

IRVING INDEPENDENT SCHOOL DISTRICT

Working - BOARD OF TRUSTEES
5:00 PM

Irving ISD Board Room
2621 West Airport Freeway
Irving, TX 75062
Monday, October 23, 2023

A G E N D A

I. CALL TO ORDER FOR 5:00 P.M. WORK SESSION

II. PUBLIC COMMENTS

A. Public Comment - Individuals wishing to address the Board on agenda items.

III. Special Recognition

IV. DISCUSSION

A. Receive Presentation on School Improvement Plan (A. Gomez/R. Bayer) 3

B. Irving ISD Long Range Facility Master Plan with Educational Specifications (A. Smith) 20

C. Receive Presentation on Irving Independent School District Attendance Boundary Proposal (D. Galindo/R. Zamora) 325

D. Receive Presentation on Irving Independent School District Improvement Plan (D. Galindo/A. Goudar) 354

E. Discuss Items on the October 23, 2023 Regular Board Meeting Agenda

V. EXECUTIVE SESSION - The Board may recess the Open Meeting and reconvene in a Closed Meeting pursuant to the following sections of the Texas Government Code and as authorized by Sections 551.071-551.076 and 551.082-551.084 therefore of

A. Section 551.071 - To seek the advice of the Board's attorney about:

1. Pending or Contemplated Litigation, Settlement Offer, or Matter Under Investigation.

2. A Matter in Which the Professional Duty of the Attorney to the Board Conflicts with the Applicable Provisions of the Texas Open Meetings Act.

- B. Section 551.072 - To deliberate the purchase, exchange, sale, lease or value of real property if such deliberation in open session would have a detrimental effect on the Board's position in negotiations with a third party.
- C. Section 551.074 - To deliberate the appointment, employment, resignation, evaluation, reassignment, proposed nonrenewals, termination, duties, discipline, or dismissal of a public officer or employee; or to hear a complaint or charge against an officer or employee.
- D. Safety and Security

VI. **RECONVENE** from Closed Meeting for Action Relative to Items Covered in Such Meeting.

- A. Consider Action by the Board Related to Pending or Contemplated Litigation, Settlement Offer, or Matter Under Investigation.
- B. Consider Action Regarding Purchase, Exchange, Sale, Lease or Value of Real Property.
- C. Public Comments - individuals wishing to address the Board or make comments regarding issues not on the agenda will be heard at this time.

VII. **ADJOURNMENT**



IRVING

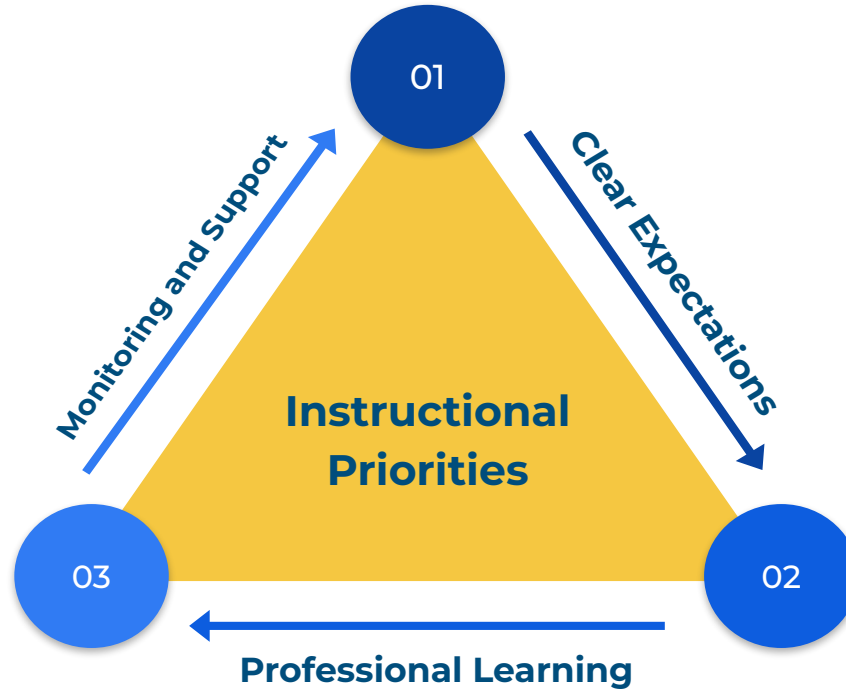
INDEPENDENT SCHOOL DISTRICT



School Improvement Plan



School Improvement Plan





Professional Learning

Event	Description	Audience
August 9th and 10th	All IISD teachers attended a full-day training on IISD curriculum and began the unit internalization process.	All IISD Teachers
Purposeful Planning	Every 6 weeks, all core content teachers participate in a 2-hour professional learning session delivered by the curriculum and instruction team. These sessions center on IISD curriculum unit internalization, TEKS alignment, and provides valuable resources to create aligned, rigorous formative assessments.	All IISD Teachers
District PD Days	Two District Professional Learning Days offer teachers the flexibility to select the essential skill they need to develop further.	All IISD Teachers
Tips and Tools	All central office staff delivering professional learning are required to attend Tips and Tools for Professional Learning. Participants in Tips and Tools study the characteristics of adult learners and adult socialization. They also learn a framework for designing and delivering powerful professional learning.	Professional Learning Facilitators



Unit Internalization Process

Elementary	Secondary
<p data-bbox="417 653 662 689"><u>All Contents</u></p>	<p data-bbox="1362 536 1518 572"><u>Science</u></p> <p data-bbox="1389 620 1491 656"><u>Math</u></p> <p data-bbox="1302 704 1578 740"><u>Social Studies</u></p> <p data-bbox="1400 788 1483 824"><u>RLA</u></p> <p data-bbox="1779 521 1798 543">7</p>

IRVING ISD LEARNING ENVIRONMENT PRACTICES



1. WELCOMING RITUALS

Time: 1-10 minutes



Establish safety and predictability. Encourage students to connect with their teacher and one another.

Class Examples

- Greet students upon entry to class
- Reference or review the Social Contract or Treatment Agreement
- Choose one of the following:
 - Students share out positive things or affirmations with their classmates
 - 60 second relate break
 - 90 second spark
 - 2 minute connection
- Additional, Optional Activities:
 - Hold class circles or morning meetings
 - Check in with a mood meter or a greeting choice board

2. ENGAGING COMMUNICATION PRACTICES

Time: Integrated



Promote collaboration. Create a predictable learning environment.

Class Examples

- Model and practice classroom routines and procedures
- Give structured turn-and-talk time to practice sharing and listening
- Give brain breaks and let students stand/stretch or use flexible seating
- Use explicit SEL lessons, such as those found on pureedgeinc.org or online.harmonysel.org
- Provide engaging, collaborative, inquiry-based learning
- Positive reinforcers and incentive systems such as preferred items, rewards, token economies, verbal praise, or a ticket system
- Use a call to response such as *Teacher T, Give me S, and/or If you can hear me, clap once*
- Use positive verbal and nonverbal communication such as *if/then* statements

3. OPTIMISTIC CLOSURE

Time: 3-5 minutes



End class with reflection. Create a moment that makes students look forward to returning tomorrow.

Class Examples

- Exit ticket- Academic or non-academic
- Make a real world connection to the learning objective
- An inspirational quote
- Have students consider:
 - What is something I learned today?
 - Who is someone I was able to help?
 - Who helped or was kind to me?
 - What are you curious about?
 - Do you have an affirmation to share?



Additional Professional Learning

Learning Sessions	Description
Language and Literacy Leaders	The Language and Literacy Leaders session develops early literacy practices across the district. Educators, devoted to research-based instruction, include two K-2 teachers, one ESL and one BIL, from each participating campus. In the initial session, participants analyzed student data from mCLASS and CORE Phonics Survey to identify needs and design targeted small group lessons using research-based instructional routines. Language and Literacy Leaders engage in coaching cycles to support implementation of research-based instructional practices.
Academic Specialist Coaching Academy	Campus Academic Specialists and district coaches are attending monthly instructional coaching sessions to strengthen their understanding and implementation of best practices as they relate to the work of professional learning communities, Effective Schools Framework, and the Get Better Faster instructional coaching model.
STAAR 2.0, New Item Types	New STAAR Item types are introduced to students in district common assessments every 9 weeks, and they are also included in unit assessments in the curriculum. IISD shifted assessment platforms to ensure campuses and teachers had access to all new item types to use with students.



Targeted Support

Action	Description
Support Schedules	District instructional and behavioral coaches are following assigned schedules to support campuses. This includes Bilingual/ESL Coaches, Digital Learning Coaches, SPED Academic Specialists, SPED behavior interventionists, and behavior deans.
Central Office Targeted Support	45 central office coordinators, coaches and leads were paired with low-performing teams based on STAAR results. They plan regularly with their teams and complete observations with feedback. 10
MTSS Check-Ins	The MTSS Team is checking in with each campus quarterly this year to review students in need of tier 3 support academically and behaviorally. MTSS helps teams create data-driven goals and understand the MTSS processes and district support available.
First and Second Year Teachers	In addition to the purposeful planning and curriculum sessions, new teachers experience 3 in-person half day sessions, 2 live virtual sessions, individual and mentor check-ins which focus on research-based pedagogy practice, connection to district resources and personnel, and building interpersonal relationships. Second year teachers will complete individual and mentor check-ins ensuring they continue to develop small group instruction and real-time formative assessment/feedback proficiency.



Curriculum Management Plan

District leaders are currently attending the **ASCD Curriculum Leadership Academy**, where they are being introduced to the process of creating a Curriculum Management Plan. This comprehensive document outlines a strategic framework for managing the written, taught, and tested curriculum. The plan functions as a guiding document to ensure the effective development, delivery, and assessment of curriculum to enhance student learning and achievement while establishing a structure for continuous improvement and professional development.

Key Components:

- The written curriculum, which contains guidelines for customization, development, and revision.
- District instructional expectations for teaching curriculum, focusing on lesson design, instructional design characteristics, and data-driven instruction.
- District expectations for assessing curriculum, emphasizing the purpose and use of formative and summative assessments, and the components of an assessment program.
- Roles and responsibilities for curriculum management
- The district professional learning plan
- A glossary of terms, references, and exhibits are included to provide clarity and support the plan's implementation.

Campus Leadership Supports



2023-2024 Principal YAG



PRINCIPAL MEETINGS - Operational

PURPOSE: TO INFORM AND
EMPOWER PRINCIPALS

- *What:* District-led departments share information and train to build capacity
- *Audience:* Principals and district staff

PRINCIPAL LEADERSHIP DEVELOPMENT DAY (LDD)

PURPOSE: TO DEVELOP
INSTRUCTIONAL LEADERSHIP

- *What:* Leadership practices that support effective teaching and learning
- *Audience:* Principals, academic specialists, and one assistant principal (optional)

2023-2024 Principal YAG



Data Meetings

PURPOSE: TO ANALYZE STUDENT DATA, TO REFLECT ON STUDENT PROGRESS, SHARE ACTION PLANS, AND GET IDEAS ON STRATEGIES/PRACTICES THAT WILL IMPROVE INSTRUCTIONAL EFFECTIVENESS.

