

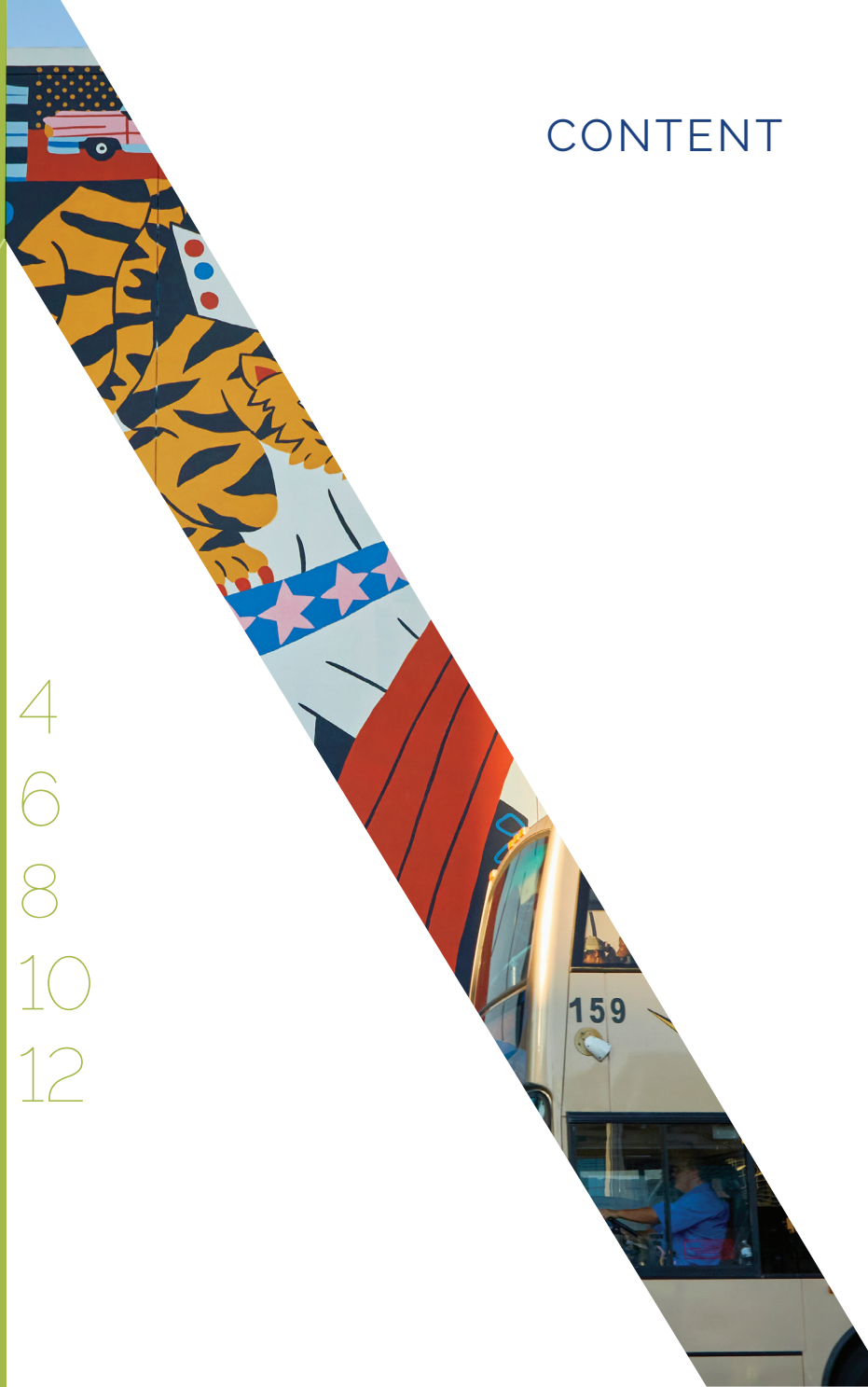
2023

# ACCOMPLISHMENTS REPORT



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I'll be frank – 2023 was a challenging year.

