

SAFETY UPGRADES REPORT

A SUMMARY REPORT
DESIGNED TO KEEP THE
BOARD INFORMED

TRANSPORTATION DEPARTMENT



BOARD OF EDUCATION, OCTOBER 23, 2017



SAFETY AND SECURITY



Strategic Plan

- **TARGET 1** – LAKEWOOD PUBLIC SCHOOLS WILL MAINTAIN FACILITIES, PROPERTIES, AND EQUIPMENT THAT ARE SAFE, SECURE, AND MEET THE EDUCATIONAL NEEDS OF THE DISTRICT.



Strategic Plan

- **GOAL 1**- CREATE A COMPREHENSIVE PLAN FOR ENHANCING BUILDING SAFETY AND SECURITY FOR STUDENTS AND STAFF.
- **GOAL 2** - DEVELOP CAPITAL USE/NEEDS PLAN FOR ALL DISTRICT FACILITIES, PROPERTIES, AND EQUIPMENT.



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Accomplished

- ✓ **\$500,000 GENERAL FUND** INVESTMENT IN BUS PURCHASES IN THE LAST THREE YEARS

NEEDS ADDRESSED: MAINTAINS FLEET RENEWAL SCHEDULE; TRADING OUT OLDER, OUTDATED BUSES FOR NEWER OR BRAND NEW BUSES



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Accomplished

- ✓ **\$29,000 GENERAL FUND** TWO-YEAR INVESTMENT IN HD SURVEILLANCE CAMERAS; ALL BUSES NOW EQUIPPED

NEEDS ADDRESSED: ABILITY TO MAINTAIN VIDEO AND AUDIO CAPABILITIES ON ALL BUSES TO ENSURE SAFE AND SECURE ENVIRONMENTS



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Accomplished

- ✓ **\$5,000 GENERAL FUND** INVESTMENT IN PREVENTATIVE MAINTENANCE TOOLS

NEED ADDRESSED: ABILITY TO PROBLEM-SOLVE ELECTRICAL AND MECHANICAL ISSUES IN-HOUSE; PROVIDE ABILITY FOR MORE EFFICIENT PREVENTATIVE MAINTENANCE



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Current Challenges

- ✓ LAG IN COMMUNICATIONS BETWEEN DISTRICT AND HOME
- ✓ WILL NEED ADDITIONAL HUMAN RESOURCES IN OFFICE
- ✓ INEFFICIENCIES IN STUDENT TRACKING DURING ROUTES
- ✓ INEFFICIENCIES IN STUDENT/PARENT REGISTRATION AND ROUTE CHANGES

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Sources

- ✓ PARENT/COMMUNITY FEEDBACK ON SURVEYS
- ✓ EMPLOYEE FEEDBACK; DEPARTMENT INPUT
- ✓ STRATEGIC TARGETS ON SAFETY & SECURITY
- ✓ DISCUSSION WITH LOCAL PARTNERS
(DISTRICTS, FIRST RESPONDERS)



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Solutions

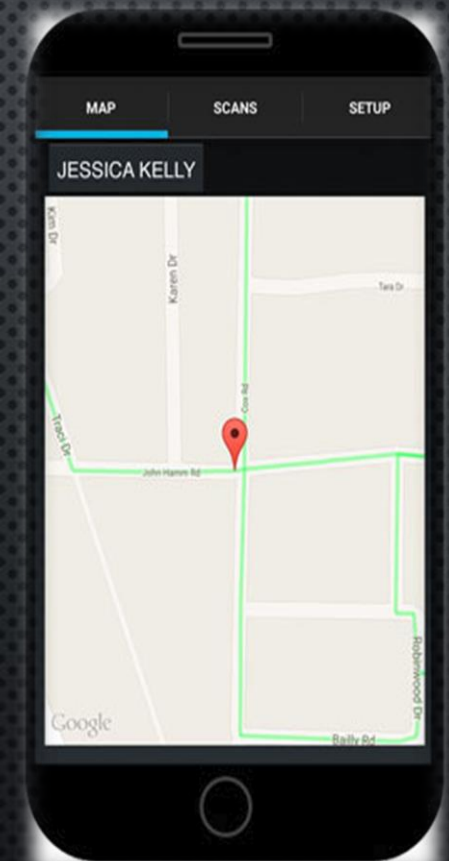
- ✓ IMPROVE COMMUNICATION BETWEEN DISTRICT AND HOME; “PUSH” INFORMATION SPONTANEOUSLY W/O HR ADDITIONS
- ✓ ABILITY TO KNOW WHERE BUSES AND STUDENTS ARE AT ALL TIMES DURING ROUTES
- ✓ SEE REAL-TIME BUS DIAGNOSTICS
- ✓ PROACTIVE IN PREVENTATIVE MAINTENANCE OF FLEET