INSTRUCTIONAL ROUNDS and LEARNING WALKS

PURPOSE: TO OBSERVE THE LEARNING PROCESS IN THE CLASSROOM FOR CONTINUED IMPROVEMENT IN TEACHING AND LEARNING

- District Instructional Rounds
- Principal Learning Walks
- Assistant Principal Learning Walks



Irving ISD Instructional Leadership Priorities

Priority 1: Lesson Alignment and Formative Assessment

Priority 2: Data-Driven Instruction

Priority 3: Intervention and Extension

Priority 4: Observation and Feedback

[Irving ISD Instructional Leadership Priorities](#)



2023-2024 Campus Leader Supports

- **Principal Supervisors**
 - Campus Visits (70% of their time)
 - One-on-One Coaching
 - Weekly Principal Supervisor Meetings
 - Calibration Walks
 - Data Retreats
 - District-Level Leadership Meetings
 - Professional Learning
 - Monitor Campus Improvement Plan
 - Principal Pipeline - Identifying and Developing High Potential APs

WHAT'S NEW?



PRACTICE

2022-2023

2023-2024

Professional Learning on curriculum implementation and instructional strategies

Provided, **optional**, after-school



Required, minimum of 17 hours, built into work-day

Instructional Coaching

Training provided to Academic Specialists, **optional implementation**



Training provided to Academic Specialists and Campus Principals, **required implementation**

Intentional Monitoring

School Leadership EDs and Learning Services coaches spend **significant amounts of time** on campuses



70% of School Leadership EDs time spent on campuses, all Learning Services coaches **follow schedules and log time and tasks** completed

Instructional Leadership Non-negotiables

Provided within the targeted improvement plans developed by campus principals



Provided, **mandated**, weekly check-ins by school leadership EDs

Professional Learning on Behavior Management

Required for **some campuses**, after-school, implementation of Student Culture Teams



3 hours required for **all campuses**, built into work-day, implementation of Student Culture Teams, campuses closely monitoring behavior data



IRVING ISD
REIMAGINED



CONSENT AGENDA ITEM
October 23, 2023

TOPIC: Irving ISD Long Range Facility Master Plan with Educational Specifications

SUBMITTED BY: Dr. Andre Smith, Chief of Administrative Services

BACKGROUND: According to Texas Administrative Code Subchapter CC - Commissioner's Rules Concerning School Facilities Rule §61.1040; Standards for educational adequacy require a long-range facility plan to be developed and maintained by a school district for all school facilities. School districts must also develop educational specifications for instructional facilities. The long-range facility plan must be presented to the board of trustees and made available to the prime design professional for projects. Plan may be a campus specific or district-wide plan and must be updated every five years and prior to the commencement of a subsequent capital improvement project. (2023 – 2028)

Irving Independent School District developed the 2023 Educational Specifications to provide the link between learning and the design of educational facilities.

Educational Specifications are a fundamental part of the Irving ISD's Long Range Facility Plan and have been developed to support the district's goals and future needs. It should be noted that this is an evolving document and will need revision as technology, learning goals, and facility requirements dictate change.

District Goal #3: In Irving ISD, we will provide state-of-the-art facilities that rethink the present design of education for all students.

ADMINISTRATIVE RECOMMENDATION: The administration recommends that the Board of Trustees accepts and approves the Irving ISD Long-Range Facility Master Plan with Educational Specifications.

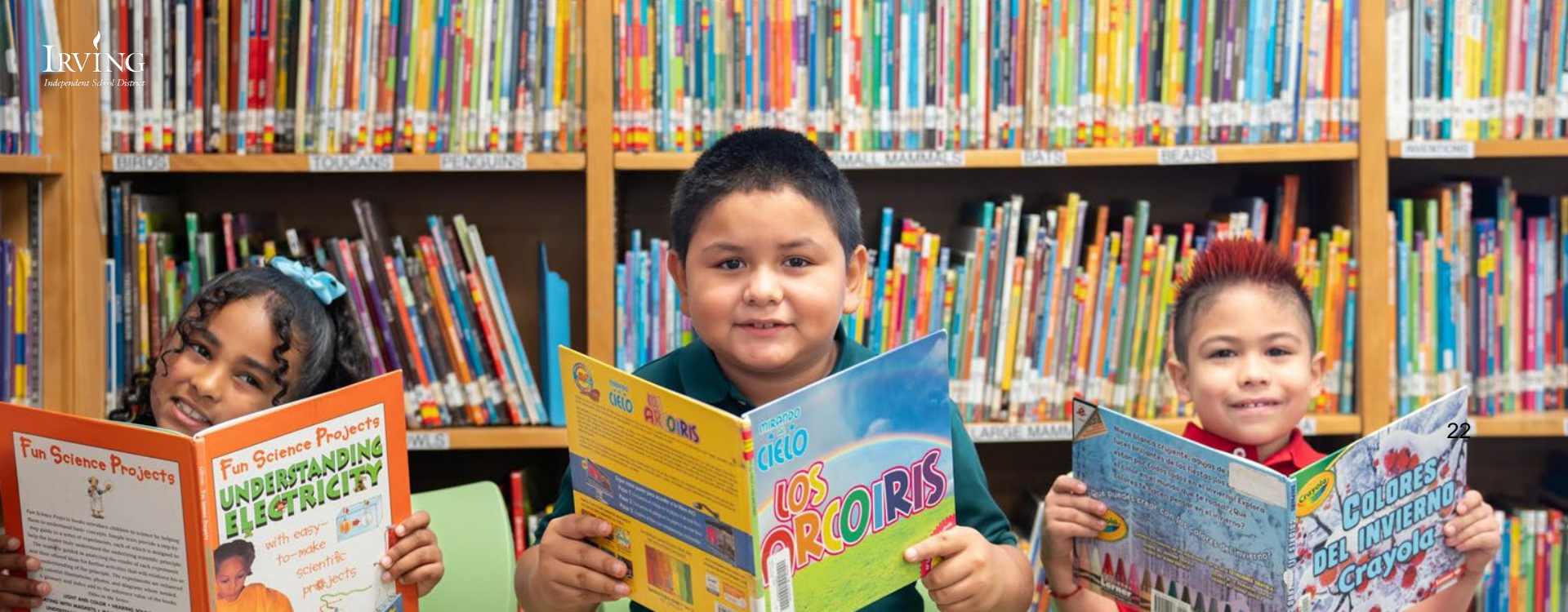
RECOMMENDED BOARD MOTION: (To be used only if item is pulled from the Consent Agenda for a separate vote) Click here to enter text.

Additional Agenda Sheets Attached: ✓



IRVING

INDEPENDENT SCHOOL DISTRICT



Irving ISD Facilities Long-Range Master Plan (2023)



Facilities Long-Range Master Plan

1. Educational Adequacy

- a) Long-Range Facility Plan
- b) Educational specifications

2. Administration

- a) Administration of construction quality standards
- b) School district requirements and responsibilities
- c) Requirements for construction services
- d) Requirements for design professional services
- e) Requirements for professional services of third-party consultants
- f) Contract compliance and construction quality control assurances.

3. Certification of Compliance with School Facilities Standards

- a) School district certifications
- b) Design professional certifications
- c) Contractor certifications
- d) General provisions



Facilities Long-Range Master Plan

4. Standards for Space for Instructional Facilities

5. Construction Quality Standards

- a) Construction code requirements
- b) Third-party code compliance requirements
- c) Other requirements

6. Safety and Security Standards

- a) Compliance requirements applicable to all instructional facilities campus-wide
- b) Additional standards based on the project construction budget
- c) Additional safety and security standards applicable to all instructional facilities campus-wide
 - i. Exterior door numbering
 - ii. Visitor management
 - iii. Security cameras

7. 2023 Bond

8. IISD District-wide Facilities Assessment



Educational Adequacy

Standards for educational adequacy require a **long-range facility plan** to be developed and maintained by a school district for all school facilities. School districts must also develop **educational specifications** for instructional facilities. The long-range facility plan must be presented to the board of trustees and made available to the prime design professional for the project. Plan may be a campus specific or district-wide plan and must be updated every five years and prior to the commencement of a subsequent capital improvement project. (2023 – 2028)



Long Range Facility Plan

(A) Elements. The long-range facility plan includes the following elements that apply to the facility and project(s) and has been updated prior to commencement of construction to include the access control document required in subsection (k)(1)(B) of this section:

- (i) existing and proposed instructional programs at the project campus, including special education, dual language, course offerings, and partnerships;
- (ii) the age and condition of all buildings and systems at the project campus; 26
- (iii) history of completed capital improvement projects at the facility;
- (iv) site evaluation of the project campus, including, but not limited to, overall site; shape; useable land; suitability for intended use as well as planned improvements; adequate vehicular, pedestrian, and emergency access; queuing; parking; and site amenities;
- (v) the school district's educational specifications;
- (vi) the school district's enrollment projections, maximum student enrollment of the facility, and the facility's maximum instructional capacity, if applicable; and
- (vii) the noncompliance, partial compliance, or full compliance with each of the safety and security standards required in subsection (k) of this section.



Long Range Facility Plan

(B) Process. The process of developing the long-range facility plan shall consider input from teachers, students, parents, taxpayers, and other school district stakeholders.

(C) Compliance. The requirement for a long-range facility plan is met when a school district completes the long-range facility plan, presents it ~~to~~ the school district board of trustees, and makes it available to the prime design professional for a capital improvement project. The long-range facility plan expires after five years from the date of the final plan presented to the school district board of trustees and must be updated prior to commencement of a subsequent capital improvement project. A long-range facility plan developed as part of a district-wide long-range facilities plan may be used to satisfy this requirement.

(See IISD District-Wide Facility Assessment)



Educational Specifications

Executive Summary of Educational Specifications

Educational specifications are a written document for proposed new school and/or major renovations used to serve as the district's guide to the architect and engineering community by providing a prescriptive vision of the built environment. Architects and engineers will still use the educational specifications to guide their programming and design.

Irving Independent School District developed the 2023 Educational Specifications to provide the link between learning and the design of educational facilities. They provide an outline of required educational concepts, detail the needs of the facility, and include desires and needs as provided by the community, teachers, administrators and facility managers. 28

Educational Specifications are a fundamental part of the Irving ISD's Long Range Facility Plan, and have been developed to support the district's future and goals. Educational specifications should provide the tools to achieve the overall student outcome goals of Irving ISD, however, they should also be flexible enough to ensure efficient design for each facility. The Educational Specifications are guidelines to allow the district to provide consistency within programs and design from campus to campus as well as reduce inequities, and provide a smooth planning and development process for future projects. It should be noted that this is an evolving document and will need revision as technology, learning goals, and facility requirements dictate change.