While the pandemic feels like a distant memory, our community still experiences its lingering effects. From inflation to supply chain issues, to the rising costs in labor and safety and security challenges, the RTC along with our community faced many hurdles last year impacting our residents, business, services and customers.

Despite this, it was also a year of triumphs as we continued to work tirelessly with you and our community to help provide reliable, sustainable, efficient, and safe transportation options.

Proudly, we provided nearly 50 million transit trips during the year, including specialized services to veterans, disabled persons, seniors, and students. Our popular **Game Day Express** service grew to new heights, **transporting more than 170,000 local sports fans to hometown games**, taking thousands of cars off the road. We know that every day, tens of thousands of Southern Nevadans depend on us to get to work, to school, to medical appointments and more. And every day, we are driven by the mission to keep Southern Nevadans connected and moving forward.

On the infrastructure front, we funded **51 new projects valued at \$345 million** during 2023 and saw the completion of 56 others valued at \$136 million. As the funding agency for our community's transportation infrastructure, we made progress in 2023 on such high-profile projects including improvements to Boulder Highway and Charleston Boulevard, while we continued to make preparations to add a Bus Rapid Transit Line to Maryland Parkway. While we know that construction can be frustrating to motorists because of the traffic delays it causes, improvements to our roadways and infrastructure have long-term benefits that ensure our entire community continues to grow and thrive.

As our region has evolved to offer more major events, including professional sports and large-scale music festivals, the RTC remains an active member of a regional event management team that works with law enforcement, venue representatives, event organizers and professional sports leagues to plan for and mitigate traffic. Our team provided hundreds of hours of support and expertise to help manage traffic during Formula 1 Las Vegas Grand Prix, and we are planning to do the same for Super Bowl LVIII.

In our pursuit of a zero-emission fleet by 2050, 2023 marked a major milestone year as we introduced **four battery electric buses and the state's first hydrogen fuel cell electric buses**. To support these new buses, we completed construction of two plug-in charging stations, and we are completing design of our fueling infrastructure for our hydrogen fuel cell buses that will eventually support up to 50 vehicles.

As we welcome the new year, we remain laser focused on our vision to provide transformative mobility solutions that will keep our community connected safely, efficiently, and sustainably, an audacious responsibility that requires a united team and regional collaboration. Thank you to the RTC board, our elected leaders, employees, contractors, bus operators and mechanics, customers, and key stakeholders, who, together, understand the value of working together to keep Southern Nevada moving.

LET'S GO, TOGETHER!

M.J. Maynard  
Chief Executive Officer  
Regional Transportation Commission of Southern Nevada



# SAFETY

## ENHANCED SECURITY SERVICES FOR CUSTOMERS AND DRIVERS

Increased the security budget by \$5 million that funded an additional 33 security officers and doubled the number of patrol vehicles to 16. Overall security incidents decreased by 12 percent while transit ridership increased by 21 percent.

## SLIM LINE SHELTERS & SOLAR LIGHTING

Installed 731 total slim line shelters and standalone lights to enhance safety for customers waiting at bus stops.

## NANO PANIC BUTTONS

Partnered with bus operators to test a GPS-based panic button pilot. In the next few months, 500 panic buttons will be provided to all bus operators.

## PEDESTRIAN COLLISION AVOIDANCE SYSTEM

Awarded a federal grant for a Pedestrian Collision Avoidance System that will fund equipment that will be installed on the exterior of buses to detect pedestrians, cyclists and other vulnerable road users. The system is expected to go live in 2024.

## INCIDENT MANAGEMENT

Traffic management team supported 12,586 traffic incidents including crashes, road hazards, vehicles on fire, police activity and wrong-way drivers on Southern Nevada freeways and streets.

## ADVANCED INTERSECTION ANALYTICS

Kicked off three six-month pilots on advanced intersection analytics that will provide trends and patterns associated with red light running and near-miss incidents. Results will better inform how we work with our safety partners to understand if education, engineering, or enforcement can be implemented to mitigate these high incident trends.

