



Operations Update



DeAndre Davis, Director of Safety and Security

Althea Albert-Santiago, Director of Food and Nutrition Services

Anthony Graphenreed, Interim Director of Facilities

Toyin Akinola, Director of Transportation

Jerranetta Brookings, Interim Director of Operations

Dr. Nikka Lemons, Deputy Chief of Operations

Square Watson, Chief Operations Officer



Four Goal Areas



3rd Grade Reading

Growth and Proficiency



3rd Grade Math

Growth and Proficiency



College and Career Readiness

High School Students Prepared for Workforce and Post-Secondary Employment



Culture and Climate

Student Wellbeing

Student Success Goals



SLPS Strategic Values



Highly Effective
Educators and
Leaders



Authentic Family
and Community
Partnership



Equitable and
Multiple Sources
of Data



Joyful and
Engaged
Students



Personalized
Supports and
Innovative Pathways



College and
Career Ready
Critical Thinkers

Values Across Our Student Goals

Agenda



- **Operations Overview**
 - **Safety and Security Division**
 - **Food and Nutrition Services Division**
 - **Facilities Division – Prop S. Update**
 - **Transportation Division**
- **Questions and Answers**





Safety and Security Update



DeAndre Davis, Director of Safety and Security
Dr. Nikka Lemons, Deputy Chief of Operations
Square Watson, Chief Operations Officer



2023-24 School Year Safety and Security Update



Established Focus Group

- Supt. Student Advisory Board
- Parent Action Council
- Principal Learning Institute
- Local 420



Meetings

- SLPS/Juvenile Unit
- Family Forums
- Street Law Meetings
- Family Mediations



2023-24 School Year Safety and Security Update



2024-25 School Year Safety and Security Outlook



Improved Communication

June-August 1,2024

Communicate safety strategies

- Digital communications/Bulletins
- Newsletter
- District websites



Collaboration

June 2024-May 2025

SLMPD

FBI



Technology

Ongoing

Key Performance Indicators (KPI)

Dashboard

Access Control

Phase II Intrusion Film

District-wide Security systems upgrades



Initiatives

Satellite site





Safety and Security Updates



Questions?





Food Service Update



Jerranetta Brookings, Interim Director of Operations, on behalf of Althea Albert-Santiago, Director of Food and Nutrition Services

Dr. Nikka Lemons, Deputy Chief of Operations
Square Watson, Chief Operations Officer



2023-24 School Year Food Service Update

Stakeholder Engagement

- 2024-2025 Food Service Management Company Request For Proposal (RFP)
- Superintendent Student Advisory Board



Monday, April 8, 2024: Food Service Vendor Tastings



2023-24 School Year Food Service Update



Food Service Transition Strategy:

Cafeteria: ETS @Madison

- Goal Setting and Prioritization
- Establishing Expectations and Quality Assurance
- Staff Training and Development



2024-25 School Year Food and Nutrition Services Outlook

Food and Nutrition Services on the Horizon





Food and Nutrition Services Updates



Questions?





Facilities Update




Navigate Building Solutions, Construction Management
Anthony Graphenreed, Interim Director of Facilities
Dr. Nikka Lemons, Deputy Chief of Operations
Square Watson, Chief Operations Officer





Completed




 SAINT LOUIS PUBLIC SCHOOLS	Fencing	Drinking Fountains	Flooring	Painting	Playgrounds	Kitchen Renovation
Elementary	8	16	6	3	8	
Middle	1	3	2	1	1	
High School		5	1			2





In Progress




	Fencing	Drinking Fountains	Flooring	Painting	Playgrounds	Kitchen Renovation
Elementary	2	2		5	1	1
Middle						1
High School				2		1