Educational Specifications

A school district shall ensure that a project for new construction and major renovation subject to this section complies with the requirements and standards as follows:

(A) Elements. Educational specifications are a written document prepared by the school district and approved by the school district board of trustees and shall include all the following:

- (i) the school district mission, vision, goals, and pedagogy;
- (ii) preliminary details related to facility type, grades served, and maximum student enrollment;
- (iii) pertinent provisions of the multi-hazard emergency operations plan that may inform the functionality of the built environment, including how the district complies with TEC, §37.108;
- (iv) a written statement that includes:
 - (I) inclusive design goals and considerations supported by the school district; and
 - (II) how inclusive design should be addressed in new and renovated facility designs;
- (v) minimum total square footage required to comply with the quantitative method of compliance; and
- (vi) innovative teaching or operational practices intended for implementation at the instructional facility that may lead to the use of the qualitative method of compliance.



Educational Specifications

(B) Schedule. An educational specification shall be created for each campus type. If the design and construction of a new campus or major renovation of an existing campus differs substantially from an educational specification that exists for the same campus type, a separate educational specification must be developed. Educational specifications shall be initiated upon the first proposed project of its type and must be completed prior to initiating the planning or programming phase of a project. Each educational specification must be updated after five years from the date of approval.

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(C) Compliance. The requirement for educational specifications is met when a school district delivers the approved document to the architect.

* **(3) Exceptions.** A school district is exempt from the requirements of this subsection:

(A) if a school facility experiences catastrophic damage and the school district board of trustees approves a capital improvement project in accordance with TEC, §44.0312(c); or

(B) in a situation deemed urgent by action of the school district board of trustees that warrants immediate action because, if left unresolved, it would impair the conduct of classes.



Educational Specifications

(A) Elements.

(i) the school district mission, vision, goals, and pedagogy;

MISSION:

We empower today to excel tomorrow.

VISION:

To become the premier district for educational excellence, fostering the full potential of students and empowering educators.



Educational Specifications

(A) Elements.

- (i) the school district mission, vision, goals, and pedagogy;

DISTRICT GOALS

Goal 1: In Irving ISD, each student will reach their highest potential and be college and career ready.

- Sub Goal 1: In Irving ISD, we will increase the percentage of third-grade students who score “Meets Grade Level” or above on STAAR Reading from 26.7% to 39% by June 2024.
- Sub Goal 2: In Irving ISD, we will increase the percentage of third-grade students who score “Meets Grade Level” or above on STAAR Math from 20.4% to 49% by June 2024.
- Sub Goal 3: In Irving ISD, we will increase overall CCMR Meets from 60% to 65% by 2024.

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Goal 2: In Irving ISD, we will increase parent and community engagement in the city of Irving

Goal 3: In Irving ISD, we will provide state-of-the-art facilities that rethink the present design of education for all students



Educational Specifications

(A) Elements.

- (i) the school district mission, vision, goals, and pedagogy;

REFLECTIVE COLLABORATIVE PRIORITIES (2022-2025)

1. **Replace outdated facilities and invest in critical campus renovations across the district.**
2. Focus on retention of staff and students by cultivating a positive teaching and learning environment.
3. Facilitate meaningful collaboration and planning between departments, administrators and educators.
4. Establish standard procedures to evaluate programs and processes throughout the district.
5. Commit to continuous improvement and communication across departments, administrators and educators.
6. Ensure high quality instruction by supporting educators in the use of curriculum, instruction and assessment.
7. Engage in meaningful conversations with stakeholders to inform organizational direction and district decision-making.



Educational Specifications

(A) Elements.

- (i) the school district mission, vision, goals, and pedagogy;

In Irving ISD, our essential purpose is to educate all students at high levels through quality teaching and learning. We are committed to a curriculum that imparts the knowledge, concepts, skills, and processes necessary for students to be successful and competitive in society. All Irving ISD students have access to the district's curriculum that incorporates, expands and enhances the state's curriculum standards.

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The curriculum for all grade levels is:

- informed by research and data
- developed with an awareness of future trends
- aligned to state standards
- equitable for all students
- designed to align instruction horizontally and vertically PreK-12
- regularly developed, revised, and improved
- conducive to teaching and learning with an emphasis on high expectations for student success



Educational Specifications

(A) Elements.

(i) the school district mission, vision, goals, and pedagogy;

The instruction for all grade levels has these characteristics:

- all students are supported and challenged in their learning
- strong and healthy student-teacher relationships that directly impacts learning and achievement
- teachers understand and address the different learning styles of their students
- parents and community value and support excellence in teaching



Educational Specifications

(A) Elements.

(i) the school district mission, vision, goals, and **pedagogy**;

The instruction for all grade levels has these characteristics:

- all students are supported and challenged in their learning
- strong and healthy student-teacher relationships that directly impacts learning and achievement
- teachers understand and address the different learning styles of their students
- parents and community value and support excellence in teaching



Educational Specifications

(A) Elements.

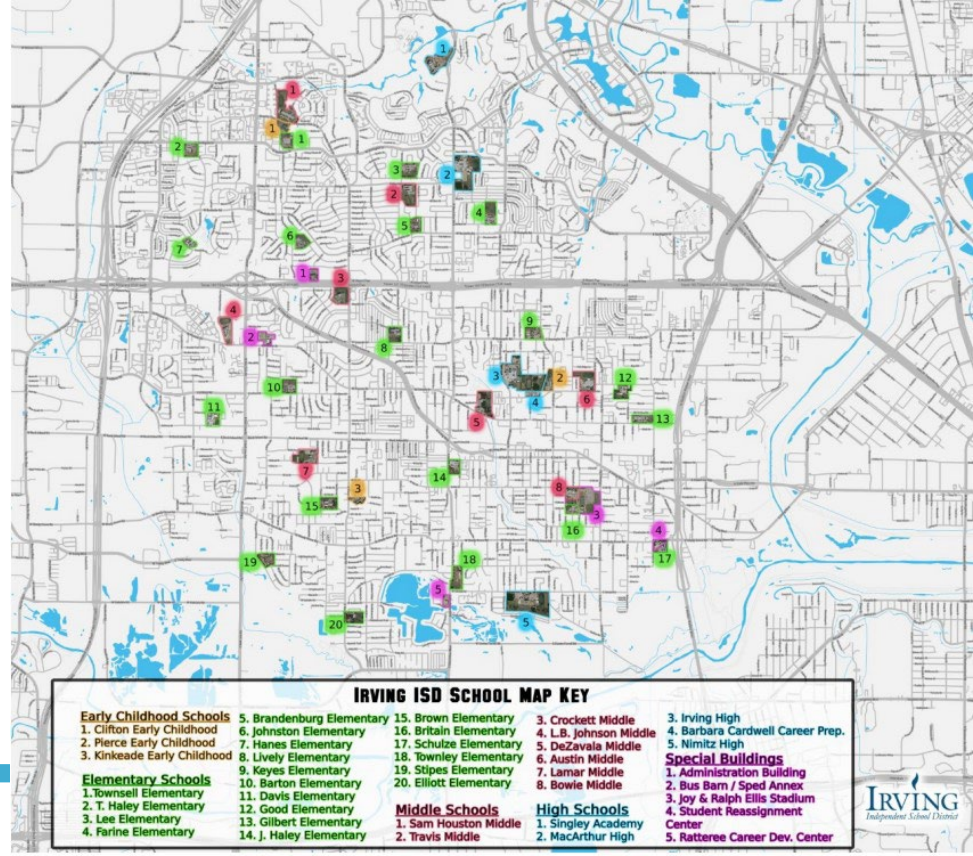
(ii) preliminary details related to facility type, grades served, and maximum student enrollment;

Early Childhood Centers (3) / Pre-K

Elementary Schools (20) / Pre-K - 5th

Middle Schools (8) / 6th - 8th

High Schools (5) / 9th – 12th





Educational Specifications

(A) Elements.

(iii) pertinent provisions of the multi-hazard emergency operations plan that may inform the functionality of the built environment, including how the district complies with TEC, §37.108;

A. Each school district or public junior college district shall adopt and implement a multi-hazard emergency operations plan for use in the district's facilities. The plan must address prevention, mitigation, preparedness, response, and recovery as defined by the Texas School Safety Center in conjunction with the governor's office of homeland security and the commissioner of education or commissioner of higher education, as applicable. The plan must provide for:

1. training in responding to an emergency for district employees, including substitute teachers;
2. measures to ensure district employees, including substitute teachers, have classroom access to a telephone, including a cellular telephone, or another electronic communication device allowing for immediate contact with district emergency services or emergency services agencies, law enforcement agencies, health departments, and fire departments;
3. measures to ensure district communications technology and infrastructure are adequate to allow for communication during an emergency;
4. if the plan applies to a school district, mandatory school drills and exercises, including drills required under Section 37.114 (Emergency Evacuations; Mandatory School Drills), to prepare district students and employees for responding to an emergency;



Educational Specifications

(A) Elements.

(iii) pertinent provisions of the multi-hazard emergency operations plan that may inform the functionality of the built environment, including how the district complies with TEC, §37.108;

5. measures to ensure coordination with the Department of State Health Services and local emergency management agencies, law enforcement, health departments, and fire departments in the event of an emergency; and

6. the implementation of a safety and security audit as required by Subsection (b).

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B. At least once every three years, each school district or public junior college district shall conduct a safety and security audit of the district's facilities. To the extent possible, a district shall follow safety and security audit procedures developed by the Texas School Safety Center or a person included in the registry established by the Texas School Safety Center under Section 37.2091 (Registry of Persons Providing School Safety or Security Consulting Services).

b-1. In a school district's safety and security audit required under Subsection (b), the district must certify that the district used the funds provided to the district through the school safety allotment under Section 42.168 (School Safety Allotment) only for the purposes provided by that section.



Educational Specifications

(A) Elements.

(iii) pertinent provisions of the multi-hazard emergency operations plan that may inform the functionality of the built environment, including how the district complies with TEC, §37.108;

C. A school district or public junior college district shall report the results of the safety and security audit conducted under Subsection (b) to the district's board of trustees and, in the manner required by the Texas School Safety Center, to the Texas School Safety Center. The report provided to the Texas School Safety Center under this subsection must be signed by:

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1. for a school district, the district's board of trustees and superintendent; or
2. for a public junior college district, the president of the junior college district.

(c-1) Except as provided by Subsection (c-2), any document or information collected, developed, or produced during a safety and security audit conducted under Subsection (b) is not subject to disclosure under Chapter 552 (Public Information), Government Code.

(c-2) A document relating to a school district's or public junior college district's multi-hazard emergency operations plan is subject to disclosure if the document enables a person to:

1. verify that the district has established a plan and determine the agencies involved in the development of the plan and the agencies coordinating with the district to respond to an emergency, including the Department of State Health Services, local emergency services agencies, law enforcement agencies, health departments, and fire departments;



Educational Specifications

(A) Elements.

- (iii) pertinent provisions of the multi-hazard emergency operations plan that may inform the functionality of the built environment, including how the district complies with TEC, §37.108;
2. verify that the district's plan was reviewed within the last 12 months and determine the specific review dates;
 3. verify that the plan addresses the four phases of emergency management under Subsection (a);
 4. verify that district employees have been trained to respond to an emergency and determine the types of training, the number of employees⁴² trained, and the person conducting the training;
 5. verify that each campus in the district has conducted mandatory emergency drills and exercises in accordance with the plan and determine the frequency of the drills;
 6. if the district is a school district, verify that the district has established a plan for responding to a train derailment if required under Subsection (d);
 7. verify that the district has completed a safety and security audit under Subsection (b) and determine the date the audit was conducted, the person conducting the audit, and the date the district presented the results of the audit to the district's board of trustees;
 8. verify that the district has addressed any recommendations by the district's board of trustees for improvement of the plan and determine the district's progress within the last 12 months; and



Educational Specifications

(A) Elements.

