Station Security Enhancements Systemwide (Safe and Secure)	Station Security Enhancements Systemwide (Safe and Secure) Initiative invests \$15 million to provide enhancements to be made to stations that include lighting, repairs, and other improvements. This multiple year effort is expected to touch over 100 stations throughout the system	\$13,930,000	•	•	•	•	•	•
		150.028 (2)	Systemwide Security Cameras Improvements (Safe & Secure)	Rehabilitate Rail Stations - ASAP (AUSTIN) : This project is part of CTA's All Stations Accessibility Program (ASAP). The goal of ASAP is to create a vertically accessible rail system within 20 years. ASAP also adds accessibility features to vertically inaccessible stations such as sidewalks and crosswalks, power-outlet doors, accessible fare array, braille and signage, accessible Customer Assistance (CA) kiosks and staff toilet rooms, enhanced lighting as appropriate, and enhanced platform clearances for wheelchair users. This project is in response to vertical accessibility at the CTA Austin station (Austin Station). The original street level station opened on April 15, 1899 as a section of the "Lake Street Elevated Railroad," a surface level extension. The current stationhouse was rebuilt in 1962 as part of the project that moved the western end of the Lake Street line from a street level alignment to an abandoned strip of the parallel "Chicago and Northwestern Railway" embankment. The Lake Line began using this elevated right-of-way in October 28, 1962. This station has not been upgraded since it was rebuilt. The Austin station has been identified as a station that is not vertically accessible for all customers and will require the installation of an elevator to serve this center platform configuration. Work on this project will also bring elements of the station up to current Chicago Building Code requirements and meet the National Fire Protection Association (NFPA) 130 Standard for Fixed Guideway Transit and Passenger Rail Systems emergency egress requirements.	\$8,894,700	•	•	•	•	•	•
Tactical Traction Power Improvements (Systemwide)	\$166,604,000	195.027 (2)	Tactical Traction Improvements - Barry, Damen and Canal	Tactical Traction Improvements - Barry, Damen and Canal - This project adds two new substations on the O'Hare Branch of the Blue Line to provide more power capacity to accommodate the Blue Line O'Hare Branch's increasing ridership demand and to meet the higher power requirements for planned new rail cars on the system (the 7000 series). This project will also provide for design and construction of a new, stainless steel, airtight, climate controlled breaker tie house facility inside the stub track (below and near the intersection of Milwaukee Avenue, Canal Street and Lake Street) in the Dearborn Subway. The design is for a stick-built room (or a pre-fabricated modular building), that is non-combustible and rated for harsh environments. The facility will be equipped to house new DC breakers, an RTU, batteries, a new cable system between the tie house and the Dearborn Subway line and the Lake Line tracks. Also included is design of a positive and negative cable system, along with a fire protection and a drainage system, and creation of a section gap near the intersection of Milwaukee Avenue, Canal and Lake Streets.	\$113,681,000	•	•	•	•	•	•
		121.500	Tactical Traction Power (Equipment/Cable/Enclosures)	Tactical Traction Power (Equipment/Cable/Enclosures) - The purpose of this project is to implement traction power system improvements that will enable the CTA to continue to meet existing traction power needs, increase traction power capacity to meet future demand, and address state of good repair by repairing or replacing worn or obsolete equipment.	\$8,618,115	•	•	•	•	•	•
Information Technology	\$152,405,000	061.059	Upgrade Office Computer Systems	Upgrade Office Computer Systems: funding will provide for the hardware needed for any business-requested upgrades to major IT applications, which may include but not be limited to MMIS, Filemaker Pro, Hyperion, and QuickTrack. This project will also provide for the continued upgrade/replacement of desktop computers, printers servers, software, and associated peripherals.	\$3,900,000	•	•	•	•	•	•
		061.059 (2)	Upgrade\Support Computer Systems	Upgrade\Support Computer Systems: funding will provide for computers and labor to perform maintenance services on CTA's IT infrastructure. IT infrastructure includes, but is not limited to, fiber optic and copper cable systems, optical/copper/wireless network systems, telephone systems, public address systems, dynamic message signage, CCTV security camera systems, radio systems, SCADA systems, desktop/server systems, mobile communication systems, UPS/breaker power systems, and Control Center systems. Annual funding will also be available for the creation of scheduled maintenance campaigns to refresh technologies for high usage devices such as UPS', radios, telephones, cameras, dynamic signs, PA microphones, mobile fleet communications, among others.	\$1,200,000	•	•	•	•	•	•

Service Board	Priority Project	Estimated 10-Year Need for Priority Project	Project ID Number	Individual Capital Project Title	Individual Project Scope	Total 5-Year Funding Programmed	Strategic Goals		Core Requirements			
							Deliver Value On Our Investment	Build on Strengths of Our Network	Stay Competitive	Maintain and Improve Safety and Reliability	Achieve Full Accessibility	Meet Regulatory Requirement
Information Technology			150.028	Implement Security Projects (HLS Program)	Implement Security Projects (HLS Program): This program provides competitive funding to public transportation agencies to protect critical high-risk surface transportation and the traveling public from acts of terrorism and to increase the resilience of transit infrastructure with liability based on daily ridership of transit systems serving key high-threat urban areas. It has identified critical infrastructure assets that are vital to the functionality and continuity of major high risk transit systems and whose incapacitation or destruction would have a debilitating effect on national security, public health, safety, or any combination thereof.	\$29,622,600	•	•	•	•	•	•
CTA OPFS - Equipment (Lease) - VENTRA		\$150,000,000	086.500	CTA Open Fare Payment System - Equipment (Lease) - VENTRA	CTA Open Fare Payment System - Equipment (Lease) - VENTRA: funds will provide in part for the principal and interest of the agreement need for the Open Fare Standard equipment, hardware, and software costs. The contractor (Cubic) costs including, but are not limited to, expenses incurred to design, build, finance, operate, maintain, repair and replace the equipment, the software and the Open Standards Fare system, and provide the Services, in accordance with the specifications and performance at the service levels and perform any other obligations pursuant to this Agreement. The capital share of the annual Base component cost is \$15 million which provides for necessary design, testing, purchase and installation of assets such as the following: Ventra Vending Machines, Mobile Data Validators (readers), Driver Terminal Displays, retail terminals, and B2Gall software applications, and back-end hardware.	\$60,000,000	•	•	•	•	•	•
Blue Line Forest Park Modernization - Phase 1		\$134,452,000	None	(No Projects Programmed)	(No Projects Programmed)	-	-	-	-	-	-	