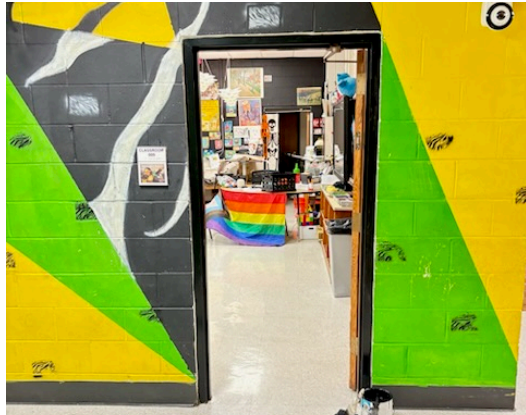




Remaining




	Fencing	Drinking Fountains	Flooring	Painting	Playgrounds	Kitchen Renovation
Elementary	7	20	16	26	18	1
Middle		4	1	8		1
High School	1	7	5	1		2





Upcoming Summer Work



 SAINT LOUIS PUBLIC SCHOOLS	Stair Tread Replace	Whiteboards	Exterior Doors	Painting	Fire Alarm	Roofing	Lighting	Restroom Upgrades
Elementary	11	7	25	14	4	5	3	4
Middle	1	2	6	3	2	5	2	4
High School	4	2	6	4		4	1	2





Facilities Updates



Questions?





Transportation Update



4MATIV Technologies, Carl Allen
Toyin Akinola, Director of Transportation
Dr. Nikka Lemons, Deputy Chief of Operations
Square Watson, Chief Operations Officer



SLPS Transportation Optimization & Modernization

Phase 1: Opportunity Analysis

May 14, 2024



4MATIV is a student transportation strategy, technology, and management company with a highly analytical approach to system transformation and sustainability.

Our team has depth of experience across education and mobility. Our work includes projects for districts and state systems nationwide, including Chicago (CPS), Cincinnati (CPS), Houston (HISD), Indianapolis (IPS), KIPP Schools, Prince George's County (PGCPS), Prince William County (PWCS), DC Office of the State Superintendent of Education (OSSE), Virginia Department of Education (VDOE), and Rhode Island Department of Education (RIDE).

Project Team:

- **Carl Allen, CEO**
- **Sonam Bagul, Geospatial Analyst**
- **Mary Dillman, Chief of Client Services**
- **Tony Mosolf, Analyst**
- **Owen Sullivan, Director of Data Operations**
- **Jessie Wade, Management Consultant**



Engagement Overview

Phase	Status	Objective
0: Launch	<i>Complete</i>	Prepare for an effective collaboration that meets SLPS goals by establishing the project team, priorities, and core data set.
1: Opportunity Analysis	<i>Complete</i>	Assessment of the current system to identify areas for improvement along with recommendations and potential savings.
2: Comprehensive Efficiency Analysis	On Track	Model bell time scenarios and conduct stakeholder and SWOT analyses in order to design implementation recommendations.
3: Solution Implementation	On Track	Guide and collaborate with district team to implement recommended solutions, services and processes via technical assistance and coaching sessions.
In-House Fleet Planning & Support	On Track	Analyze options to take in-house strategic operational components of the SLPS system and understand the cost/benefit of taking vehicle service in-house.
RFP Design, Launch & Support	On Track	Provide critical support and guidance through current vendor settlement negotiations and the rapid development of a new RFP.

In this first phase of a three-part project, 4MATIV developed an evidence-based understanding of SLPS's transportation system

The Opportunity Analysis assesses the current system to uncover areas for improvement, recommend strategies, and estimate the potential gain from implementing proposed solutions.

Project commenced in March 2024

Several key questions guided this phase of work:

- **What opportunities exist for immediately stabilizing the transportation system, addressing the driver shortage, and achieving improved service?**
- **What solutions could be implemented promptly to achieve immediate coverage and expand options for families?**
- **What solutions could be implemented in the long-term to further enhance service, efficiency, safety, and sustainability?**