(iii) pertinent provisions of the multi-hazard emergency operations plan that may inform the functionality of the built environment, including how the district complies with TEC, §37.108;

9. if the district is a school district, verify that the district has established a visitor policy and identify the provisions governing access to a district building or other district property.

D. A school district shall include in its multi-hazard emergency operations plan a policy for responding to a train derailment near a district school. A school district is only required to adopt the policy described by this subsection if a district school is located within 1,000 yards of a railroad track, as measured from any point on the school's real property boundary line. The school district may use any available community resources in developing the policy described by this subsection.

E. A school district shall include in its multi-hazard emergency operations plan a policy for school district property selected for use as a polling place under Section 43.031 (Polling Place in Public Building), Election Code. In developing the policy under this subsection, the board of trustees may consult with the local law enforcement agency with jurisdiction over the school district property selected as a polling place regarding reasonable security accommodations that may be made to the property. This subsection may not be interpreted to require the board of trustees to obtain or contract for the presence of law enforcement or security personnel for the purpose of securing a polling place located on school district property.



Educational Specifications

(A) Elements.

(iii) pertinent provisions of the multi-hazard emergency operations plan that may inform the functionality of the built environment, including how the district complies with TEC, §37.108;

Failure to comply with this subsection does not affect the requirement of the board of trustees to make a school facility available for use as a polling place under Section 43.031 (Polling Place in Public Building), Election Code.

F. A school district shall include in its multi-hazard emergency operations plan:

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1. a chain of command that designates the individual responsible for making final decisions during a disaster or emergency situation and identifies other individuals responsible for making those decisions if the designated person is unavailable;
2. provisions that address physical and psychological safety for responding to a natural disaster, active shooter, and any other dangerous scenario identified for purposes of this section by the agency or the Texas School Safety Center;
3. provisions for ensuring the safety of students in portable buildings;
4. provisions for ensuring that students and district personnel with disabilities are provided equal access to safety during a disaster or emergency situation;
5. provisions for providing immediate notification to parents, guardians, and other persons standing in parental relation in circumstances involving a significant threat to the health or safety of students, including identification of the individual with responsibility for overseeing the notification;



Educational Specifications

(A) Elements.

(iii) pertinent provisions of the multi-hazard emergency operations plan that may inform the functionality of the built environment, including how the district complies with TEC, §37.108;

6. provisions for supporting the psychological safety of students, district personnel, and the community during the response and recovery phase following a disaster or emergency situation that:

(a) are aligned with best practice-based programs and research-based practices recommended under Section 161.325 (Mental Health Promotion and Intervention, Substance Abuse Prevention and Intervention, and Suicide Prevention), Health and Safety Code; 45

(b) include strategies for ensuring any required professional development training for suicide prevention and grief-informed and trauma-informed care is provided to appropriate school personnel;

(c) include training on integrating psychological safety and suicide prevention strategies into the district's plan, such as psychological first aid for schools training, from an approved list of recommended training established by the commissioner and Texas School Safety Center for:

(i) members of the district's school safety and security committee under Section 37.109 (School Safety and Security Committee);

(ii) district school counselors and mental health professionals; and

(iii) educators and other district personnel as determined by the district;



Educational Specifications

(A) Elements.

(iii) pertinent provisions of the multi-hazard emergency operations plan that may inform the functionality of the built environment, including how the district complies with TEC, §37.108;

(d) include strategies and procedures for integrating and supporting physical and psychological safety that align with the provisions described by Subdivision (2); and

(e) implement trauma-informed policies;

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(i) a policy for providing a substitute teacher access to school campus buildings and materials necessary for the substitute teacher to carry out the duties of a district employee during an emergency or a mandatory emergency drill; and

(ii) the name of each individual on the district's school safety and security committee established under Section 37.109 (School Safety and Security Committee) and the date of each committee meeting during the preceding year.

(g) A school district shall include in its multi-hazard emergency operations plan a policy for responding to an active shooter emergency. The school district may use any available community resources in developing the policy described by this subsection.

See IISD Security Emergency Operations Basic Plan



Educational Specifications

(A) Elements.

(iv) a written statement that includes:

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- (II) how inclusive design should be addressed in new and renovated facility designs;

The concept of '**Environment as a Third Teacher**' will play a foundational role in IISD's design philosophy. Natural light, order, and aesthetics are⁴⁷ key elements used to create beautiful environments to inspire children. IISD schools will incorporate flexible spaces that allow for collaborative, interdisciplinary, and project-driven learning. Flexible spaces will allow for easier modifications as teaching styles evolve.

- Open and inviting classrooms and common spaces that are carefully integrated with one another, as well as with the outside community.
- Use of natural furnishings and tasteful usages of color that engage students and encourage real-life interactions
- Presentation of classroom materials and resources in a way that draws attention and curiosity without feeling institutional.
- Display of project work, both completed and in-progress, is interwoven throughout the classrooms, to spark new creative ideas and engage students.
- Design and layout of workspaces that facilitate small and large group activities or independent work.



Educational Specifications

(A) Elements.

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BUILDING CAPACITY

Capacity is the number of students that can be accommodated in a building for instruction in a maximally efficient manner. Capacity numbers are affected by a series of variables including room use, planning factors, building infrastructure, class size and building codes. Planning factors are used to determine a ratio for teaching staff to students. Irving ISD determines capacity based on state standards in combination with desired utilization to allow for flexibility.

BUILDING ELEMENTS

Energy & Sustainability

Irving ISD is committed to become “an energy efficient and sustainable school district.” It is the District’s desire to reduce the impact of the environment by reducing costs, conserving energy and encouraging and continuing sustainable practices. Energy Conservation Guidelines as provided by Irving ISD’s Energy Management Department should be followed in compliance of Senate Bill 12 and the Texas Energy Conservation Office.



Educational Specifications

(A) Elements.

(iv) a written statement that includes:

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BUILDING ELEMENTS (cont...)

Heating, Venting, and Air Conditioning (HVAC)

- HVAC systems should be compliant with applicable Energy Conservation Guidelines listed and TxCHPS.
- Humidity control and low-noise HVAC should be provided in the following spaces:
 - Library/Media Center
 - Instructional Materials Storage
 - Performance Areas (stage, music rooms)
- Provide dedicated HVAC for the following rooms:
 - MDF & IDF
 - Dry Food Storage



Educational Specifications

(A) Elements.

(iv) a written statement that includes:

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BUILDING ELEMENTS (cont...)

Heating, Venting, and Air Conditioning (HVAC)

- Ensure adequate HVAC is provided where copiers, ice machines, refrigerators, vending machines and/or multiple computers are present.
- Office spaces (Administration, Counseling, etc.) should have zoned air with option to over-ride if space is occupied after-hours.
- Separate zones should also be provided for the following areas:
 - Cafeteria/Student dining and all associated spaces
 - Kitchen/Food Prep and all associated spaces
- Exhaust fans should be provided at all restrooms.



Educational Specifications

(A) Elements.

(iv) a written statement that includes:

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BUILDING ELEMENTS (cont...)

Heating, Venting, and Air Conditioning (HVAC)

- Proper ventilation should be provided at the following spaces:
 - Observation Rooms
 - Laundry Rooms
 - Kitchen/Cooking Spaces
 - Workrooms (as necessary)
 - Kiln (Fume ventilation built-in) (if applicable)
 - Custodial Closets/Chemical Storage Rooms
 - Flammable Storage Rooms
- A Food Services Design Professional shall be consulted in design of mechanical systems for walk-in coolers and freezers.



Educational Specifications

(A) Elements.

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BUILDING ELEMENTS (cont...)

Electrical

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Power

- All electrical systems shall be in compliance with the code
- All rooms/offices should have a minimum of two duplex electrical outlet per wall, unless otherwise directed. In larger spaces additional outlets should be provided as necessary, with no less than one duplex outlet every 8’.
- Classroom Requirements:
 - Minimum of two duplex electrical outlets per wall (with safety covers at PreK/K & 1st grades).
 - Minimum of one quad electrical outlet with two data ports located at 36” AFF at the Teacher’s desk and student computer charging carts.
 - One quad electrical outlet with data at 18” AFF at Teaching Wall.
 - No floor outlets.



Educational Specifications

(A) Elements.

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BUILDING ELEMENTS (cont...)

Electrical

53

Power

- Other rooms that require one quad electrical outlet with two data ports at eight (8) wall locations (in addition to duplex outlets) are as follows:
 - Library/Media Center
 - Workrooms
- Gymnasium:
 - One duplex outlet every 8', with a minimum of two per wall.
 - Minimum of one quad electrical outlet with two data ports on each wall



Educational Specifications

(A) Elements.

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BUILDING ELEMENTS (cont...)

Electrical

Power

- Provide retractable overhead power reels at Makerspace.
- Outlets to include both 110v power and USB.
- Each Classroom should have one 240v power outlet.
- Multiple charging stations should be provided at library, dining, collaboration spaces, and corridors. Provide charging lockers in collaboration spaces.
- Provide dedicated outlets above countertops at teachers' lounge and workroom, and in areas where multiple appliances/machines will be used simultaneously.
- Provide adequate power and data for all copiers based on manufacturers recommendations.



Educational Specifications

(A) Elements.

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BUILDING ELEMENTS (cont...)

Electrical

Lighting

- All typical classrooms to have a minimum of nine (9) fixtures with a minimum foot candle level of 50 at student desks.
- Fixtures to be parallel to writing surfaces.
- Provide dual switching in all learning environments.
- No skylights.

Plumbing

- Provide drinking fountains with bottle filling capabilities near all student/group restrooms, gymnasias, cafeteria and student dining areas. Drinking fountains will also be provided within PreK/K and 1st grade classrooms or within close proximity which allows direct supervision from the classroom.



Educational Specifications

(A) Elements.

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BUILDING ELEMENTS (cont...)

Plumbing

- Provide tempered and cold-water connections for sinks in classrooms.
- Access doors to all plumbing chases should be provided (7'-0" tall).
- Hose bibs in all restrooms for cleaning; use tempered water line.
- Floor drain in all restrooms.

SITE PLANNING / PARKING

- Design for optimal site utilization should be considered.
- Use best practices within Texas Energy Codes and other relevant codes in consideration of solar orientation of campus.
- All sidewalks to be in full compliance with ADA/TAS.
- Wheelchair ramps should be provided at bus and parent drop-off/pick-up.



Educational Specifications

(A) Elements.

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SITE PLANNING / PARKING

- Master Plan for future expansion to include parking, portable classrooms, playground locations, and pedestrian paths. 57
- Site lighting should be abundant for security purposes; especially near front and rear entrances, as well as parking. Provide abundant lighting at kitchen service entry.
- Appropriate site fencing should not exceed 6' tall.
- Proper drainage should be planned to ensure no water stands on site except at detention/retention ponds as necessary.
- Main entry to campus shall be easily identifiable, and immediately accessible off parent drop off area.
- Provide a secured vestibule at entrance/front of school.
- All paving should be concrete - no asphalt.
- Parking, queuing spaces need to be planned according to a campus Traffic Study and Parking analysis.