Critical Needs at CTA Facilities		\$94,762,000	None	(No Projects Programmed)	(No Projects Programmed)	-	-	-	-	-	-	
Non-Revenue Vehicle Replacement Program		\$72,300,000	086.500 (2)	Equipment and Non-Revenue Vehicles (Diesel Locomotives)	Equipment and Non-Revenue Vehicles (Diesel Locomotives): Funding will provide for the replacement of CTA's diesel locomotive snow fighters. The self-propelled locomotives with special attachments to remove snow and ice during severe winter weather conditions are able to operate and clear system track, so that CTA can safely power up the system to restore/provide service. When traction power is down, this equipment will also be used to move rolling stock to secure locations.	\$7,333,095	•	•	•	•	•	
Program Management		\$66,064,000	310.001	Program Management	Program Management - Professional services to manage implementation of the CTA's Capital Construction Program. Funds provide for a construction program management consultant.	\$26,425,500	•	•	•	•	•	
Mid-Life Bus Overhaul (7900 series)		\$58,094,000	None	(No Projects Programmed)	(No Projects Programmed)	-	-	-	-	-	-	
Life-Extending Bus Overhaul 430 (1000 series)		\$53,252,000	021.806	Perform Bus Overhaul - Life Extending Overhaul - Up to 430 Standard (1000 Series)	Perform Bus Overhaul - Life Extending Overhaul - Up to 430 Standard (1000 Series) - This project will overhaul the engine and other major sub-components to provide the minimal amount of work necessary to keep the fleet going. By end of FY2020 630 buses will have met their estimated 12 year life expectancy. This extension would extend the bus life by four years. The life extension for the 40 foot 1000-1629 New Flyer Bus is essential to keeping a majority of the CTA fleet running in optimal condition. The current fleet of 40 foot NF buses is over 1000 buses. This project is essential to meet availability requirements for CTA. These buses were purchased in 2006-2007 and this life extension is essential to maintaining peak availability requirements at all 7 bus garages.	\$53,917,895	•	•	•	•	•	
Radio System Upgrade		\$35,000,000	None	(No Projects Programmed)	(No Projects Programmed)	-	-	-	-	-	-	
Program Development		\$26,250,000	310.001(2)	Program Development	Program Development - The purpose of this program is to improve and facilitate CTA's efforts to coordinate the provision of capital projects for customers in its service area to projects identified within the Chicago area regional Five-Year Transportation Improvement Program. Major tasks include developing CTA's capital programs for inclusion in the five-year regional TIP; identifying and analyzing potential capital projects for funding eligibility; prioritizing capital projects for inclusion in the CTA's capital program and the constrained TIP; and monitoring the capital program of projects progress and adjust as needed for amending or for inclusion into the TIP. Other tasks includes soliciting proposals/projects from CTA business units; Review unfunded needs lists; Examine the current five year program on an ongoing basis; Reassess project readiness and schedule; Assess project viability; Perform cost-benefit analysis; Develop scope schedule, budget, and cash flow estimates; Verify compliance and eligibility issues for historic properties; Determine need for and prepare environmental assessment, as warranted; Analyze program mark; Align projects to efficiently utilize marks; Develop program into TIP database; monitor projects and provide Quarterly Reports.	\$2,625,000	•	•	•	•	•	
New Training Center		\$14,700,000	None	(No Projects Programmed)	(No Projects Programmed)	-	-	-	-	-	-	
Mid-Life Bus Overhaul (4300 series)		\$3,081,000	None	(No Projects Programmed)	(No Projects Programmed)	-	-	-	-	-	-	
Uncategorized Projects - CTA		-	308.002 (2)	GTT Repayment	GTT Repayment: On November 21, 2017, the City of Chicago Council approved and authorized an Intergovernmental agreement (IGA) with the Chicago Transit Authority providing \$16 million in annual funding of Ground Transportation Tax (GTT) to support a \$179 million capital program that will be implemented over the series of years. Since the passage of this innovative funding source, CTA has been developing the scope and schedule for the two programs that will be supported by this first of its kind fee. Fast Tracks and Safe & Secure. The Fast Tracks program is a \$146 million effort by CTA to provide faster, smoother and more reliable service across the CTA rail system. The Safe & Secure program is a multi-faceted, \$33 million (\$18M Camera Improvements & \$15M Station Enhancements) effort by CTA to increase safety across the CTA system and provide a more secure, comfortable traveling experience. Since this program began in 2018 in the interim CTA has financed these projects with short term credit however this line item shows CTA's commitment of future Bond funds.	\$88,571,181	•	•	•	•	•	
Administration - CTA		-	406.501 (2)	Transit System Network Design Study	Transit System Network Design Study: Funding will provide a much needed comprehensive analysis of the current state of transit service, ridership, and the evolving urban mobility landscape in CTA's service area. This project will improve connectivity and coordination of service to enhance continuity and accommodate the efficient movement of people, goods and services across all modes to address intermodal efficiency. This project supports land use and transportation connectivity as well as economic development in Illinois communities.	\$150,000	•	•	•	•	•	
Fleet Modernization Plan		\$2,100,000,000	310.001 (3)	Support Service for 5307, 5337, 5339, Fast Tracks Program, CTA Bond, CMAQ and Homeland Security	Support Service for 5307, 5337, 5339, Fast Tracks Program, CTA Bond, CMAQ and Homeland Security - Funding will provide for Project Administration for the program of projects programmed over CTA's Five Year (2021-2025) Capital Program. Supports a variety of tasks necessary to administer the project that include, but are not limited to, ensuring that quarterly and milestone progress reports are submitted on time, ensuring that sufficient funds are available for approved projects, reviewing and approving invoices for payment, submitting approved invoices for reimbursement, identifying and cataloging agency assets, preparing financial statements, and ensuring that approved projects meet expenditure goals established for the participation of DBEs.	\$18,996,515	•	•	•	•	•	
Bridge Replacement and Repair		\$2,000,000,000	073.500	Office Building - Principal & Interest	Office Building - Principal & Interest: The total scope of this project will provide for capitalized lease payments for the new administration building, and improvements and upgrades to existing facilities and associated elements throughout the system.	\$24,751,944	•	•	•	•	•	
Pace			5062	AUTOMATIC PASSENGER COUNTERS	AUTOMATIC PASSENGER COUNTERS - This project provides funds for the purchase of Automatic Passenger Counters to be installed on Metra railcars. APCs will be used for real-time counting of ridership on Metra lines.	\$4,000,000	•	•	•	•	•	
			5010	CAR AND LOCOMOTIVE CAMERAS	CAR AND LOCOMOTIVE CAMERAS - This project involves the purchase of a digital video recording (DVR) system. The system will replace the 12 year old, obsolete system currently running on Metra's rolling stock. The new system will allow for video recording of railroad signal aspects and incidents and includes inward-facing cameras and outward-facing, dual-lens cameras.	\$7,500,000	•	•	•	•	•	
