



LONG-RANGE PLANNING COMMITTEE

2018-2019





TRANSPORTATION

FACILITIES AND EQUIPMENT
RECOMMENDATIONS



LARGEST STUDENT TRANSPORTATION DEPARTMENTS IN TEXAS

School District	Route Buses	Students Transported	Students Transported per bus daily	Annual Route Mileage
Houston ISD	990	36,000	40	15,000,000
Dallas ISD	812	40,000	49	12,000,000
Cypress-Fairbanks ISD	750	80,000	107	7,373,136
Northside ISD	590	55,000	93	7,500,000
Conroe ISD	393	36,021	92	7,000,000
Katy ISD	342	35,000	102	4,275,449
Austin ISD	342	20,000	58	7,200,000
Spring ISD	281	17,000	60	3,100,000
Plano ISD	220	15,000	68	3,500,000
San Antonio ISD	200	8,210	41	2,100,000
Arlington ISD	194	12,250	63	2,703,000

LARGEST STUDENT TRANSPORTERS IN THE NATION

School District	Route Buses	Students Transported	Students Transported per bus daily	Annual Route Mileage
New York City Dept. of Education	9,200	156,000	17	24,500,000
Los Angeles Unified School District	1,763	100,248	57	12,195,867
Clark County School District	1,679	129,994	77	26,979,000
Gwinnett County Public Schools	1,636	130,929	80	23,580,000
Montgomery County Schools	1,190	102,000	86	20,000,000
Fairfax County Schools	1,183	142,818	121	17,000,000
Charlotte-Mecklenburg Schools	1,088	127,000	117	23,125,000
Prince George's County Schools	1,047	85,580	82	N/A
Cobb County School District	933	98,000	105	13,000,000
Hillsborough County Public Schools	842	82,000	97	17,000,000
Baltimore County Public Schools	808	81,306	101	14,987,494
Cypress-Fairbanks ISD	750	80,000	107	7,373,136

ROUTING EFFICIENCY IN TEXAS

School District	Route Buses	Students Transported
Houston ISD	900	35,000
Dallas ISD	812	40,000
COMBINED TOTALS	1,712	75,000

<i>Cypress-Fairbanks ISD</i>	<i>750</i>	<i>80,000</i>
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ROUTING EFFICIENCY IN THE NATION

School District	Route Buses	Students Transported
School District of Philadelphia	1,394	40,104
Chicago Public Schools	1,271	22,182
COMBINED TOTALS	2,665	62,286

<i>Cypress-Fairbanks ISD</i>	<i>750</i>	<i>80,000</i>
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TRANSPORTATION DEPARTMENT FACTS

- ❖ Transportation Centers: 5
- ❖ Total Route Buses: 750
- ❖ Total Buses: 1,137
- ❖ Average Students Transported Daily: 80,000
- ❖ Annual Route Mileage: 7,373,136
- ❖ Annual Field Trips: Over 17,500



LONG-RANGE FACILITY PLANNING: NEW TRANSPORTATION CENTER

❖ Transportation Facilities Design Capacity:

- ❖ Falcon (1974): 152 Buses
 - ❖ Currently: 228 Buses
- ❖ Telge (1981): 132 Buses
 - ❖ Currently: 189 Buses
 - ❖ 2 Community Programs Early Learning Centers
- ❖ Barker (1985): 120 Buses
 - ❖ Currently: 163 Buses
 - ❖ 2 Community Programs Early Learning Centers
- ❖ Eldridge (2005): 192 Buses
 - ❖ Currently: 234 Buses
 - ❖ 1 Community Programs Early Learning Center
- ❖ Westgreen (2017): 200 Buses
 - ❖ Currently: 264 Buses



LONG-RANGE FACILITY PLANNING: NEW TRANSPORTATION CENTER

❖ Facility Needs

- ❖ One new transportation facility in northwestern area of district
- ❖ Total routes projected to increase by 25 by 2025
- ❖ This does not account for possible growth of McKinney-Vento or special education transportation



LONG-RANGE FACILITY PLANNING: NEW TRANSPORTATION CENTER

❖ *Availability of protected parking for all buses*

Center	Total Protected Parking Spaces	Total Buses Assigned to Center	Available Protected Parking Spaces
Falcon	152	228	-76
Telge	132	189	-57
Barker-Cypress	120	163	-43
Eldridge	192	234	-42
Westgreen	200	264	-64
Totals	796	1,078	-282



LONG-RANGE EQUIPMENT PLANNING SCHOOL BUSES

- ❖ Legislative Budget Board recommends 12 to 15-year replacement cycle for school buses
- ❖ 2014 Bond implemented 15-year replacement cycle
- ❖ Recommended to go to 12-year replacement cycle due to the following safety and security enhancements implemented recently:
 - ❖ Three-point seatbelts
 - ❖ Collision avoidance mitigation
 - ❖ Electronic stabilization
 - ❖ Lane departure warning systems



LONG-RANGE FACILITY PLANNING TECHNOLOGY UPGRADES

- ❖ 2014 Bond approved new global positioning systems (GPS) for all school buses in the fleet.
- ❖ Current provider is transitioning from 3G to LTE system that will provide more accurate and timely information along with Bluetooth capabilities.
- ❖ Upgrades are \$900 per bus with projected purchase of 1,000 units
- ❖ Total: \$900,000



SUMMARY AND RECOMMENDATIONS

❖ New northwest transportation center:	\$35,995,502
❖ 12-year replacement cycle for 442 school buses:	\$48,522,658
❖ Projected growth of 25 school buses:	\$ 2,744,495
❖ Replace existing GPS hardware:	<u>\$900,000</u>
	Total: \$88,162,655