Educational Specifications

(A) Elements.

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SERVICE COURT / DELIVERY AREA

- Delivery and service areas shall be located to provide vehicular access that is separate from parent/bus drop off areas and does not jeopardize the safety of students and staff.
- Delivery/utility vehicles have direct access from the street to the delivery area without crossing over playground, field areas, or drop-off areas.
- Trash pickup is fenced or otherwise isolated and away from foot traffic areas and should be properly screened from street view or play areas.
- Consider turning radius of trucks during design.
- Concrete pads to be provided for dumpsters and recycling bins



Educational Specifications

(A) Elements.

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OUTDOOR FACILITIES

- Supervision of playgrounds should not be obstructed by buildings or objects that impair observation and supervision.
- Provide fenced-in playground areas. Playground structures should include grade and size appropriate activities.
- Concrete paved play areas with basketball goals and other markings to be provided as applicable to campus programming

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LANDSCAPING

- Consider using low maintenance, natural/native plants to meet sustainable design principles, including city of Irving initiatives.
- When planning site plantings, take into consideration the opportunity for outdoor learning spaces.
- Where possible, allow for school gardens and interactive learning areas
- Provide appropriate irrigation for front of school and school play fields/areas.



Educational Specifications

(A) Elements.

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GENERAL NOTES

- Building placement shall consider compatibility of the various functions on campus and provide ideal patterns of pedestrian flow around and within buildings. Site layout shall enhance security of staff and students.
- Take into considerations surrounding neighborhood when planning for safety and security for students, school property and after-hours event usage of site.
- Provide flagpoles for US and Texas flags. Provide lighting for flagpole.
- Provide a monument sign or electronic marquis in front of school as applicable for campus programming
- Ensure restrooms are conveniently located, require minimum supervision, and to the extent possible, are easily accessible from playgrounds, classrooms and other common spaces.
- Student entry points into classrooms from the playground shall be carefully planned to enhance supervision.



Educational Specifications

(A) Elements.

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SAFETY & SECURITY

Student and staff safety in our schools is of paramount importance. With increased media attention and recent security events, school districts and the general public have been made aware of the vulnerability that confronts the typical public-school facility. Safety and security must therefore be an important consideration of these educational specifications. The design and renovation of Irving ISD facilities shall comply with the following CPTED (Crime Prevention Through Environmental Design) principles where applicable:

- **Territoriality:** People protect territory that they feel is their own and have a certain respect for the territory of others. Fences, pavement treatments, art, signs, good maintenance, and landscaping are some physical ways to express ownership. Identifying intruders is much easier in a well-defined space.
- **Access Control:** Properly located entrances, exits, fencing, landscaping, and lighting can direct both foot and automobile traffic in ways that discourage crime. Access control can be as simple as a neighbor on the front port or a front office. Other strategies include closing streets to through traffic or introducing neighborhood-based parking stickers.”



Educational Specifications

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SAFETY & SECURITY (cont...)

- **Natural Surveillance:** Criminals don't want to be seen. Placing physical features, activities, and people in ways that maximize the ability to see what's going on discourages crime. Barriers, such as bushes, sheds, or shadows, make it difficult to observe activity. Landscaping and lighting can be planned to promote natural surveillance from inside a home or building and from the outside by neighbors or people passing by. Maximizing the natural surveillance capability of such "gatekeepers" as parking lot attendants [or security personnel] is also important.
- **Activity Support:** Encouraging legitimate activity. In public spaces helps discourage crime. A basketball court in a public park or community center will provide recreation for youth, while making strangers more obvious and increasing active natural surveillance and the feeling of ownership. Any activity that gets people out and working together – a clean-up day, a block party, a Neighborhood Watch group, a civic meeting –helps prevent crime.



Educational Specifications

(A) Elements.

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SAFETY & SECURITY (cont...)

- A security system that provides perimeter controls, intrusion detection and surveillance should be considered.
- Irving ISD School Safety and Security Department shall be engaged early in the design process, and periodically throughout to ensure proper safety and security standards are met.
- All security systems must comply with and work in conjunction with district-wide monitoring and control systems and centers.
- See **Safety and Security Standards slide** for all other design considerations



Educational Specifications

(A) Elements.

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SPACE PROGRAMMING

ADMINISTRATION SUITE

64

After entering through a secured vestibule, students, parents and visitors will be further screened and greeted in the Administration reception area. The administrative offices and guidance services will be in this centralized area at the main entrance to the school along with the health clinic for campus.

Administration/Guidance

- Clear glass at reception area should be provided for open sight lines.
- Principal's office should have direct access to Conference Room and Secretary Office.
- Faculty breakrooms should be in proximity to restrooms. For two-story schools, a second breakroom should be provided on 2nd floor.
- A parent/volunteer space should be provided for parent groups/PTA to work and meet. This should be located near front entry.



Educational Specifications

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SPACE PROGRAMMING

ADMINISTRATION SUITE

65

Functions:

- Reception/waiting area also serves as staff work area; provide transaction counter for parent/student sign-in/sign-out.
- Offices for Principal, Assistant Principal, Secretary, etc. shall be used for administrative duties as well as meetings with staff, students and/or parents.
- Conference Rooms shall be provided for staff/department meetings as well as larger Admission, Review and Dismissal (ARD) meetings with students/parents.
- Workroom space for staff should include a copier, counters, workspace as well as mailboxes.
- Breakroom space for teacher/faculty to complete tasks, eat a meal and/or visit with other staff.



Educational Specifications

(A) Elements.

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SPACE PROGRAMMING

ADMINISTRATION SUITE

66

Health Clinic

- Clinic should be accessible from main corridor for easy access by students/parents. Location should allow observation from administration office when school nurse is not in clinic.
- Exam space should have sound proofing provided for audio testing.
- Lights should be switched to allow for cots to be darkened while treatment areas are bright.

Functions:

- Clinic should have a waiting area to serve as reception space adjacent to exam/treatment spaces. Locate close to main reception.
- Nurse office should be large enough to accommodate 3-4 people for student/parent meetings.
- Treatment area/cots for students who are ill shall have cubicle curtains and each cot area to have electrical outlets.



Educational Specifications

(A) Elements.

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SPACE PROGRAMMING

MDF/IDF ROOMS

67

- Confirm with Irving ISD Technology Design Guidelines for wiring specifications, services, and requirements for these spaces.
- Cooling, heating and humidity control for these rooms shall be independently controlled, and provide service 24-hours a day, 365-days a year.
- These rooms will be located where appropriate within in the campus (not in Administration).

Functions

- The MDF room shall serve as the Main Distribution Frame room for the entire campus.
- The IDF rooms will be intermediate distribution frame rooms for the campus and should be distributed through the campus to comply with cabling distance requirements.



Educational Specifications

(A) Elements.

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SPACE PROGRAMMING

CORE ACADEMICS CLASSROOMS

68

Irving ISD's schools will be a safe and inviting environment for children. Schools will be designed with classrooms that support students learning independently and in group settings. All classrooms should be designed in a way to help support students and their educational success at every level from Pre-K to High School with an intent of the flexibility and multi-purpose usage. Classrooms will need to be designed to be adaptable and specialty classrooms that adhere to the standards of space instructional facilities slide.

SPECIAL EDUCATION

Special Education facilities shall provide students who require specialized learning and/or additional medical assistance providing the opportunity to be an integral part of the education environment.



Educational Specifications

(A) Elements.

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SPACE PROGRAMMING

SPECIAL EDUCATION

69

- All spaces within Special Education are to meet ADA/TAS standards for wheelchair accessibility.
- Consult with Irving ISD and Special Education Department when determining which classroom types are to be included within facility to fit the local education plan.
- Provide specialized play equipment for students; all features associated with outdoor play area must meet ADA/TAS accessibility standards. Play area should be fenced (as applicable)
- Special Education should be located in proximity to Administration with easy access to the Health Clinic.
- Adjustable height tables should be provided in classrooms.



Educational Specifications

(A) Elements.

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SPACE PROGRAMMING

SPECIAL EDUCATION

- Space needs to be able to accommodate adaptive equipment such as hospital bed, wheelchair and/or lift.
- Provide cameras as required by Texas Education Code Section 29.022.
- Consider tile in instructional spaces/areas.

Function:

Specialized Classrooms:

- Learning space for students with behavior concerns, individual learning requirements, and/or specialized medical care.



Educational Specifications

(A) Elements.

(iv) a written statement that includes:

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SPACE PROGRAMMING

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LIBRARY / MEDIA CENTER

The Library/Media Center will be a space for teaching, learning, and a technology hub for the campus. Libraries and their purpose are evolving from a center of books to a combination of reading lounge and technology information distribution center.

- Circulation desk should allow for observation of the library by the librarian and/or staff and be large enough to accommodate two computers/workstations.
- Stack areas should be aligned for easy supervision.
- Audio/visual equipment is used commonly in these areas, therefore the ability to control overhead lighting and block out lights from windows should be provided.
- Plenty of wireless access points should be provided to ensure coverage in the library.



Educational Specifications

Irving ISD New Library Design Considerations

A school district shall consider the School Library Standards and Guidelines as adopted under Texas Education Code, §33.021, when developing, implementing, or expanding library services.

Libraries for campuses with a planned student capacity of 100 or less shall be a minimum of 1,400 square feet.

Libraries for campuses with a planned student capacity of 101 to 500 shall be a minimum of 1,400 square feet plus an additional 4.0 square feet for each student in excess of 100.

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Libraries for campuses with a planned student capacity of 501 to 2,000 shall be a minimum of 3,000 square feet plus an additional 3.0 square feet for each student in excess of 500.

Libraries for campuses with a planned student capacity of 2,001 or more shall be a minimum of 7,500 square feet plus an additional 2.0 square feet for each student in excess of 2,000.

A school district that plans to locate more than 12 student computers in the library shall add 25 square feet of space for each additional computer anticipated.



Educational Specifications

5.2.0 The school library program features a facility that meets the needs of individual students, small groups, and classes as defined by the Texas Administrative Code (TAC) regarding [Library Facilities](#)

Distinguished	Accomplished	Proficient	Developing	Improvement Needed
<p>5.2.1 90% of the library facility meets TAC state and federal guidelines for:</p> <ul style="list-style-type: none"> • Simultaneous access • Space for individual students, small groups and/or classes • A flexible, inclusive, safe, and aesthetically appealing environment for learning <p>*Please see Appendix Dimension 7.17.2 for specific square footage by student enrollment</p>	<p>80% of the library facility meets TAC state and federal guidelines for:</p> <ul style="list-style-type: none"> • Simultaneous access • Space for individual students, small groups and/or classes • A flexible, inclusive, safe, and aesthetically appealing environment for learning 	<p>70% of the library facility meets TAC state and federal guidelines for:</p> <ul style="list-style-type: none"> • Simultaneous access • Space for individual students, small groups and/or classes • A flexible, inclusive, safe, and aesthetically appealing environment for learning 	<p>60% of the library facility meets TAC state and federal guidelines for:</p> <ul style="list-style-type: none"> • Simultaneous access • Space for individual students, small groups and/or classes • A flexible, inclusive, safe, and aesthetically appealing environment for learning 	<p>50% of the library facility meets TAC state and federal guidelines for:</p> <ul style="list-style-type: none"> • Simultaneous access • Space for individual students, small groups and/or classes • A flexible, inclusive, safe, and aesthetically appealing environment for learning



Educational Specifications

Irving ISD New Library Design Considerations

The space allotments within the library shall be based on a formula of:

30% for the reading/instructional area and reference/independent study area;

45% for the stack area, circulation desk/area, and computer/online reference areas;

25% for the necessary ancillary areas.