			5502	CAR AND LOCOMOTIVE IMPROVEMENTS	CAR AND LOCOMOTIVE IMPROVEMENTS - This project makes improvements to diesel and electric rolling stock during ongoing maintenance and/or major overhauls. Metra is currently installing cameras and digital recording devices in locomotives and cars.	\$7,500,000	•	•	•	•	•	
			5009	CAR REHAB (NIPPON SHARYO HIGHLINERS)	CAR REHAB (NIPPON SHARYO HIGHLINERS) - This project funds the continued rehabilitation of self-propelled electric cars used on the Metra Electric. The cars delivered between 2005 and 2007. This first rehabilitation may include, but is not limited to, repair of the car body structure, interior components, and overhaul of propulsion control systems.	\$34,360,822	•	•	•	•	•	
			5207	CAR REHAB (NIPPON SHARYO PHASES 5-7)	CAR REHAB (NIPPON SHARYO PHASES 5-7) - This project involves the mid-life rehabilitation of these commuter cars and will be performed in multiple phases.	\$90,695,000	•	•	•	•	•	
			5406	DC TO AC CONVERSION	DC TO AC CONVERSION - This project will convert fifty-four (54) existing locomotives (F59 PH, F59 PH and MP 36 locomotives) from DC traction propulsion to AC traction propulsion.	\$62,000,000	•	•	•	•	•	
			5306	F59 LOCOMOTIVE ENGINE UPGRADE	F59 LOCOMOTIVE ENGINE UPGRADE - This project will overhaul 21 F59PH locomotives to keep them in a state of good repair. The main engine will be upgraded from Tier 0+ to Tier 3 emissions and the HEP genset will be upgraded from Tier 2 to Tier 4.	\$58,800,000	•	•	•	•	•	
			5171	GPS/TRAIN TRACKING	GPS/TRAIN TRACKING - This project involves the replacement of the current GPS, which has exceeded its useful life. Metra will replace the GPS, on-board announcement system and signs on the entire fleet. Metra will also install automatic passenger counters and event recorders. The new system will maintain the necessary current functions, while potentially adding video surveillance, customer information displays and an information system. This project will enable Metra to track trains, count passengers and provide information with one system.	\$5,158,000	•	•	•	•	•	
			5204	LOCOMOTIVE REHABILITATION 100-149,215,216	LOCOMOTIVE REHABILITATION 100-149,215,216 - This project continues Metra's ongoing locomotive rehabilitation program. It consists of the life-extending rebuild of F40 locomotives and the mid-life overhaul of MP36 locomotives. A locomotive rehabilitation is less expensive than a purchase, saving approximately \$5 million per vehicle. The project may include, but is not limited to, the complete rebuild of a diesel engine, overhaul of the Head End power alternator and gear boxes, air painting and body repair.	\$6,585,000	•	•	•	•	•	
			5006	NEW GALLERY CARS PURCHASE	NEW GALLERY CARS PURCHASE - This project funds the purchase of new bi-level gallery cars to phase old diesel cars, which are 44 years old on average, out of service. The purchase will increase the spare cars ratio and will retire the oldest cars in the fleet.	\$509,742,280	•	•	•	•	•	
			5501	TRACTION MOTORS	TRACTION MOTORS - This project funds the overhaul of traction motors and traction alternators for locomotives. This project also involves the overhaul of auxiliary generators and head-end-power (HEP) alternators. The overhauled equipment will be used on locomotives operated on railroads either owned or operated by Metra. A basic overhaul is required to return these motors to an acceptable level of performance.	\$6,900,000	•	•	•	•	•	
			5350	VIDEO EQUIPMENT	COMMUNICATIONS IMPROVEMENTS - This project involves the installation of improved communications equipment throughout the Metra system, including cameras, video equipment, and video back-up. The new equipment will improve operating cost and service reliability by replacing analog equipment with digital equipment.	\$1,250,000	•	•	•	•	•	
			5503	WHEEL REPLACEMENT	WHEEL REPLACEMENT - This project will implement the FRA-mandated replacement of wheel sets on Metra's fleet of locomotives and commuter cars. The replacement wheels will be used on vehicles being operated on all carriers and railroads in the Metra system as part of an ongoing program to overhaul major rolling stock components.	\$10,800,000	•	•	•	•	•	
			4739	275-OLD 96th AVENUE	275-OLD 96th AVENUE: This project funds the replacement of Bridge 275 on Metra's Rock Island District. The 94-year-old bridge spans over 96th Avenue in Mokena at milepost 27.5.	\$8,000,000	•	•	•	•	•	
			5441	BRIDGE A110/56, MWD	BRIDGE A110/56, MWD - This project funds construction services for the replacement of Bridge A110/56 on Metra's Milwaukee District North Line. The bridge spans over the Chicago River north of Shermer Road in Northbrook at milepost 21.3.	\$23,150,000	•	•	•	•	•	
			5442	BRIDGE A318, MWD	BRIDGE A318, MWD - This project funds the engineering design and construction of a new second-track siding over the North Branch Chicago River in Rondout at milepost 32.4. The new second-track siding will allow for additional train movements through the Fox Lake Subdivision, which runs north-west from Rondout to Fox Lake along the Milwaukee District North Line.	\$2,500,000	•	•	•	•	•	
			86-112	BRIDGE A418	BRIDGE A418 - This project funds the engineering design of a bridge replacement that spans the Mud Creek in Long Lake at milepost 45.8. The project has construction funds in following year to replace the circa 1960 structure on the Fox Lake Subdivision, which runs north-west from Rondout to Fox Lake along the Milwaukee District North Line.	\$6,100,000	•	•	•	•	•	
			5536	BRIDGE AND RETAINING WALLS, BNS	BRIDGE AND RETAINING WALLS, BNS - This project will provide for the rehabilitation of retaining walls on the BNSF commuter line. Retaining wall sections at intermittent locations along the right-of-way will be rehabilitated. This work typically includes complete reconstruction with steel sheet piling, concrete panels or bin wall to prevent retaining wall deterioration that can result in destabilization of the roadbed and in turn lead to track shifting.	\$6,000,000	•	•	•	•	•	
			5540	BRIDGE AND RETAINING WALLS, UPR	BRIDGE AND RETAINING WALLS, UPR - This project will provide for the rehabilitation of retaining walls on the UP commuter line. Retaining wall sections at intermittent locations along the right-of-way typically includes complete reconstruction with steel sheet piling, concrete panels or bin wall to prevent retaining wall deterioration that can result in destabilization of the roadbed and in turn lead to track shifting.	\$3,500,000	•	•	•	•	•	
			5537	BRIDGES, MED	BRIDGES, MED - This project will provide for the rehabilitation of retaining walls on the Metra Electric. Retaining wall sections at intermittent locations along the right-of-way will be rehabilitated. This work typically includes complete reconstruction with steel sheet piling, concrete panels or bin wall to prevent retaining wall deterioration that can result in destabilization of the roadbed and in turn lead to track shifting.	\$1,700,000	•	•	•	•	•	
			5538	BRIDGES, MWD	BRIDGES, MWD - These projects fund the improvement of bridges along the Milwaukee District North and West Lines. These improvements can include rehabilitation items such as timber wingwalls and fencing, cracked bearing blocks and cracked bridge seats on abutments. Specific improvements will be determined based on a survey of field conditions.	\$2,100,000	•	•	•	•	•	