## LIDAR ROADWAY INVENTORY

Completed a detailed inventory of more than 1,750 miles of pedestrian facilities across Southern Nevada utilizing LiDAR technology. The project's final products, released in early 2023, include interactive maps and a LiDAR point cloud database, which can be used not only to identify sidewalk gaps, but also assess Americans with Disabilities Act (ADA) accessibility and potential safety concerns to program into future projects. A subsequent study will use the data to evaluate gaps and barriers in the sidewalk network to access bus stops.

## SAFE STREETS FOR ALL ACTION PLAN

Awarded a \$1,508,000 grant for Safe Streets and Roads for All to develop a regional action plan to prioritize equitable mobility projects that increase safety for vulnerable roadway users, such as pedestrians and cyclists. The plan will employ cost-effective, impactful strategies to significantly reduce traffic deaths in Southern Nevada by solving for the most significant safety factors, including speed, roadway design and lighting. The plan will prioritize projects, policies, and programs for immediate implementation.

## WALK AUDIT PLAN IMPLEMENTATION

Partnered with the Southern Nevada Health District to develop an action plan and a website to describe roles, priority locations, community engagement approaches, checklists, and reporting methods for ongoing walk audits, as dictated by Assembly Bill 343. A walk audit and one of the region's first-ever bicycling audits were completed as part of the Henderson College Area Livable Centers project. Three other walk audits were also completed.

## LARGEST NATIONAL FIXED-ROUTE TRANSIT CONTRACT

Collaborated closely with multiple departments to consolidate the fixed-route transit contract from two vendors to one, making it the largest fixed-route transit contract in the nation.

TRANSIT RIDERSHIP  
INCREASED BY  
**21%**

OVERALL SECURITY  
INCIDENTS DECREASED BY  
**12%**



completed a detailed  
inventory of more than

1,750 miles  
OF PEDESTRIAN  
FACILITIES

# SERVICE

170,627  
PASSENGER TRIPS

73 Raiders, UNLV  
football, and  
Golden Knights games

REDUCING  
MORE THAN  
108,000  
VEHICLE TRIPS

## GAME DAY EXPRESS

Provided 170,627 passenger trips for game day express services to a combined 73 Las Vegas Raiders, UNLV Football, and Vegas Golden Knights games helping to reduce more than 108,000 vehicle trips, in partnership with Clark County.

## CLARK COUNTY SCHOOL DISTRICT PARTNERSHIP

Partnered with the Clark County School District to provide 227,545 trips via traditional bus and microtransit service to qualifying students from 20 participating high schools. The Ride On Program fills in the gaps and helps to alleviate pressure for the district's operations of its own bus service.

## RTC-ONDEMAND MICROTRANSIT

Provided 80,217 microtransit trips with a 95-percent on-time performance. This is a 59-percent increase from the previous year and a 347-percent growth since the program launched in November 2021.

## MARYLAND PARKWAY BUS RAPID TRANSIT

Completed final design for the Maryland Parkway Bus Rapid Transit (BRT) project. The RTC applied for the Small Starts funding under the Capital Investment Grants Program with the Federal Transit Administration (FTA), which granted the project \$150 million in March 2023.

## CHARLESTON BOULEVARD RAISE GRANT

Received a \$5.8 million discretionary Federal Transit Administration Rebuilding American Infrastructure with Sustainability and Equity (RAISE) grant to plan for future high-capacity transit along Charleston Blvd. The \$10 million project, which includes over \$4 million in local funding, will be dedicated to completing the community outreach, planning, preliminary engineering, and environmental clearance phases.

## AREAS OF PERSISTENT POVERTY PROGRAM

Received a \$630,000 Federal Transit Administration (FTA) Areas of Persistent Poverty (AoPP) grant that will be used to identify priority locations for mobility hubs, with corresponding improvements for all road users and new transit amenities to enhance multimodal access in disadvantaged neighborhoods. The study area is focused around downtown Las Vegas, downtown North Las Vegas, and the east side, all of which have high transit-dependent populations and are disproportionately affected by climate and environmental impacts, chiefly transportation safety and extreme heat.