State and District Transportation Policies

- **Transportation Policy:** SLPS transportation services are provided to students in grades P4-12 living one mile or greater from their designated school. The state minimum is that students living greater than 3.5 miles from their assigned school must be provided transportation. Students enrolled in a Magnet School or Gifted Program may receive transportation at the discretion of the Superintendent. Bus passes may be granted to students who could benefit from public transit due to distance or other reasons.
- **Vehicle Policy:** District policy stipulates that transportation may employ smaller vehicles, adhering to the manufacturer's guidelines. Missouri allows for 10-passenger vehicles to transport students. These vehicles are not required to have specific external markings indicating their use for student transportation. SLPS is currently utilizing 10-passenger vehicles to transport students.
- **Parent Payment:** According to state statute 320.010, a "school bus" includes any vehicle designed to carry >10 passengers to and from school or for educational purposes. Districts have the authority under state statute 304.060 to employ smaller vehicles for transporting school children. This includes vehicles owned by parents or guardians with a capacity ≤ 10 passengers. Regulations and operations regarding parent payment are left to the discretion of each district. SLPS introduced a financial incentive program to alleviate the current driver shortage, complementing the existing gas card initiative which offered families weekly prepaid gas or metro cards. Families residing in areas most affected by transportation disruptions will be notified of their eligibility for a \$75 restricted gift card for each week they transport their child(ren) to school.

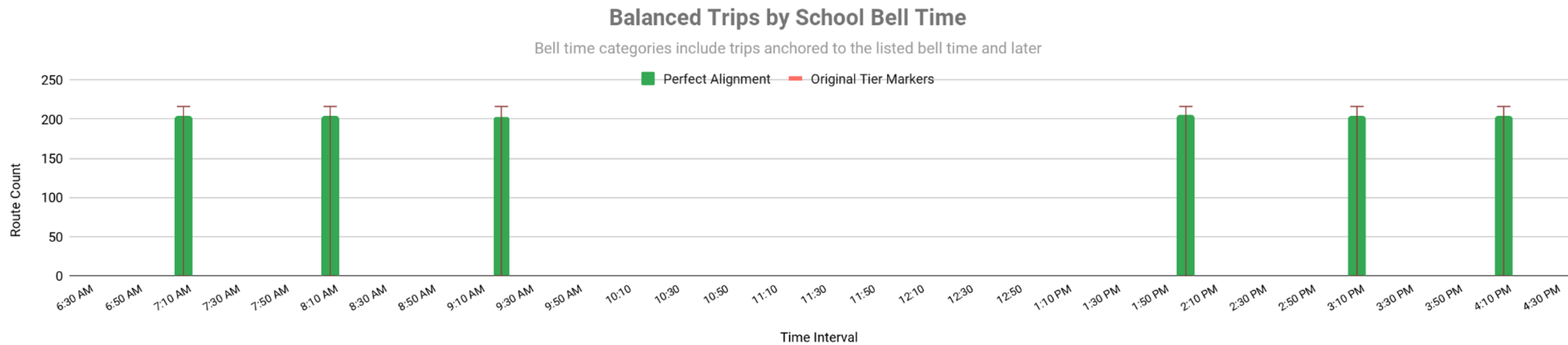
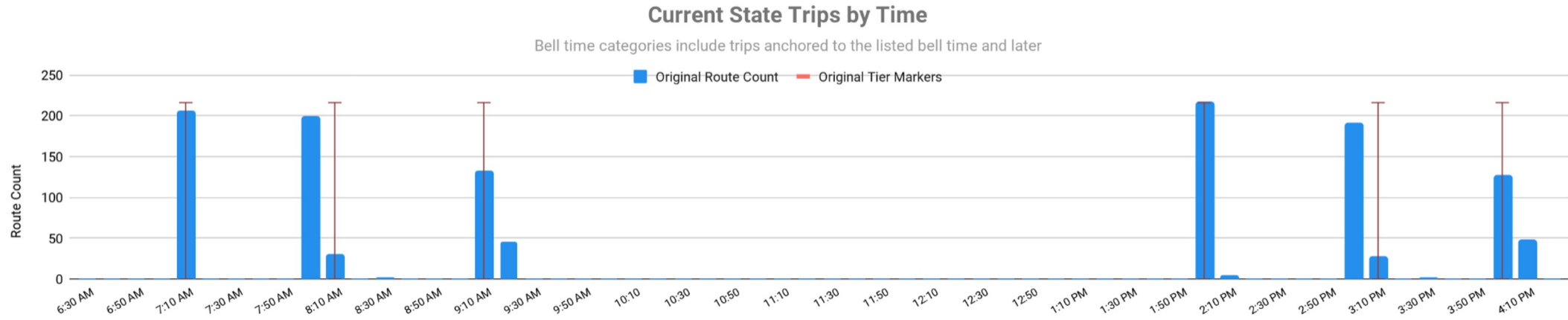
Key Findings