			5542	GRAND AVENUE	GRAND AVENUE - This project funds engineering design services for the replacement of the Grand Avenue Bridge. Three main line tracks utilize the bridge including the Milwaukee District North and West Lines and the North Central Service. The bridge, constructed in 1898, spans over the intersection of Grand Avenue and Homan Avenue at milepost 4.5. Construction funds are provided in future years.	\$16,000,000	•	•	•	•	•	
			5541	STONEY CREEK	STONEY CREEK - This project funds engineering design services for the replacement of the Z 14 C in Chicago. The bridge, constructed in 1903, spans over the intersection of Keystone Avenue bridge at milepost 16.3. Construction funds are provided in future years.	\$7,500,000	•	•	•	•	•	
			86-110	Z14C - KEYSTONE AVENUE	Z14C - KEYSTONE AVENUE - This project funds engineering design services for the replacement of the Z 14 C in Chicago. The bridge, constructed in 1903, spans over the intersection of Keystone Avenue bridge at milepost 16.3. Construction funds are provided in future years.	\$10,600,000	•	•	•	•	•	
			5444	CATENARY STRUCTURE REHAB	CATENARY STRUCTURE REHAB - This project involves the ongoing rehabilitation of various catenary structures on the Metra Electric District Sub Districts, all originating in Chicago: the University Park Sub District, the South Chicago Sub District, and the Blue Island Sub District. This work typically involves rehabilitating structural steel, walkways, and concrete foundation pedestals. The work will depend on the results of condition assessments and the availability of track time to do the rehabilitation.	\$2,250,000	•	•	•	•	•	
			5525	RAIL REPLACEMENT, BNS	RAIL REPLACEMENT, BNS - These projects consist of the installation of continuous welded rail on Metra-owned rail lines and the Union Pacific Rail Lines. Specific locations are to be determined. The existing jointed rail shows increased wear as it nears the end of its service life and it requires periodic replacement to maintain track speeds and on-time performance.	\$4,0						

Service Board	Priority Project	Estimated 10-Year Need for Priority Project	Project ID Number	Individual Capital Project Title	Individual Project Scope	Total 5-Year Funding Programmed	Strategic Goals		Core Requirements			
							Deliver Value on Our Investment	Build on Strengths of Our Network	Stay Competitive	Maintain and Improve Safety and Reliability	Achieve Full Accessibility	Meet Regulatory Requirement
Signal & Electrical Improvements		\$1,200,000,000	CL-104	BI-DIRECTIONAL SIGNALING - 47th-65th STREET	Bi-DIRECTIONAL SIGNALING - 47th-65th STREET - This project consists of installing additional wayside signals with the "current of traffic" and all new wayside signals against the "current of traffic" along with all new rail houses, coded track circuits, and new power equipment for each relay house to permit bi-directional signaling on all four tracks along the Metra Electric District (MED). The 51st Street Interlocking Plant will be moved to 45th Street and upgraded to new solid state controls with an additional new crossover. The interlocking signals are controlled from Metra's new Consolidated Control Facility (CCF).	\$30,000,000			•	•	•	•
			5555	CCF GENERATION	CCF GENERATION - This electrical engineering project at the Consolidated Control Facility (CCF) will fund an Uninterruptible Power Supply (UPS) system comprised of batteries and other equipment will provide backup power supply to the communication system at CCF in case of ComEd power failure.	\$800,000		•	•	•	•	
			5350	COMMUNICATIONS IMPROVEMENTS	COMMUNICATIONS IMPROVEMENTS - This project involves the installation of improved communications equipment throughout the Metra system, including cameras, video equipment, and video back-up. The new equipment will improve operating cost and service reliability by replacing analog equipment with digital equipment.	\$4,000,000		•	•	•	•	
			5556	CONSTANT TENSION CATENARY STUDY	CONSTANT TENSION CATENARY STUDY - This project will fund an engineering study of constant tension technology for the potential application to the Metra Electric (ME) District. The catenary system is currently undergoing extensive rehabilitation. Constant tension technology may be added to the catenary rehabilitation project scope pending the results of this study.	\$750,000		•	•	•	•	
			5331	CROSSINGS (ROAD & TRACK), MED	CROSSINGS (ROAD & TRACK), MED - These projects provide for the renewal of rail highway grade crossings at various locations on the Metra District commuter lines and the Union Pacific Lines. The specific crossings to be renewed will be based on the stage of deterioration at each crossing. The work will include, but not be limited to, replacement of cross ties, crossing material, and ballast, as well as the surfacing of the track.	\$2,250,000		•	•	•	•	
			5332	CROSSINGS (ROAD & TRACK), MWD	CROSSINGS (ROAD & TRACK), MWD - These projects provide for the renewal of rail highway grade crossings at various locations on the Metra District commuter lines and the Union Pacific Lines. The specific crossings to be renewed will be based on the stage of deterioration at each crossing. The work will include, but not be limited to, replacement of cross ties, crossing material, and ballast, as well as the surfacing of the track.	\$3,500,000		•	•	•	•	
			5332	CROSSINGS (ROAD & TRACK), MWD	CROSSINGS (ROAD & TRACK), MWD - These projects provide for the renewal of rail highway grade crossings at various locations on the Metra District commuter lines and the Union Pacific Lines. The specific crossings to be renewed will be based on the stage of deterioration at each crossing. The work will include, but not be limited to, replacement of cross ties, crossing material, and ballast, as well as the surfacing of the track.	\$6,000,000		•	•	•	•	
			5334	CROSSINGS (ROAD & TRACK), RID	CROSSINGS (ROAD & TRACK), RID - These projects provide for the renewal of rail highway grade crossings at various locations on the Metra District commuter lines and the Union Pacific Lines. The specific crossings to be renewed will be based on the stage of deterioration at each crossing. The work will include, but not be limited to, replacement of cross ties, crossing material, and ballast, as well as the surfacing of the track.	\$4,000,000		•	•	•	•	
			5335	CROSSINGS (ROAD & TRACK), UPR	CROSSINGS (ROAD & TRACK), UPR - These projects provide for the renewal of rail highway grade crossings at various locations on the Metra District commuter lines and the Union Pacific Lines. The specific crossings to be renewed will be based on the stage of deterioration at each crossing. The work will include, but not be limited to, replacement of cross ties, crossing material, and ballast, as well as the surfacing of the track.	\$3,000,000		•	•	•	•	
			5151	FIBER OPTIC	FIBER OPTIC - This project consists of the replacement of the coaxial cable and copper cable used to conduct voice and signal data on the Metra Electric District's Main Line. The fiber optic cable will connect to the recent installation on the South Chicago Branch and Blue Island Branch and extend to the downtown terminal. Existing cable will be replaced with fiber optic cable. New cable will be hung on the catenary structures in a manner similar to the existing cable.	\$8,000,000		•	•	•	•	