Windows shall be placed so that adequate wall and floor space remains to accommodate the shelving necessary for the library collection size established by the School Library Standards and Guidelines.

Collection Size - Minimum recommendations (Libraries Count, AASL, 2012)

7.7.0 Elementary Minimum — Collection Size of Print and Digital Resources				
Distinguished	Accomplished	Proficient	Developing	Improvement Needed
7.7.1 15,000 print or 18 books per student whichever is greater	13,000 print or 16 books per student whichever is greater	11,000 print or 14 books per student whichever is greater	9,000 print or 12 books per student whichever is greater	Less than 7,000 books or fewer than 12 books per student whichever is greater.
7.7.2 2,600 digital or 80% print/20% digital ratio	Fewer than 20% digital materials	Fewer than 15% digital materials	Fewer than 10% digital materials	No digital resources
7.8.0 Secondary Minimum — Collection Size of Print and Digital Resources				
Distinguished	Accomplished	Proficient	Developing	Improvement Needed
7.8.1 13,000 print or 16 books per student whichever is greater.	12,000 print or 14 books per student whichever is greater.	10,000 print or 12 books per student whichever is greater.	8,000 print or 10 books per student whichever is greater.	Less than 8,000 books or fewer than 10 books per student whichever is greater.
7.8.2 3,600 digital or 60% print/40% digital ratio	Fewer than 30% digital materials	Fewer than 20% digital materials	Fewer than 10% digital materials	No digital resources



Educational Specifications

Irving ISD New Library Design Considerations

A future-ready library space includes a focus on flexibility, collaboration, and is teaching and user-centric. Key elements keep the space flexible with the potential to last a couple of decades:

Flexibility and adaptability to accommodate evolving needs and changing technologies. Use modular furniture, movable shelves, and flexible spaces that can be easily reconfigured to accommodate different activities and user preferences.

Multiple self-check kiosks vs. large, outdated circulation desk. Future-ready school librarians are out in the space serving students.

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Portable teaching stations, whiteboards, smart boards, and other teaching supports.

Plan to house collection based on state standards (above).

Low, movable shelving to accommodate current and future collection needs. Include options for some forward-facing bookcases to support dynamic shelving.

Space design can adapt to not-yet-imagined emerging technologies that integrate seamlessly into the library space. Provide numerous power outlets, charging stations (technology bar), and reliable Wi-Fi connectivity throughout the library. Incorporate smart features like smart boards to support instruction, interactive displays that can be used for instruction and collaboration, digital signage that can be easily changed, and self-checkout systems.



Educational Specifications

Irving ISD New Library Design Considerations

Collaborative spaces to support group work and interactive learning. Incorporate comfortable, modular seating, writable surfaces, and multimedia capabilities to support collaborative projects. If budget and space allow, consider incorporating group study rooms, project spaces, and multimedia production areas (support morning broadcasts, STEM labs, etc.)

Maker spaces and innovation zones: Dedicate areas within the library for maker spaces and innovation zones, where users can engage in hands-on learning, experimentation, and creation. Equip these spaces with tools such as 3D printers, robotics kits, coding stations, and virtual reality/augmented reality equipment.

Digital resources and access: digital resources, including e-books, online databases

Ensure that users can access these resources from anywhere within the library using their own or library-provided devices.

Comfortable reading areas: Create comfortable areas catering to diverse reading preferences. A mix of soft seating options, reading nooks, comfortable chairs, and ergonomic workstations.

Multi-functional spaces that can serve multiple purposes. Ex: quiet reading area could be transformed into a venue for author visits or workshops.

Movable walls, flexible furniture, and adjustable lighting.

Library space should be accessible to all users with features such as ramps, elevators, and adjustable-height furniture.



Educational Specifications

(A) Elements.

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SPACE PROGRAMMING

PHYSICAL EDUCATION

77

Physical education programs shall include indoor and outdoor facilities. These areas are utilized after hours for community use therefore access from the outside should be considered.

Gymnasium: Fitness/exercise activities such as games, sports, tumbling and/or other motor skills activities. Athletic competitions will also take place in the gym.

PE Equipment Storage: Storage of PE equipment and materials.

Restrooms: Restroom facilities with access from gymnasium.

Office: PE Teacher/Coach administrative duties and athletic/ PE activities coordination.



Educational Specifications

(A) Elements.

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SPACE PROGRAMMING

VISUAL ARTS

78

Visual Arts provide students with the opportunity to express creative qualities and learn to enhance their artistic abilities through hands on learning and creating.

- Art rooms should be located on the 1st floor when possible.
- Art rooms should be conveniently located near outdoor space/courtyard.
- Floor should be sealed concrete.
- All cabinets in Art Classroom should be lockable.



Educational Specifications

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SPACE PROGRAMMING

PERFORMING ARTS

Music Classrooms will be provided to allow students to explore all aspects of music.

- Music classroom shall be located near or adjacent to platform/stage.
- Consider doors that open into wings of stage from classroom. Doors should have acoustical seals.
- Student restrooms and drinking fountains should be located within proximity to music.



Educational Specifications

(A) Elements.

(iv) a written statement that includes:

- (I) inclusive design goals and considerations supported by the school district; and
- (II) how inclusive design should be addressed in new and renovated facility designs;

SPACE PROGRAMMING

FOOD SERVICE & STUDENT DINING

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Student dining area should be an inviting and warm environment with easy access from main corridor.

- All components of the Food and Child Nutrition Services (FCNS) program shall comply with requirements set for by the Authorities having jurisdiction, Environmental and Health Services Food Protection and Education Department codes and regulations. All Food Service area designs should be coordinated with a Food Service Design consultant and reviewed with Dallas ISD Food and Child Nutrition Departments during design process.
- Food service, dining spaces and restrooms are to have separate secure access to accommodate after-hours usage and access by personnel outside of regular school hours as well as separate HVAC system for year-round temperature and humidity control.



Educational Specifications

(A) Elements.

(iv) a written statement that includes:

- (I) inclusive design goals and considerations supported by the school district; and
- (II) how inclusive design should be addressed in new and renovated facility designs;

SPACE PROGRAMMING

MAINTENANCE & CUSTODIAL

Maintenance department and custodial includes the upkeep of the campus as well as cleaning.

- Loading dock to be shared with Food Services.
- Provide rain cover/over-hang at dock for protection.

Receiving & Storage

- Receiving of all supplies/materials and equipment.
- Storage of supplies, etc.

Facility Supervisor Office:

- Administrative workspace/area.



Educational Specifications

(A) Elements.

(iv) a written statement that includes:

- (I) inclusive design goals and considerations supported by the school district; and
- (II) how inclusive design should be addressed in new and renovated facility designs;

SPACE PROGRAMMING

MAINTENANCE & CUSTODIAL

Locker Room/Restroom:

- Storage of personal belongings.
- Toilet room for custodial staff.

Lawn & Flammable Storage:

- Outdoor storage for flammable liquids and lawn equipment.

Custodial Storage/Closets:

- Storage of custodial supplies and equipment.
- Closets with cleaning equipment and supplies; include mop sink



Educational Specifications

(A) Elements.

(v) minimum total square footage required to comply with the quantitative method of compliance

See Standards for Space for Instructional Facilities Slide



Educational Specifications

(A) Elements.

(vi) innovative teaching or operational practices intended for implementation at the instructional facility that may lead to the use of the qualitative method of compliance.

Innovative Teaching Strategies for Improved Student Engagement

Flip the Classroom

In a flipped classroom students review lecture material at home and work on projects and assignments in the classroom. Students in the flipped classroom complete coursework typically sent home as homework in class. The flipped classroom provides a great space for peer-to-peer collaboration. Students can engage one another to complete group projects, debates, and practice. Teachers are not the center of the flipped classroom. Instead, teachers are more flexible, addressing personalized help and direction for students and student groups as they complete their work.

Project-Based Learning (PBL)

Project-based learning is an effective method that helps students drive their own learning journey. In a PBL exercise, students identify a real-world problem then develop a solution. Project-based learning relies on developing key skill sets such as research, critical thinking, problem-solving, and collaboration. Project-based learning is an active method of learning where students gain mastery through the application of their knowledge rather than rote memorization. Like the flipped classroom, the teacher's role becomes that of a guide and the students take ownership of their learning.



Educational Specifications

(A) Elements.

(vi) innovative teaching or operational practices intended for implementation at the instructional facility that may lead to the use of the qualitative method of compliance.

Innovative Teaching Strategies for Improved Student Engagement

Inquiry-Based Learning

Inquiry-based learning develops thinking and problem-solving skills. Instead of driving the class through a lecture-style format, the teacher poses questions, scenarios, and problems. Students then research these topics individually or in groups to formulate their answers. They can then present their findings and supporting evidence to the class along with the other students. Students are then able to further develop their answers by listening to what other students have found as well as identifying areas that require more attention and detail.

Ask Open-Ended Questions

If students rely too heavily on textbook answers, they may develop a tendency to think there are only right and wrong answers. However, most questions don't have right or wrong answers. To develop 21st century skills, students need to exercise conversational skills and empathy in order to develop the ability to communicate and collaborate. By asking open-ended questions, teachers encourage vibrant in-class conversations. Students can piece together different information learned or experienced in their life to stitch together cohesive points. This can encourage students to not only find their voice but express themselves as well.



Educational Specifications

(A) Elements.

(vi) innovative teaching or operational practices intended for implementation at the instructional facility that may lead to the use of the qualitative method of compliance.

Innovative Teaching Strategies for Improved Student Engagement

Peer Teaching

Students exhibit mastery when they explain or teach others. In peer teaching, students choose an area of interest within the scope of the subject being taught. They can independently research the topic and create a presentation on it. Students then present to the class to teach their peers about their topic. With peer teaching, students learn skills such as independent study, presentation skills, and confidence.

Active Learning

Active learning methods encourage students to discuss, contribute, participate, investigate, and create. Active learning challenges students by questioning them, requiring problem-solving and critical thinking. Most importantly, active learning engages students and requires them to be active in the classroom.



Educational Specifications

(A) Elements.

(vi) innovative teaching or operational practices intended for implementation at the instructional facility that may lead to the use of the qualitative method of compliance.