## REIMAGINE BOULDER HIGHWAY – REGIONAL INFRASTRUCTURE ACCELERATOR & TOD PLANNING GRANT

Submitted a successful \$2 million application for federal funding through the Build America Bureau's Regional Infrastructure Accelerators (RIA) program to continue implementation of Reimagine Boulder Highway. Through this effort, environmental analysis and preliminary engineering of the northern half of the Boulder Highway corridor will be initiated. RTC will coordinate with the Nevada Department of Transportation, Clark County, and the City of Las Vegas on the project, which will ready the northern half of the corridor for center-running bus rapid transit.

Received a \$560,000 Federal Transit Administration transit-oriented development (TOD) planning grant to study and plan for TOD on Boulder Highway. This study will be completed in partnership with the City of Henderson and will specifically look to better align land use plans with the Reimagine Boulder Highway project, which will construct center-running bus rapid transit on Boulder Highway.

## HEALTH AND SOCIAL SERVICE POP-UPS

Partnered with health and social service providers to host nine pop-up events at the Bonneville Transit Center (BTC) to increase access to essential resources for low-income and vulnerable populations. Three Project Homeless Connect events served nearly 800 customers, and six fresh produce pop-up markets sold 2,100 pounds of fresh, low-cost fruits and vegetables. Pop-up partners included the Nevada Homeless Alliance, Opportunity Village, Southern Nevada Health District, and Prevail Marketplace.

## TRAVEL SURVEYS

Completed three key large-scale travel surveys that will inform a new regional Travel Demand Model under development as part of the Regional Transportation Plan. Collectively, the Household Travel Survey, Visitor Travel Survey, and Transit Origin and Destination Survey gather critical data that allow planners and engineers to forecast regional transportation needs resulting from land use changes, implementation of transportation projects, and potential air quality impacts.

## TRAFFIC MANAGEMENT CONTRACT FOR EQUIPMENT INSTALLATION, REPAIR, AND MAINTENANCE

Collaborated with jurisdictional partners to begin the repair or replacement of damaged or broken traffic infrastructure throughout the valley.

## TRAFFIC SIGNAL RETIMING

Retimed 363 traffic signals on 29 unique segments of roadway, resulting in overall improvements in travel times during the weekday morning, mid-day and afternoon peak hours.

## TRAFFIC MANAGEMENT PUBLIC ENGAGEMENT

Posted 3,679 unique messages on freeway dynamic message signs. Sent 10,595 traffic alerts via text, email, and messages in the Waze navigation app. Interacted with the public through an average of 850 calls per month. Responded to more than 1,200 media calls pertaining to traffic cameras.



**3,679**  
UNIQUE MESSAGES

**10,595**  
TRAFFIC ALERTS

**1,200**  
MEDIA CALLS

## BOND ISSUANCE

Issued \$200 million in tax-exempt Motor Vehicle Fuel Tax highway revenue bonds and \$100 million in tax-exempt Sales and Excise Tax revenue bonds. All bond proceeds will be used to fund Streets and Highways construction and improvement projects in coordination with local entities.

## ZERO FINDINGS ON NUMEROUS AUDITS

Achieved zero findings on numerous audits: Component Unit Financial Statements; Single Audit; Fuel Revenue Indexing Agreed-Upon Procedures; pandemic stimulus funds audit by the Office of the Inspector General; sample test of pandemic stimulus funding in a Federal Transit Administration Region 9 audit; and National Transit Database audit.

## BOND RATING

Received a Sales Tax Revenue Bond rating increase from Standard and Poor's Rating Service from AA to AA+.

## PURCHASE ORDERS

Issued 563 purchase and change orders totaling over \$327 million and executed 101 agenda items.