			5151	FIBER OPTIC	FIBER OPTIC - This project consists of the replacement of the coaxial cable and copper cable used to conduct voice and signal data on the Metra Electric District's Main Line. The fiber optic cable will connect to the recent installation on the South Chicago Branch and Blue Island Branch and extend to the downtown terminal. Existing cable will be replaced with fiber optic cable. New cable will be hung on the catenary structures in a manner similar to the existing cable.	\$29,500,000		•	•	•	•	
			4746	IMPEDANCE BONDS	IMPEDANCE BONDS - This project involves replacing impedance bonds that are damaged, defective, or have insufficient negative return equipment and connections. The impedance bonds are a fundamental part of the track circuit. Impedance bonds control the current path and thus limit the power losses and assure proper function of the protective relays.	\$700,000		•	•	•	•	
			5455	LAKE FOREST CROSSOVERS	LAKE FOREST CROSSOVERS - This project will provide construction funds for the replacement of crossovers in Lake Forest on Metra's Milwaukee District North Line.	\$3,000,000		•	•	•	•	
			5149	LAKE STREET INTERLOCKER	LAKE STREET INTERLOCKER - This project consists of the modernization and upgrading of the Lake Street interlocker at the north end of the Ogilvie Transportation Center (OTC). It will replace track, track beds, switches, switch machines, switch heaters, dwarf signals and signal cable for the remaining facilities. In the future, the interlocking control machine in Lake Street Tower will be replaced by modern equipment.	\$17,000,000		•	•	•	•	
			5557	MED IMPROVEMENT PROJECT	MED IMPROVEMENT PROJECT - This project consists of the upgrade of the Metra Electric track and structure. It is in conjunction with the shared tracks that the Northern Indiana Commuter Railroad is upgrading as part of its New Start project.	\$4,000,000		•	•	•	•	
			5560	MILWAUKEE SIGNALS	MILWAUKEE SIGNALS - NORTH - This project will improve signals from Ronoud to Deerfield on the Milwaukee North Line. The project will include but not be limited to improve pedestrian crossings at the West Forest Station, as well as grade crossing improvements at Everett and Conway roads in Lake Forest. IDOT will be doing improvements in conjunction with this project.	\$10,100,000		•	•	•	•	
			5361	MORGAN INTERLOCKING	MORGAN INTERLOCKING - This project will provide construction funds for the replacement of the Morgan Street Interlocking on Metra's Milwaukee C&M subdivision, the signal system infrastructure between Canal Street and A2 Interlocking. The Morgan St. Interlocker and crossings were originally installed in the early 1960's. The signal system is also affected by the extreme weather conditions common to the Chicago region. It has become extremely difficult in recent years to get parts to make repairs to keep the system operational.	\$3,000,000		•	•	•	•	
			5447	MWD LINE SIGNALS, MWD	MWD LINE SIGNALS, MWD - This project is a multi-year signal replacement project on the Milwaukee West Line. Seven signals will be replaced between Wood Dale and Almora. This is a project in partnership with the Canadian Pacific Railway.	\$15,650,000		•	•	•	•	
			5362	PE 5362 WESTERN INTERLOCKING	PE 5362 WESTERN INTERLOCKING - This project will provide construction funds for the replacement of the Western Avenue Interlocking at Vermont and Grove Street. In Metra's Rock Island District, the signal system infrastructure at Western Avenue Junction interlocker has become obsolete. The interlocking was originally installed in the early 1960's.	\$6,000,000		•	•	•	•	
			5352	SIGNAL STANDARDS	SIGNAL STANDARDS - This project provides engineering design services for Centralized Train Control north of A5 on the Milwaukee District North Line. The project will allow the Signal Engineering department to create a cell library to expedite design and cost estimates of signal projects.	\$550,000		•	•	•	•	
			5551	SIGNAL SYSTEM IMPROVEMENTS, MED	SIGNAL SYSTEM IMPROVEMENTS, MED - This project will replace various signal infrastructure such as junction boxes, electrical cabinets, wiring, LED lights, and other essential components on an as-needed basis. Locations and scope of work are determined upon routine inspection or failure.	\$4,500,000		•	•	•	•	
			5552	SIGNAL SYSTEM IMPROVEMENTS, MWD	SIGNAL SYSTEM IMPROVEMENTS, MWD - This project will replace various signal infrastructure such as junction boxes, electrical cabinets, wiring, LED lights, and other essential components on an as-needed basis. Locations and scope of work are determined upon routine inspection or failure.	\$4,000,000		•	•	•	•	
			5553	SIGNAL SYSTEM IMPROVEMENTS, RID	SIGNAL SYSTEM IMPROVEMENTS, RID - This project will replace various signal infrastructure such as junction boxes, electrical cabinets, wiring, LED lights, and other essential components on an as-needed basis. Locations and scope of work are determined upon routine inspection or failure.	\$4,500,000		•	•	•	•	
			5388	SMART GATES	SMART GATES - This initial project will pilot and test a set of "smart gates" to be installed at highway-rail grade crossings in Blue Island, IL along the Rock Island District. The smart gates project will apply new, innovative crossings that utilize cameras, sensors, and artificial intelligence to constantly monitor the crossing gate, signals, and guideway intrusions. When a monitor detects an anomaly, the system will send notice to the back office and dispatch a signal maintainer to perform repairs. The project will eventually go systemwide.	\$27,000,000		•	•	•	•	
			5454	SUBSTATION IMPROVEMENTS (JACKSON)	SUBSTATION IMPROVEMENTS (JACKSON) - This project will fund the replacement and expansion of the Jackson Substation along the Metra Electric (ME) District. The rectifiers are several decades old, difficult to repair due to lack of spare components, and they have long exceeded their useful life. This project is a prerequisite for additional service on the tracks leading into Van Buren St. Station.	\$19,200,000		•	•	•	•	
			5554	SWITCH LAYOUT STANDARDS	SWITCH LAYOUT STANDARDS - This multi-year project will standardize the layout of switches on the Metra Electric, Rock Island and Milwaukee North and West lines.	\$5,528,000		•	•	•	•	
Metra		\$853,000,000	EC-103	103rd ST. ROSEMOOR STATION	103rd ST. ROSEMOOR STATION - This project will completely renovate the 103rd St. Rosemoor station facility in Chicago. The project scope includes the repair or replacement of aging shelter enclosures, station lighting upgrades, and platform renovation work. Additional project elements may include, but are not limited to, sidewalk repairs, upgraded bike facilities, landscape enhancements, benches, repairs, and other related work as needed.	\$5,500,000		•	•	•	•	
			4479	59th/60th ST. (U. OF CHICAGO) STATION	59th/60th ST. (U. OF CHICAGO) STATION - This project consists of the complete rehabilitation of the 59th/60th Street (U. of Chicago) station facility in Chicago along the Metra Electric Line. As part of the project, the 60th Street entrance will be reopened. Additional project elements include, but may not be limited to, lighting, sidewalk, bike facilities, landscape enhancements and other related work. The project will leverage \$2,500,000 from the University of Chicago.	\$18,000,000		•	•	•	•	
			5182	79th ST. (CHATHAM) STATION	79th ST. (CHATHAM) STATION - This project consists of the complete rehabilitation of the 79th St. (Chatham) station facility in Chicago along the Metra Electric. The project scope includes the repair or replacement of aging shelter enclosures, station lighting upgrades, and platform renovation work. Additional project elements may include, but are not limited to, sidewalk repairs, upgraded bike facilities, landscape enhancements, benches, repairs, and other related work as needed.	\$5,000,000		•	•	•	•	