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Enhancements & Upgrades

✓ **GPS LOCATION** ALL BUSES WILL BE ACCESSIBLE BY GPS. PARENTS WILL BE ABLE TO KNOW WHERE THEIR CHILD'S BUS IS DURING ROUTES AND SEE "ETA"

✓ **FACT: MAJORITY OF CALLS ARE FOR LOCATION**



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Enhancements & Upgrades

✓ **STUDENT LOCATION** GEO-

TAGGING WILL ALLOW

PARENTS AND DISPATCH TO

KNOW WHEN A CHILD

BOARDS AND DEBOARDS A

BUS, THE BUS NUMBER, AND

THEIR LOCATION AT EACH



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Enhancements & Upgrades

✓ **PARENT/STAFF PORTAL.**

PARENTS AND STAFF CAN
SECURELY ACCESS ROUTE
INFORMATION, SEND
MESSAGES THROUGH
APPLICATION, AND REGISTER
FOR NEW ROUTES ON ON-LINE

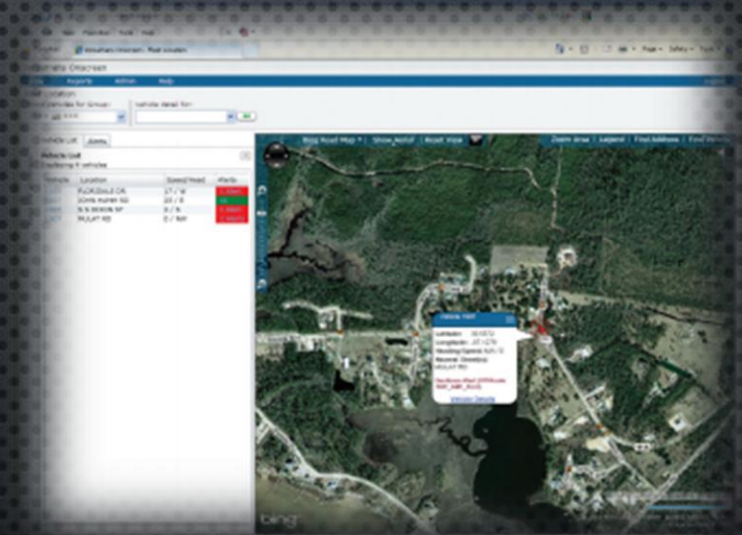


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Enhancements & Upgrades

✓ **FULL ROUTE MAPPING.**

ALLOWS FOR ABILITY TO
MONITOR ALL BUSES
SIMULTANEOUSLY ONLINE;
ROUTE REVIEW FOR
EFFICIENCY (TIME/FUEL);
CHANGES PUSHED OUT
IMMEDIATELY TO PARENTS



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Enhancements & Upgrades

✓ **VEHICLE DIAGNOSTICS.**

REAL-TIME ENGINE

MONITORING; HELP PREVENT

UNEXPECTED VEHICLE

BREAKDOWNS; KNOW THE LIFE

CYCLE OF EVERY PART IN

YOUR INVENTORY



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Enhancements & Upgrades

✓ **VEHICLE DIAGNOSTICS.**

MONITOR ACCELERATION/
DECELERATION, BRAKING,
TURNING, SYSTEM LIGHTS –
AMBER AND REDS – AND MUCH
MORE





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Proposed Investment in Safety & Security Needs

- ✓ **\$50,000** APPROXIMATE INITIAL INVESTMENT IN SOFTWARE AND EQUIPMENT UPGRADES THAT WILL DRAMATICALLY IMPROVE AND EXPAND SAFETY CAPABILITIES IN OUR TRANSPORTATION DEPARTMENT

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Proposed Investment in Safety & Security Needs

- ✓ **\$10,000-\$14,000** SUBSEQUENT ANNUAL LICENSING FEES TO MAINTAIN INCREASED SAFETY STANDARDS AND REQUISITE TECH PLATFORMS
- ✓ APPROXIMATE SUBSEQUENT COST OF **\$8** PER PUPIL, PER YEAR



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Next Steps

- ✓ RFPs
- ✓ REVIEW PROPOSALS
- ✓ CHOOSE VENDOR
- ✓ BOARD OF EDUCATION PROPOSAL APPROVAL



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Next Steps

- ✓ BETA TESTING WINTER/SPRING 2018
- ✓ PROFESSIONAL DEVELOPMENT SPRING 2018
- ✓ TIMELINE FOR PUBLIC RELEASE: FALL, 2018



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QUESTIONS OR COMMENTS?