- **Students:** As of March 2024, SLPS enrolls 18,777 students, with 14,209 transported daily, constituting 76% of enrolled students. Of transported students, 48% are in elementary grades, 22% are in grades 6-8 and 30% are in grades 9-12. Middle and high school students account for a disproportionate share of transported students compared to enrollment.
- **Trips & Routes:** The district operates 1,219 one-way trips per day (609 AM + 610 PM), with an average of 23 planned riders per trip. Median trip duration is 55 minutes. Currently, 51% of trips are between 45-60 minutes, revealing a need to constrain trip durations and/or lengthen the interval between bell tiers.
- **Vehicles:** The fleet includes 228 active routed vehicles. The active fleet includes 181 Type C Vehicles and 44 Type A Vehicles. There are four active vehicles of an unknown type.
- **Utilization:** On the typical trip, assigned riders fill 44% of available seats using practical capacity assumptions. The typical vehicle completes 5.34 trips per day. In an optimal three-tier system, each vehicle would complete six trips per day (3 AM + 3 PM).
- **Vehicle Mix:** 559 trips (46%) have fewer than 18 assigned riders. 300 trips (25%) have fewer than 9 assigned riders and therefore could be served by a single 10-passenger van.
- **Costs:** The average cost per vehicle per day is \$790.51. The average cost per student per day is \$8.53.

Myriad opportunities exist for enhancing efficiency and moving toward an operationally, fiscally & environmentally sustainable system