			5584	BICYCLE PARKING	BICYCLE PARKING - Metra was awarded CMAQ grants for the purchase and installation of bicycle parking facilities at stations across the system. Specific locations are to be determined.	\$306,000		•	•	•	•	
			EC-116	CONGRESS PARK STATION	CONGRESS PARK STATION - This project will fund a significant rehabilitation of the Congress Park station facility in Brookfield. The project scope includes the repair or replacement of aging shelter enclosures, station lighting upgrades, and platform restoration work. A new enclosed station house will be constructed with doors and on-demand heaters for inclement weather. The pedestrian tunnel will be repaired and rescaled and at intermittent sections of a retaining wall will be rehabilitated. Additional project elements may include, but are not limited to, sidewalk repairs, upgraded bike facilities, landscape enhancements, entrances, stairs, and other related work as needed.	\$6,000,000		•	•	•	•	
			5558	DOWNTOWN PUBLIC ADDRESS SYSTEM	DOWNTOWN PUBLIC ADDRESS SYSTEM - This project consists of purchasing public address (PA) equipment that will be used at various locations in Metra's downtown Chicago terminals. The new PA system will be designed to comply with the Americans with Disabilities Act (ADA).	\$3,000,000		•	•	•	•	
			5478	ELEVATOR REPLACEMENT	ELEVATOR REPLACEMENT - This project will replace or renovate elevators at various stations across the Metra system.	\$7,150,000		•	•	•	•	
			5384	ELMHURST STATION	ELMHURST STATION - This project will fund Metra's portion of a larger station renovation/expansion in Elmhurst. It will leverage CMAQ funds obtained by the Village of Elmhurst to construct a larger station to accommodate the growing ridership.	\$2,000,000		•	•	•	•	
			EC-113	EVANSTON DAVIS STREET	EVANSTON DAVIS STREET - This project will completely rehabilitate the Evanston (Davis St. station) facility in downtown Evanston. The project scope includes extensive repairs to the station depot and platform shelters, station lighting upgrades, and platform renovation work. Retaining wall sections at intersecting locations along the right-of-way may be repaired as needed. Additional project elements may include, but are not limited to, sidewalk repairs, upgraded bike facilities, landscape enhancements, benches, repairs, and other related work as needed.	\$20,000,000		•	•	•	•	
			EC-110	GLEN ELYNN STATION	GLEN ELYNN STATION - This project will fund repairs at the Glen Elynn station facility. The project scope may include, but are not limited to, depot repairs, entrance stairs repairs, and new signage. Additional project elements may include, but are not limited to, sidewalk repairs, upgraded bike facilities, landscape enhancements, bench repairs, station lighting upgrades, and other related work as needed.	\$4,000,000		•	•	•	•	
			EC-121	HICKORY CREEK STATION	HICKORY CREEK STATION - This project will rehabilitate the Hickory Creek station in Mokena. The project will fund the repair of the depot on the station facilities. Platform work may be included as needed. Additional project elements may include, but are not limited to, sidewalk repairs, upgraded bike facilities, landscape enhancements, entrance staircase repairs, and other related work as needed.	\$500,000		•	•	•	•	
			EC-118	HIGHLANDS STATION	HIGHLANDS STATION - This project will renovate the Highlands station in Hinsdale. The project scope includes the repair or replacement of aging shelter enclosures, station lighting upgrades, and platform renovation work as needed. Additional project elements may include, but are not limited to, sidewalk repairs, upgraded bike facilities, landscape enhancements, and other related work as needed.	\$500,000		•	•	•	•	
			4782	HUBBARD WOODS STATION	HUBBARD WOODS STATION - This project includes the rehabilitation of the historic north head house, replacement of the platforms, construction of a pedestrian bridge, installation of elevators to the platforms and platform shelters. Design engineering services for the station rehabilitation is currently underway.	\$8,000,000		•	•	•	•	
			EC-122	KENILWORTH STATION	KENILWORTH STATION - This project will rehabilitate the Kenilworth station facility. The project scope includes extensive repairs to the station depot, including tuckpointing, masonry restoration, and roof tile repairs. Additional project elements may include, but are not limited to, sidewalk repairs, upgraded bike facilities, landscape enhancements, entrance staircase repairs, and other related work as needed.	\$7,000,000		•	•	•	•	
			5567	MILLENNIUM STATION BOILERS	MILLENNIUM STATION BOILERS - The five (5) existing boilers and associated equipment are at the end of their useful life. Three boilers are non-functional and the other two perform below standard.	\$2,180,000		•				

Service Board	Priority Project	Estimated 10-Year Need for Priority Project	Project ID Number	Individual Capital Project Title	Individual Project Scope	Total 5-Year Funding Programmed	Strategic Goals		Core Requirements		
							Deliver Value on Our Investment	Build on Strengths of Our Network	Stay Competitive	Maintain and Improve Safety and Reliability	Achieve Full Accessibility
Metra	Yards, Facilities, and Equipment Improvements		5565	YARD IMPROVEMENTS, RID	YARD IMPROVEMENTS, RID - This project will provide design and construction funds for yard improvement projects at Rock Island District yard facilities. This project involves, but is not limited to, replacing ties, crosswalks and platforms with steel grated platforms.	\$2,000,000	•	•	•	•	•
			5566	YARD IMPROVEMENTS, UPR	YARD IMPROVEMENTS, UPR - This project involves, but is not limited to, replacing ties, crosswalks and platforms with steel grated platforms. Metra will purchase and install a wheel truing machine. The machine slowly rotates and grinds the surface of the rail car wheel to make them smooth and even.	\$4,400,000	•	•	•	•	•
	Chicago Union Station Improvements	\$500,000,000	5457	CUS INTERLOCKERS	CUS INTERLOCKERS - This project involves the modernization and upgrading of outmoded interlockers at the north and south ends of Chicago Union Station (CUS). The project will include, but not be limited to, new rail, ties, and ballast as needed. The cost of the project will be shared by Metra and Amtrak.	\$2,000,000	•	•	•	•	•
	Uncategorized Projects - Metra		5506	COVID-19 MODIFICATIONS	COVID-19 MODIFICATIONS - This project will fund miscellaneous expenses for COVID-19 related modifications made to rolling stock and cab cars. The project may include, but is not limited to, modifications to cab car interiors, installation of additional hand sanitizers on trains, replacing advanced air filters, purchasing new cleaning devices, and applying informational signage and decals in cars.	\$26,800,000	•	•	•	•	•
			5590	INFRASTRUCTURE ENGINEERING, BNS	INFRASTRUCTURE ENGINEERING, BNS - The project funds various engineering responsibilities for capital projects. Metra's Engineering Department as well as consultant engineers provide support to capital projects. The associated professional consultant services include design engineering and/or construction management in the areas of civil, structural, electrical, mechanical, signal, communications and environmental engineering.	\$700,000	•	•	•	•	•