Innovative Teaching Strategies for Improved Student Engagement

Blended Learning

Blended learning combines physical and online learning experiences that give students more control over the time, place, path, and pace of instruction. Blended learning provides traditional classroom experiences as well as online tools and learning opportunities. Technology is a key component of blended learning as it is for students in the real world. The flexibility of blended learning enables students to have more control over their learning methods with options of online lectures at home, engaging in peer groups for collaborative activities, or joining lecture-based virtual classes and doing their homework independently.

Feedback

Students need to learn how to offer constructive feedback as well as accept feedback. Students should be equipped with a mechanism for providing feedback. In a virtual classroom, feedback tools like polling or emojis are a great way for quick feedback cycles. Another option is to challenge or ask students to expand upon their feedback then ask other students with opposing opinions to discuss why they think differently.



Administration

1. Administration of construction quality standards
2. School district requirements and responsibilities
3. Requirements for construction services
4. Requirements for design professional services
5. Requirements for professional services of third-party consultants
6. Contract compliance and construction quality control assurances



Administration

Administration of construction quality standards

(A) This subsection establishes standards for the administration and procurements of design professional services and other professional services and for the administration of competitive bids and contracting requirements for construction services. A school district shall comply with requirements in this subsection and with all applicable requirements, restrictions, and responsibilities established in state law, administrative code, or by a local authority having jurisdiction. **See IISD Purchasing**

(B) A school district shall comply with the administrative and procedural requirements established in this subsection and with the standards⁸⁹ established in subsection (j) of this section to promote construction quality and best value for a capital improvement project subject to this section.

(C) A standard in this section that incorporates by reference a key statutory provision or administrative rule is established as a compliance requirement for a school district seeking to procure, obtain a competitive bid, or administer a contract for construction services, construction-related services, design professional services, or any other professional service required for a capital improvement project. The requirements establish a method by which a school district shall demonstrate compliance with the requirements in this subsection and with the construction quality standards and construction code requirements in subsection (j) of this section. Any express reference to, or omission of, an applicable statutory provision in this subsection may not be construed to diminish, alter, or abate a provision of law applicable to a school district or to a school district capital improvement project subject to this section.



Administration

School district requirements and responsibilities

(A) In accordance with TEC, §46.003(g), the board of trustees and voters of a school district shall determine district needs concerning construction, acquisition, renovation, or improvement to instructional facilities. School district funding is entrusted to the district by the taxpayers, and a district must ensure procurement processes and procedures are transparent and provide the best value to the district by complying with applicable laws governing procurement of professional design services and construction services and with the standards established in this subsection to promote construction quality.

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(B) In accordance with TEC, §11.201, a superintendent shall oversee and ensure compliance with the standards for school facilities established in this section pursuant to TEC, §46.008, and shall ensure board consideration for any action specified as being required to be made by the board of trustees, whether by statute, board rule, or other applicable requirement.

(C) In accordance with TEC, §44.0312(b), a board of trustees may not delegate the authority to act regarding an action authorized or required by TEC, Chapter 44, Subchapter B, to be taken by a board of trustees of a school district.

(D) In accordance with TEC, §44.0312(a), a board of trustees of a school district may, as appropriate, delegate its purchasing and contracting authority under TEC, Chapter 44, Subchapter B, regarding an action authorized or required to be taken by a school district or a designated person, representative, or committee.



Administration

School district requirements and responsibilities

(E) In accordance with TEC, §44.0312(a), when procuring construction services for a capital improvement project, a school district board of trustees shall provide notice of the delegation and the limits of the delegation in the request for bids, proposals, or qualifications or in an addendum to the request. If the school district fails to provide that notice, a ranking, selection, or evaluation of bids, proposals, or qualifications for construction services other than by the board of trustees in an open public meeting is advisory only.

(F) A superintendent shall ensure that a requirement to specify the level of delegation of authority is included in the bid specifications when ⁹¹ procuring construction services to select a contractor, in accordance with TEC, §44.0312.

(G) In accordance with TEC, §44.0312(c), in the event of a catastrophe, an emergency, or a natural disaster affecting a school district, the board of trustees of the district has all authority to delegate to the superintendent or designated representative the authority to contract for the replacement, construction, or repair of school equipment or facilities under TEC, Chapter 44, Subchapter B, if emergency replacement, construction, or repair is necessary for the health and safety of district students and staff.

(H) In accordance with TEC, §44.031(d), and TGC, §2269.051, a school district may adopt rules as necessary to implement the management responsibilities and duties established for school district procurement and delivery of professional design and construction services for a capital improvement project.



Administration

Requirements for construction services

(A) In accordance with TEC, §44.031, the award of a school district contract for construction services or construction-related services valued at \$50,000 or more must be made by competitive bid or by the construction delivery contracting method established in TGC, Chapter 2269, that provides the best value for the district.

(B) In accordance with TGC, §2269.056(a), a school district that is considering a construction contract using a method of procuring construction services other than by competitive bid must first, before advertising, determine which contracting method for construction services contained in TGC, Chapter 2269, provides the best value to the school district for the project.

(C) A school district is required to consider certain factors established in TGC, §2269.056(b), if the district engages in consideration of a construction delivery contracting method other than competitive bidding to evaluate best value for the district, and the district must adhere to the requirements specified for each type of construction delivery contracting method established in TGC, Chapter 2269, Subchapters D, E, F, and G, and must determine, prior to utilization, the best value for the district. A school district shall comply and adhere in full to the requirements specified for each construction delivery contracting method.

(D) A school district shall ensure a contract for construction services required to be procured by a method in TGC, Chapter 2269, specifies the contractor's responsibilities for site safety and requires compliance with the requirement to provide workers' compensation insurance in accordance with Texas Labor Code, §406.096.



Administration

Requirements for construction services

(E) In accordance with TGC, §2252.063 and §2252.064, a school district shall ensure that a contract with a general contractor requires the contractor to provide to the district annual payment statements derived from sales tax reports and to execute a bond issued by a surety company authorized to do business in the state of Texas in an amount determined by the school district, which may not exceed the contract price. The bond must be payable to the school district and conditioned on the faithful performance of the terms of the contract.

(F) If a school district selects the design build method of construction delivery, the district shall procure a design professional, independent of the contractor, to act as the school district's representative for the procurement process and for the duration of the construction in accordance with TGC, §2269.355.

(G) In accordance with TGC, §2269.408(a), if a job order contract or an order issued under the contract requires architectural or engineering services that constitute the practice of architecture or engineering, the school district shall select or designate an architect or engineer, in accordance with TGC, Chapter 2254, to prepare the construction documents for the project. In accordance with TGC, §2269.408(b), TGC, §2269.408(a), does not apply to a job order contract or an order issued under the contract for industrialized buildings or relocatable educational facilities subject to and approved under TOC, Chapter 1202, if the contractor employs the services of an architect or engineer who approves the documents for the project.



Administration

Requirements for design professional services

(A) In accordance with TGC, §2269.102, a school district seeking to issue a request for competitive bids for construction services shall first select or designate an architect or engineer, in accordance with TOC, Chapter 1051 or Chapter 1001, as applicable, to prepare the construction documents required for a capital improvement project to be awarded by competitive bid.

(B) A capital improvement project that contains architectural or engineering services, as defined by TOC, Chapter 1051 or Chapter 1001, as applicable, must use the professional services of an architect or engineer, or both, as required by the scope of the project.

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(C) When architectural or engineering services are required, a school district shall procure architectural or engineering services from a design professional in accordance with TGC, §2254.004. A design professional may subcontract another design professional to perform architectural or engineering services as part of the scope of services that the subcontracting design professional is providing to a school district. A school district shall require that an architect perform architectural services in accordance with TOC, Chapter 1051, to prepare construction documents required for a new construction or major renovation project for a school facility. A school district shall require that an engineer perform engineering services in accordance with TOC, Chapter 1001, to prepare engineering plans and specifications documents required for a minor renovation, major renovation, or a new construction project for a school facility.



Administration

Requirements for design professional services

(D) A school district shall designate one design professional to be the prime design professional for a capital improvement project and shall contractually engage the prime design professional to review and coordinate the design of the project, allowing the prime design professional to rely on and contract for other design professionals where appropriate.

(E) A school district shall ensure a contract for professional design services for a capital improvement project contains the scope of services defined with reasonable specificity, including contractual time parameters, milestones, or deadlines and shall ensure that contract terms conform to the standard of care established in Local Government Code, §271.904, which requires architectural and engineering services to be provided with the professional skill and care ordinarily provided by competent architects or engineers practicing under same or similar circumstances and professional license.

(F) In accordance with TOC, §1051.703(d), designation as the "prime design professional" does not expand, limit, or otherwise alter the scope of a design professional's practice nor does it allow a design professional to fulfill the requirements of a professional license for which they have not been lawfully granted.



Administration

Requirements for professional services of third-party consultants

(A) When procuring the professional services of a third-party consultant for a capital improvement project, a school district must adhere to the requirements established in TGC, Chapter 2269.058, and this section. A school district is required to select a qualified provider of a professional service for which it contracts under this subsection in accordance with TGC, Chapter 2254.

(B) A school district shall require any design professional contractually engaged to procure professional design services from any other design professional as a subconsultant to select and subcontract the professional design services based on the qualification-based selection process^{§ 6} established in TGC, Chapter 2254.

(C) A school district shall ensure, through confirmation from a local or state building official, or a third-party code compliance officer as provided for in subsection (j)(2) of this section, that all required inspections, testing, or permits required for a capital improvement project have been performed in accordance with contractual terms and in accordance with all applicable building code specifications.

(D) In accordance with TGC, §2269.058, a school district shall, independently of the contractor, construction manager-at-risk, or design-build firm, provide or contract for the construction materials engineering, testing, and inspection services and the verification testing services necessary for acceptance of the facility by the district.



Administration

Requirements for professional services of third-party consultants

(E) A school district shall ensure, through confirmation from a local or state building official or a third-party code compliance officer, that all code compliance issues and requirements for a capital improvement project have been addressed or performed, including inspections, testing, and permits that are required.

(F) Any contract with a third-party code compliance officer shall be in accordance with terms and requirements specified by the International Code Council and shall be procured in accordance with TGC, Chapter 2254, as required by TGC, §2269.058.

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(G) A building permit or local government fee for code compliance, a contract with a third-party code compliance officer, a third-party inspector, or consultant shall be the obligation and responsibility of the school district, procured in accordance with TGC, Chapter 2254, as required by TGC, §2269.058, and consistent with the terms of subsection (j) of this section.

(H) In accordance with TEC, §44.901 and §44.902, a school district may contract for energy or water conservation measures and must procure the services for energy or water savings performance contracts according to the procedures established for professional services in TGC, §2254.004.