## CAPITAL PROJECT DELIVERY

The Capital Improvement Program (CIP) for RTC-funded roadway and trail projects consists of 646 projects that are programmed by RTC member agencies from fiscal year 2024 to fiscal year 2033 and valued at \$2,225,320,495. At the end of the year, there were 287 open interlocal contracts (163 in construction and 124 under design) and \$233,332,146 in paid invoices from overall funds processed against 2,346 invoices.

## INFRASTRUCTURE BILL DISCRETIONARY GRANTS (2021-2026 FUNDING)/INFLATION REDUCTION ACT (2022) FEDERAL GRANTS ACCOMPLISHMENTS

Applied for 13 competitive federal funding grants, of which the RTC was selected for six funding opportunities totaling approximately \$10.1 million. Grants include the USDOT Rebuilding American Infrastructure with Sustainability and Equity (RAISE) grant, the State of Nevada, Department of Public Safety, Office of Traffic Safety Grant, the Federal Transit Administration Areas of Persistent Poverty grant, the Build America Bureau Regional Infrastructure Accelerator Program grant, the State of Nevada, Nevada Outdoor Recreation Infrastructure grant, and the Federal Highway Administration Safe Streets and Roads for All grant.

Additionally, the team assisted local entities, nonprofits, and stakeholder groups with 23 letters of support or commitment for partner applications. We have four grant applications pending valued at approximately \$30 million in federal funding. (*USDOT Charging and Fueling Infrastructure Program, USDOT Reconnecting Communities and Neighborhood, FTA Transit Oriented Development and the FHWA/FTA Community Project Funding Congressionally Directed Spending*)

Applied for

**13** COMPETITIVE FEDERAL FUNDING GRANTS

Selected for

**6** FUNDING OPPORTUNITIES

**\$10.1M**

### CONTACTLESS PAYMENT

Launched contactless payment, enabling customers to use their Visa and Mastercard branded credit and debit cards to pay for a single fare upon boarding. Customers can also use Apple Pay and Google Pay through their mobile wallet or smart watch. Each tap charges a single ride fare of \$4 on the Strip and \$2 on residential routes.

### TRANSIT ADVERTISING

Outfront Media, RTC's transit advertising partner, met their first year's minimum annual guarantee of \$4 million; replaced 10 digital advertising units that had reached the end of their useful life; and installed 10 new digital units on the Las Vegas Strip and in downtown Las Vegas to diversify the opportunities available to potential advertisers.



## FORMULA ONE LAS VEGAS GRAND PRIX

Collaborated closely with Clark County and Formula One Las Vegas Grand Prix to prepare for the inaugural race that involved more than 80 RTC staff and contractors. Staff attended more than 75 meetings, reviewed 100 traffic control plans, and staffed the Traffic Management Center 24/7 for five continuous days before, during and after the race. The transit team detoured more than a half-dozen routes which required detailed route planning as well as customer information shared electronically, at bus stops, on buses, and through additional platforms, such as social media.

## REGIONAL EVENT TRAFFIC MANAGEMENT COLLABORATION

In partnership with state and local jurisdictions, major resorts, event venues, event promoters, traffic control companies, law enforcement, emergency services, and convention authorities, we tracked 932 special events, actively managed traffic for 304 events, and prepared and programmed signal timing for an additional 159 events.

## 2023 LEGISLATIVE SESSION

Monitored more than 1,200 bills during the 2023 legislative session, including Senate Bill 341, which established the historic precedent of state support for transit operations with a \$5 million appropriation for the RTC. Prior to the passage of SB 341, Nevada was one of only four states where public transit did not receive any state funding.

## ELECTED OFFICIAL EVENTS

Hosted five events for federal and state elected officials to discuss transportation issues, celebrate successes, and bring media attention to RTC priorities.