			5591	INFRASTRUCTURE ENGINEERING, MED	INFRASTRUCTURE ENGINEERING, MED - This project funds various engineering responsibilities for capital projects. Metra's Engineering Department as well as consultant engineers provide support to capital projects. The associated professional consultant services include design engineering and/or construction management in the areas of civil, structural, electrical, mechanical, signal, communications and environmental engineering.	\$1,800,000	•	•	•	•	•
			5595	INFRASTRUCTURE ENGINEERING, MET	INFRASTRUCTURE ENGINEERING, MET - This project funds various engineering responsibilities for capital projects. Metra's Engineering Department as well as consultant engineers provide support to capital projects. The associated professional consultant services include design engineering and/or construction management in the areas of civil, structural, electrical, mechanical, signal, communications and environmental engineering.	\$1,550,000	•	•	•	•	•
			5592	INFRASTRUCTURE ENGINEERING, MWD	INFRASTRUCTURE ENGINEERING, MWD - This project funds various engineering responsibilities for capital projects. Metra's Engineering Department as well as consultant engineers provide support to capital projects. The associated professional consultant services include design engineering and/or construction management in the areas of civil, structural, electrical, mechanical, signal, communications and environmental engineering.	\$1,800,000	•	•	•	•	•
			5593	INFRASTRUCTURE ENGINEERING, RID	INFRASTRUCTURE ENGINEERING, RID - This project funds various engineering responsibilities for capital projects. Metra's Engineering Department as well as consultant engineers provide support to capital projects. The associated professional consultant services include design engineering and/or construction management in the areas of civil, structural, electrical, mechanical, signal, communications and environmental engineering.	\$1,800,000	•	•	•	•	•
			5594	INFRASTRUCTURE ENGINEERING, UPR	INFRASTRUCTURE ENGINEERING, UPR - This project funds various engineering responsibilities for capital projects. Metra's Engineering Department as well as consultant engineers provide support to capital projects. The associated professional consultant services include design engineering and/or construction management in the areas of civil, structural, electrical, mechanical, signal, communications and environmental engineering.	\$1,600,000	•	•	•	•	•
			5573	IT COMPONENTS & SERVICES	IT COMPONENTS & SERVICES - Purchases various pieces of equipment that will be utilized at Metra Headquarters and outlying Metra facilities. Purchases may include, but are not limited to, replacement of obsolete information technology infrastructure, upgrade network switches, computers and printers, copiers, new and replacement servers, financial system software, and other software.	\$4,523,000	•	•	•	•	•
			5559	SYSTEMWIDE CAMERAS	SYSTEMWIDE CAMERAS - This project consists of adding up to 600 cameras per year throughout the Metra system. Upon completion of fiber optic installation on the Rock Island and Southwest Service, 1300 cameras will be installed at all grade crossings and the 23 existing depots. This is a multi-year project.	\$1,400,000	•	•	•	•	•
			ICE	ICE To Be Determined	(blank)	\$9,065,189	•	•	•	•	•
	Administration - Metra		5499	CONTINGENCIES	CONTINGENCIES - This project will fund both emergencies and unanticipated capital needs that arise throughout the course of the program year. Items covered require immediate attention and cannot wait for inclusion in the budget for the forthcoming program year. Contingencies are necessary to fund emergency activities to prevent project and service delays.	\$7,278,943	•	•	•	•	•
			4852	FINANCIAL SYSTEM REPLACEMENT	FINANCIAL SYSTEM REPLACEMENT - Purchases various information technology services, software, and equipment for use by Metra staff. The project will procure an Enterprise Resource Planning (ERP) system to upgrade the management software used by the Grant Management and Accounting divisions. Office equipment purchases will include computers, hand held devices, and data storage equipment that will be utilized at Metra's headquarters and offices at yard locations.	\$1,000,000	•	•	•	•	•
			5572	OFFICE EQUIPMENT	OFFICE EQUIPMENT - This project provides funds for the purchase of Automatic Passenger Counters to be installed on Metra railcars. APCs will be used for real-time counting of ridership on Metra lines.	\$1,100,000	•	•	•	•	•
			5489	PROGRAM MANAGEMENT	PROGRAM MANAGEMENT - This project will fund the professional services of a consultant team to provide additional program management capacity made necessary by the extra funding from the state of Illinois.	\$40,000,000	•	•	•	•	•
			5589	PROJECT ADMINISTRATION	PROJECT ADMINISTRATION - This project funds the activities associated with the administration of capital grants and the projects in those grants. This includes only those labor, fringe and overhead costs covered by Metra's cost allocation plan. Examples of the types of activities associated with the administration of capital grants are budget revisions, requisitions, quarterly reports and reconciliation of expenses done at project closeout. Metra funds associated with capital grant administration are recognized as capitalized costs under Generally Accepted Accounting Principles (GAAP).	\$3,750,000	•	•	•	•	•
			5488	PROJECT DEVELOPMENT	PROJECT DEVELOPMENT - This project will allow Metra to undertake studies to advance major capital projects and secure grant funding.	\$2,000,000	•	•	•	•	•
			5195	TRANSIT ASSET MANAGEMENT	TRANSIT ASSET MANAGEMENT - This project funds the continuation of Metra's comprehensive asset assessment. This phase will consist of hiring a consultant to assist with the monitoring and implementation of Metra's Transit Asset Management Plan as required by the Federal Transit Administration.	\$10,300,000	•	•	•	•	•
	PTC - systemwide		5###	PTC RENEWAL (ENGINEERING)	PTC RENEWAL (ENGINEERING) - This project will fund the second phase of Positive Train Control (PTC). Project funds will update equipment and PTC components in the guideway and signal system that communicate with on-board PTC components.	\$10,000,000	•	•	•	•	•
			5505	PTC RENEWAL (MECHANICAL)	PTC RENEWAL (MECHANICAL) - This project will fund the second phase of Positive Train Control (PTC). Project funds will update on-board equipment and parts in locomotives and cabin cars that communicate with the guideway PTC system.	\$5,600,000	•	•	•	•	•
Pace	Fixed Route Buses - Replacement	\$316,300,000	5600	Replacement diesel buses (40')	Replacement diesel buses (40') - Pace plans to replace 78 diesel buses including any associated equipment (cameras, destination signs, etc.) and services (Buy America audit and inspections).	\$39,000,000	•	•	•	•	•
			5601	Replacement CNG buses	Replacement CNG buses - Pace plans to replace 115 diesel buses with 40' Compressed Natural Gas (CNG) buses including any associated equipment (cameras, destination signs, etc.) and services (Buy America audit and inspections) for the future Northwest Division garage in Wheeling, currently being designed as a CNG fueling facility.	\$63,250,000	•	•	•	•	•
			5602	Coach Buses	Coach Buses - Pace plans to replace 13 40' diesel coach buses, including any associated equipment (cameras, destination signs, etc.) and services (Buy America audit and inspections) for the I-55 Bus on Shoulder service.	\$9,750,000	•	•	•	•	•