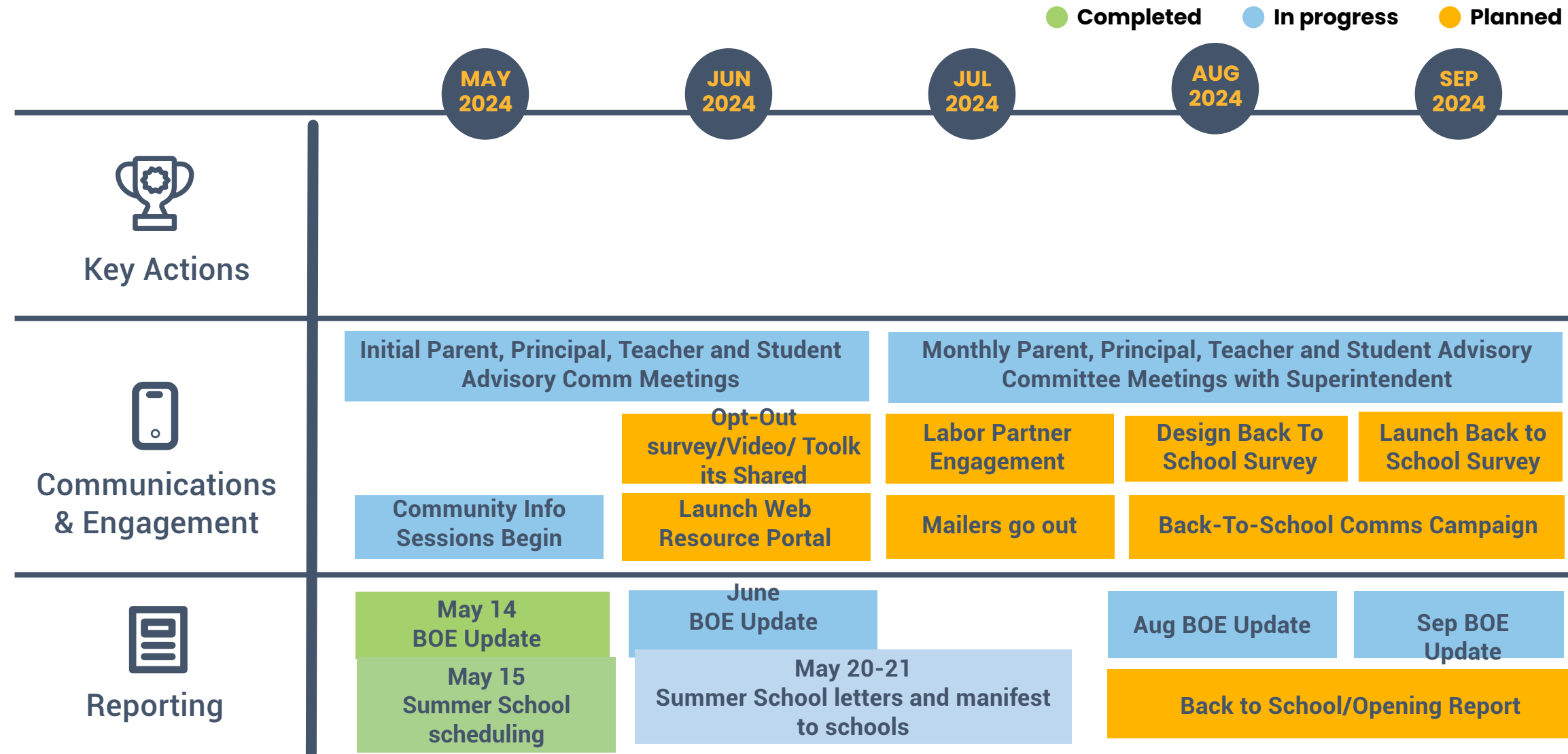
- **Bell Time Alignment:** There is presently a sizable trip imbalance across the three tiers of service. To achieve balance, 26 AM trips and 29 PM trips need to move to Tier 3 (9:20 AM). Bell time alignment has the potential to reduce the number of necessary vehicles significantly, from 228 to 204 in an optimized three-tier system. SLPS would eliminate 24 buses by achieving perfect trip balance and pairing, saving \$3.4 million annually.
- **Stop Consolidation:** Current home-to-stop distances are very accommodating, with a median distance of 0.12 miles. Median distances are slightly greater for grade 6-12 students (0.15 miles) compared to elementary students (0.10 miles). 81% of transported students have bus stops less than a quarter-mile from their home. Strategic stop consolidation could greatly increase vehicle utilization.
- **Public Transit:** Transitioning students to public transit based on criteria such as trip duration, walking distance, and transfers could save the district \$7.2 million annually, serving 4,708 students.
- **Parent Payment:** SLPS could save up to \$16.2 million annually by offering parent payment instead of providing transportation for students attending a school 5 or more miles from their home residence. While SLPS spends \$9.20 per student per day in SY24 for the target student group, this amount is estimated to increase to \$41.79 in SY25 assuming transport on non-bus smaller vehicles.
- **Walk Zone Expansion:** Extending the transportation eligibility boundary from 1 mile to 1.5–3.5 miles could save SLPS \$2.3–7.5 million annually, reducing up to 109 routes and 53 vehicles.

Achieving 3-tier perfect alignment, balance & pairing would save 24 buses



“Balanced Trips” visualizes a future state in which SLPS balances trips by school bell times across three service tiers, aligns bell times within each tier to maximize the interval between trips, and perfectly pairs trips.

Service Level Differentiation & Strategic Stop Consolidation



St Louis Public Schools

Application Overview

St Louis Public Schools was part of Highland's awarded Region 7 EPA Clean School Bus Grant Application

Key Information

- Highland was awarded funding for thirty (30) Type-C Electric school buses (\$290,000/bus) to serve SLPS
- Scrap buses are required (**Highland to provide**)
- Project timeline: EPA requires deployment 2 years from award date.
- Bus depot location: To be determined



Highland provides Turnkey Electrification Services



Reliable School Buses



Bus Depot Electrification



Charge Management & Software



Electricity (Fuel)



Vehicle Maintenance Reimbursement (Risk Mitigation)



Transportation Updates



Questions?





Thank You!