- U.S. Department of Transportation (USDOT) Tour and Grants Roundtable with USDOT officials and local government staff to discuss current and upcoming projects funded by the Infrastructure Investment and Jobs Act (IIJA).
- Federal Transit Administration (FTA) Rebuilding American Infrastructure with Sustainability and Equity (RAISE) Grant event with USDOT officials to celebrate the RAISE planning award of \$5.8 million for Charleston Boulevard High-Capacity Transit.
- Hydrogen bus launch event with elected officials from all three levels of government to celebrate the introduction of hydrogen fuel cell electric buses to the RTC's fleet.
- Battery electric bus launch event with elected officials from all three levels of government to celebrate the introduction of battery electric buses to the RTC's fleet.
- USDOT Listening Tour with Secretary Trottenberg and Nevada's congressional delegation to share infrastructure priorities and highlight the positive impact of increased federal funding.

## PUBLIC RELATIONS

Secured 123 national and 410 local media stories and three local and national awards. Initiated monthly transit marketing campaigns that highlighted the latest innovations, importance, and issues currently facing Southern Nevada's public transportation system. Re-launched Seeing Orange with a revamped website to highlight the benefits of numerous construction projects occurring in the valley and the trip navigation tools available to drivers and transit riders. Awarded an "Outstanding Public Outreach & Journalism" recognition by the American Planning Association for work related to raising awareness about urban heat islands.





ATTENDED  
**270**  
COMMUNITY  
EVENTS

AWARDED  
**2.8%**  
of RTC contracts to  
DISADVANTAGED  
BUSINESS  
ENTERPRISES.

### PARTNERSHIPS AND COMMUNITY ENGAGEMENT

Hosted or attended 270 community events, speaking engagements, and public meetings, totaling an estimated 194,561 interactions. Secured 19 new community partnerships including large hotel/casino properties that provided incentives, benefits, or resources to RTC customers.

### DIGITAL COMMUNICATIONS

Gained new customers and stakeholders on RTC digital platforms, while maintaining engagement with existing customers. Increased the RTC Blog subscriber list by 18.2% to 30,771, increased social media followers on the three major platforms by an average of 5.5%, or over 46,066 followers, and increased the marketing email database by nearly 8% to 219,000 contacts.

### DISADVANTAGED BUSINESS ENTERPRISE GOAL / RISE ENHANCEMENT

Awarded 2.8 percent of RTC contracts to disadvantaged business enterprises, far surpassing the federal participation goal of 0.3 percent for FTA-funded projects. Hosted four events (two synergy sessions, a prime contractor meet and greet, and a lunch and learn) for the RISE (Resources, Involvement, Support and Education) program. Certified 33 new firms as RISE businesses.

## ZERO EMISSIONS PLAN

Received two hydrogen fuel cell electric buses and four battery electric buses and placed them into revenue service. Negotiated the sale of 22 60-foot hydrogen fuel cell electric buses, saving the RTC approximately \$6.3 million.

## ELECTRIC CHARGING INFRASTRUCTURE CONSTRUCTION

In support of RTC's new battery electric buses, completed construction of power infrastructure supporting two plug-in charging stations at the Integrated Bus Maintenance Facility. This project, funded by an NV Energy grant of \$568,000, will allow up to eight battery electric buses per day to be charged for route operation.

## HYDROGEN FUELING INFRASTRUCTURE

Completed design of fueling infrastructure for RTC's first deployment of hydrogen fuel cell electric buses at the Sunset Maintenance Facility. This first phase of new fueling infrastructure will fuel up to 15 hydrogen

fuel cell electric buses per day. Final design for the second phase of fueling infrastructure to support a larger fleet of 50 buses will be complete in early 2024.

## CLUB RIDE – TRANSPORTATION DEMAND MANAGEMENT PROGRAM

Refocused and increased Club Ride's annual goals on quality engagement and opportunities to partner with the business community. To date there are 375 businesses enrolled with approximately 20,490 employees signed up for the program. Hosted 25 tailored promotional events and 18 worksite assessments with 37 employer partners.

## BIKE SHARE EXPANSION

Expanded the RTC Bike Share system with three new stations in the downtown Las Vegas Medical District through a \$26,000 sponsorship by the Southern Nevada Health District. Station locations include the UNLV Kirk Kerkorian School of Medicine, Alta and Shadow, and Wellness Way. Installed GPS units on all bikes to curb theft and make it easier to track and recover.