	Associated Capital Maintenance Items	\$111,680,000	5606	Engine/Transmission Retrofits & Associated Capital	Engine/Transmission Retrofits & Associated Capital - Replacement of engines and transmissions at a unit cost of \$160,000 per bus and \$8,000 per paratransit vehicle, and associated capital (radiator, pumps, alternator, filters, belts, compressors, coils, shafts, modules, clamps, heaters, turbochargers, etc.).	\$55,096,131	•	•	•	•	•
	Fixed Route Buses - Expansion	\$94,889,000	5601	Expansion CNG buses	Replacement CNG buses - Pace plans to replace 115 diesel buses with 40' Compressed Natural Gas (CNG) buses including any associated equipment (cameras, destination signs, etc.) and services (Buy America audit and inspections) for the future Northwest Division garage in Wheeling, currently being designed as a CNG fueling facility.	\$9,900,000	•	•	•	•	•
	Pulse Infrastructure	\$84,525,000	5633	Pulse Dempster Line Easements	Pulse Dempster Line Easements - To conduct utility and construction work in the Dempster corridor for Pulse stations. Dempster Line is 15 miles in length and will include connections to other Pace and CTA bus routes, the CTA Yellow and Purple lines, as well as to Metra's Union Pacific North, Northwest and North Central Service rail lines. Construction of stations (related project 5426) is funded with 2019 CMAQ.	\$600,000	•	•	•	•	•
	Improve Support Facilities	\$58,925,000	5620	Improve Support Facilities	Improve Support Facilities - Facilities maintenance of existing building structures, systems, asphalt/concrete, etc.	\$3,500,000	•	•	•	•	•
			5623	North Shore Division Expansion	North Shore Division Expansion - A/E design and construction to renovate and expand Pace's North Shore Division bus garage.	\$20,000,000	•	•	•	•	•
			5624	Southwest Division Expansion	Southwest Division Expansion - A/E design and construction to renovate and expand Pace's Southwest Division bus garage.	\$18,000,000	•	•	•	•	•
	Paratransit Vehicles - Replacement	\$55,300,000	5603	Paratransit Vehicles	Paratransit Vehicles - Pace plans to purchase 298 replacement vehicles (22'-25' cutaway) including associated equipment (cameras, destination signs, etc.) and services (Buy America audit and inspections) for paratransit services.	\$20,992,833	•	•	•	•	•
	Security, Computer, Software, and Office Systems Upgrades	\$50,500,000	5621	Computer Systems/Hardware & Software	Computer Systems/Hardware & Software - Projects in 2021 include upgrades, licenses, and training for Hastus route-scheduling software, RideCheck ridership data software, ArcGIS software, and the Pace website. Procurement of digital screens for the interior of buses is also included.	\$5,100,000	•	•	•	•	•
			5625	Office Equipment/Furniture	Office Equipment/Furniture -	\$500,000	•	•	•	•	•
	Bus on Shoulder (BoS) Infrastructure	\$35,000,000	5635	I-294 Stations and Park-n-Rides	I-294 Stations and Park-n-Rides : The Illinois Tollway is planning to add a Flex Lane on 22 miles of I-294, and infrastructure is needed to make connections to the transit system. Pace is currently conducting market analysis and workshops for this project.	\$35,000,000	•	•	•	•	•
	Pedestrian Infrastructure/Shelters/Signs	\$33,980,000	5631	Bus Stop Shelters	Bus Stop Shelters - Engineering drawings, manufacture, and installation of bus stop shelters, concrete pads, and benches, including a heated bus shelter at the Waukegan Metra station.	\$5,330,000	•	•	•	•	•
			5632	Bus Tracker Signs	Bus Tracker Signs - Production of new electric signs and associated installation costs to provide real-time bus information to riders. In 2021, ten will be replacements for Pulse Milwaukee Line verticle markers, while an additional ten will be for new locations.	\$3,650,000	•	•	•	•	•
	Vanpool Vehicles - Replacement	\$33,560,000	5605	Vanpool Vehicles	Vanpool Vehicles - Pace plans to purchase 164 replacement 17'-20' vans including associated equipment and services (Buy America audit and inspections) for vanpool services.	\$6,560,000	•	•	•	•	•
	Support Equipment/Non-Revenue Vehicles	\$22,850,000	5622	Support Equipment/Non	Support Equipment/Non-Revenue Vehicles - Projects in 2021 include the purchase of 18 compact SUVs and one minivan with wheelchair ramp.	\$2,350,000	•	•	•	•	•
	Improve Passenger Facilities - Transportation Centers	\$20,900,000	5630	Improve Passenger Facilities	Improve Passenger Facilities - Fabrication of a new Ventra machine for the O'Hare multimodal facility in 2021. Future renovations are being evaluated for Burr Ridge & Hillside Park-n-Rides, Chicago Heights Transfer Center, Riverdale Bus Turnaround, and Gurnee Mills Transporation Center.	\$12,594,620	•	•	•	•	•
	Intelligent Bus System (IBS) Replacement	\$20,500,000	5611	Intelligent Bus System	Intelligent Bus System - Project includes replacement Automatic Passenger Counter equipment (450), routers (600), Apollo cameras (650), IBS servers (8) & software, Storage Area Networks (2), dispatch radios (22), mobile radios (70), Integrated Vehicle Logic Unit Mobile Data Terminals (800), Tete data radios (800), Motorola voice radios (800), and data tower Radio Network Controller equipment (11).	\$6,250,000	•	•	•	•	•
	Community Vehicles - Replacement	\$18,750,000	5604	Community Transit/On Demand Vehicles	Community Transit/On Demand Vehicles - Pace plans to purchase 89 replacement vehicles (17'-20' vans and 21'-23' cutaways) including associated equipment (cameras, destination signs, etc.) and services (Buy America audit and inspections) for Community Transit and On Demand services.	\$6,675,000	•	•	•	•	•
	Construct New Support Facilities	\$18,300,000	5313	Northwest Wheeling Garage	Northwest Wheeling Garage - Completion of the renovation of a 430,000 square feet bus storage and maintenance facility in Wheeling that will replace Pace's Northwest Division garage in Des Plaines. This CNG fueling facility will house approximately 133 buses with 17 maintenance bays and administrative offices. Pace has executed an I.G.A. with Northern Builders and the village of Plainfield to construct the project.	\$10,000,000	•	•	•	•	•
	Improve Passenger Facilities - Park-n-Ride Lots	\$14,200,000	5634	I-55 Park-n-Rides	I-55 Park-n-Rides: A/E design and expansion of existing (Bolingbrook, Burr Ridge, Romeoville) and/or construction of new park-n-ride facility.	\$8,300,000	•	•	•	•	•
	Regional Transit Signal Priority (RTSP)	\$14,000,000	5610	Transit Signal Priority Integration	Transit Signal Priority Integration - TSP implementation along priority corridors as part of the Regional Transit Signal Priority Implementation Program. Pace plans to deploy TSP along nine additional corridors at approximately 300 signalized intersections. The corridors include: 159th Street, Sibley Boulevard/147th Street, Roosevelt Road, Cicero Avenue, 95th Street, Grand Avenue (Lake County), Cermak Road, I-90 Transit Corridor Access Intersections and Halsted Street. This form represents the portion of the project funded with PAYGO in 2024. Years 2021-2023 of TSP related projects are funded with ICE funds as shown in Exhibit I.	\$2,000,000	•	•	•	•	•
	Farebox System	\$13,250,000	5413	Farebox System Replacement	Farebox System Replacement - Over 700 fareboxes on Pace fixed route buses will be replaced, with prior PAYGO funding of \$7.5M from 2020 included.	\$4,407,729	•	•	•	•	•
	Paratransit Vehicles - Expansion	\$13,000,000	None	(No Projects Programmed)	(No Projects Programmed)	-	•	•	•	•</	



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