Administration

Contract compliance and construction quality control assurances

IISD school district shall ensure that services sought by or provided to the district for a school facility capital improvement project, including, but not limited to, professional design services, construction services, construction administration services, third-party inspection services, third-party testing services, or third-party code compliance services, are provided through a project-specific written agreement that:

- (A) conforms to applicable state laws and any requirements, standards, or codes adopted by a local authority having jurisdiction;
- (B) contains all services required to be provided in the agreement, prohibits the school district from waiving any services or directing any changes where recommended by an applicable design professional, and requires all changes to the construction documents to be documented in writing and signed by the prime design professional, the contractor, and the school district;
- (C) specifies the level of observation, testing, and documentation required to be conducted through the agreement to determine and certify conformance and completion of services provided;
- (D) requires the use of a prime design professional to coordinate and prepare a proposed statement of any special inspections or testing required in accordance with the required construction codes, customizing the proposed statement based on knowledge about the project regardless of whether the statement requires testing and inspection to be less than the default requirements of the required construction codes, including materials testing, project-specific requirements for special inspections and testing, specific wind and seismic requirements, frequency of the special inspections, or tests to be performed in accordance with the referenced standard defining the inspection;



Administration

Contract compliance and construction quality control assurances

(E) ensures that construction documents are of sufficient clarity to indicate the timing, location, nature, and extent of specific inspections and tests required to be performed by the school district through the local authority having jurisdiction, the third-party code compliance officer, any third-party special inspector or inspection agency, or the prime design professional if qualified as a special inspector and specified as a contractual term;

(F) ensures that a building permit is issued by a local authority having jurisdiction or a third-party code compliance officer in which a building permit shall be considered by the school district to indicate that the proposed statement of special inspections is approved and constitutes the code-required inspections and tests;

(G) requires the contractor, before beginning construction, to submit to the school district, prime design professional, and the building official or third-party code compliance officer an acknowledgement of the contractor's responsibility to notify quality assurance personnel that will be performing inspections and tests when the project is ready for those specific inspections and tests and the contractor's responsibility to request and obtain a final report from each quality control person performing the code-required inspections and tests before requesting a certificate of occupancy;

(H) requires third-party inspectors to perform the code-required inspections and tests, to submit inspection and testing reports to the school district and the prime design professional, and to submit a final report to the school district, prime design professional, building official or third-party code compliance officer, and contractor, upon request by the contractor, indicating any known deficiencies discovered during the project that have not yet been addressed at the time of the request;



Administration

Contract compliance and construction quality control assurances

(I) requires special inspection and testing reports to be submitted to the building official and the prime design professional and any discrepancies to be brought to the attention of the contractor, and if not corrected, to be brought to the attention of the building official, the prime design professional, and the school district;

(J) specifies treatment for timely performance and documentation required in response to requests for information, change documents, or change orders;

(K) specifies payment certification provisions requiring notarized contractor signature on the application for Certificate of Substantial Completion and specifies that the school district must provide certification of payment for any of the school district's separate consultants or contractors;

(L) requires clear indication of the date of substantial completion on the payment certification, specifies the punch list provided by the contractor to address all remaining areas of the project, and documents all known school district accepted nonconforming work;

(M) limits required certifications of work requested or required by the school district to work required under the issuing party's services agreement;



Administration

Contract compliance and construction quality control assurances

- (N) ensures that contract terms for design professional services are consistent and aligned and do not conflict or overlap with regard to contractual responsibilities assigned to the prime design professional, any design professional of record, the contractor, any prime subcontractors, a third-party building code compliance officer, or a third-party special inspector or consultant; and
- (O) ensures appropriate specifications or treatment for the school district's acceptance or acknowledgement of a contractor's final completion as the owner of the facility.



Certification of Compliance w/ School Facilities Standards

IISD school district, design professional, contractor, and prime subcontractors, if applicable, shall certify compliance with all applicable standards required in subsections (d) and (g)-(k) of this section as follows:

1. IISD Certifications
2. Design Professional Certifications
3. Contractor Certifications
4. General Provisions



IISD Certifications

(i) Certifications related to educational adequacy under subsection (d) of this section.

(I) To provide an educationally adequate school facility, the school district shall certify compliance that the long-range facility plan was developed, presented to the school district board of trustees, and provided in a timely manner to the prime design professional.

(II) To provide an educationally adequate instructional facility or specialized instructional facility, the school district shall certify compliance that the educational specifications were developed, approved by the school district board of trustees, and provided in a timely manner to the architect.

(III) To provide an educationally adequate school facility, the school district shall certify compliance that a capital improvement project has been designed by the design professional of record in reasonable accordance to meet the goals and expectations established in the long-range facility plan and, if applicable, educational specifications.



IISD Certifications

(ii) Certifications related to standards for space for instructional facilities under subsection (g) of this section and standards associated with the method of compliance for instructional facility space approved by the school district board of trustees under the quantitative method of compliance in subsection (h) of this section or the qualitative method of compliance in subsection (i) of this section.

(I) To provide adequate instructional spaces, where required, the school district shall certify compliance with applicable provisions of subsection (g) of this section.

(II) To provide adequate space in instructional facilities, the school district shall certify that the most appropriate method of compliance was presented to and approved by the school district board of trustees prior to commencement of design development.

(iii) Certifications related to safety and security standards under subsection (k) of this section. To continue to provide a safe and secure environment, the school district shall certify compliance with the applicable safety and security standards in subsection (k) of this section approved by the school district and provided as directives in a timely manner to the prime design professional and to other design professionals of record, contractors, and prime subcontractors.



Design professional certifications

(ii) Certifications related to standards for space for instructional facilities under subsection (g) of this section and standards associated with the method of compliance for instructional facility space approved by the school district board of trustees under the quantitative method of compliance in subsection (h) of this section or the qualitative method of compliance in subsection (i) of this section.

(I) To provide adequate instructional spaces, where required, the school district shall certify compliance with applicable provisions of subsection (g) of this section.

(II) To provide adequate space in instructional facilities, the school district shall certify that the most appropriate method of compliance was presented to and approved by the school district board of trustees prior to commencement of design development.

(iii) Certifications related to safety and security standards under subsection (k) of this section. To continue to provide a safe and secure environment, the school district shall certify compliance with the applicable safety and security standards in subsection (k) of this section approved by the school district and provided as directives in a timely manner to the prime design professional and to other design professionals of record, contractors, and prime subcontractors.



Design professional certifications

(i) Certifications related to educational adequacy under subsection (d) of this section. The design professional of record for a capital improvement project shall certify compliance that the project has been designed in reasonable accordance with the long-range facility plan and educational specifications, if applicable.

(ii) Certifications related to standards for space for instructional facilities under subsection (g) of this section and to standards associated with the method of compliance approved by the school district board of trustees for instructional facility space under subsection (h) of this section related to the quantitative method of compliance or under subsection (i) of this section related to the qualitative method of compliance. To provide adequate instructional spaces and adequate space in instructional facilities, the architect of record shall certify compliance that the project has been designed in reasonable accordance with the standards for space in subsection (g) of this section and with the standards associated with the method of compliance approved by the school district board of trustees under subsection (h) or (i) of this section.

(iii) Certifications related to safety and security standards under subsection (k) of this section. A design professional of record shall certify compliance that the project has been designed in reasonable accordance with any required safety and security directives approved by the school district in accordance with subsection (k) of this section.



Contractor certifications

(i) Process certifications. To ensure construction quality and performance of contract terms, the contractor and prime subcontractors, if applicable, shall certify compliance that the project has been built in conformance with the contract documents.

(ii) Certifications related to construction quality standards under subsection (j) of this section.

(I) To ensure compliance with construction quality standards, the contractor and prime subcontractors, if applicable, shall certify compliance at the completion of a capital improvement project that the project has been built in conformance with the contract terms and performance standards specified by the contract documents for the general contractor and for any of its subcontractors or subconsultants of any tier, which shall include certification of compliance with any subsequent change order documents approved by the owner and the design professional of record.

(II) Where a third-party code compliance officer is required by subsection (j) of this section, to ensure that a third-party code compliance officer does not find any violations of the provisions of the required construction codes identified in subsection (j)(1) of this section that are not enforced by a state or local authority having jurisdiction, a school district shall require that a third-party code compliance officer issue a third-party certificate of occupancy. Where a local authority having jurisdiction enforces some of the required construction codes, a third-party code compliance officer shall not issue a third-party certificate of occupancy until either the local authority having jurisdiction has issued a certificate of occupancy or the local authority having jurisdiction indicates in writing to the third-party code compliance officer that the local authority having jurisdiction does not issue certificates of occupancy.



Contractor certifications

(iii) Certifications related to safety and security standards under subsection (k) of this section. To provide a safe and secure environment, the contractor and prime subcontractors, if applicable, shall certify compliance that the project has been built in reasonable accordance with the safety and security directives provided by the school district and reflected in the contract documents prepared by the design professional.

(iv) Special provisions for a construction manager agent. For projects that use the construction manager agent contracting method established in TGC, Chapter 2269, Subchapter E, the construction manager agent and each construction prime contractor must provide certification in accordance with clause (i) of this subparagraph, and each shall certify the scope of work for which they are contractually responsible.



General Provisions

(A) For projects that use the construction manager agent contracting method established in TGC, Chapter 2269, Subchapter E, the construction manager agent and each construction prime contractor must provide certification in accordance with paragraph (1)(C)(i) of this subsection, and each shall certify the scope of work for which they are contractually responsible.

(B) The certification requirements specified for a school facility capital improvement project in this subsection shall be expressed on a form developed by the Texas Education Agency that identifies the appropriate certifications required for a capital improvement project based on the facility, project type, and method of contracting established in TGC, Chapter 2269, for the procurement of construction services approved by the school district board of trustees for the project. The form must include written certification requirements for a design professional of record, a general contractor, construction manager-at-risk, a design build firm, a construction manager agent, a prime contractor or subcontractor



Standards for Space for Instructional Facilities

(1) Minimum standards for common areas.

(A) Library.

(i) A school district shall consider the School Library Standards and Guidelines as adopted under TEC, §33.021, when developing, implementing, or expanding library services.

(ii) The sum total square footage of all library-related areas shall meet the following minimum square feet (SF) requirements based on maximum instructional capacity and may be contiguous or dispersed:

(I) for 100 students or fewer, a minimum of 1,400 SF;

(II) for 101-500 students, 1,400 SF plus an additional 4 SF for each student in excess of 100;

(III) for 501-2,000 students, a minimum of 3,000 SF plus an additional 3 SF for each student in excess of 500; and

(IV) for 2,001 or more students, a minimum of 7,500 SF plus an additional 2 SF for each student in excess of 2,000.

(B) Gymnasium. Primary gymnasiums or physical education space, if required by the school district's educational program, shall have a minimum of 3,000 SF at the elementary school level, 4,800 SF at the middle school level, and 7,500 SF at the high school level.



Standards for Space for Instructional Facilities

(2) Minimum standards for special spaces.

(A) Combination science classroom/laboratory.

(i) A combination science classroom/laboratory for Kindergarten-Grade 5 must provide a minimum of 50 SF per student. The room may have an established maximum of 22 students but must not exceed 25. Within the total square footage of the room, 6 SF per student of horizontal laboratory countertop space (3 feet wide x 2 feet deep) must be provided at student laboratory benches, and an additional 3 linear feet (LF) per student of horizontal laboratory countertop support space must be provided for equipment and materials for investigations, activities, or student projects.¹¹

(ii) A combination science classroom/laboratory for Grades 6-8 must provide a minimum of 58 SF per student. The room may have an established maximum of 24 students but must not exceed 28. Within the total square footage of the room, 6 SF per student of horizontal laboratory countertop space (3 feet wide x 2 feet deep) must be provided at student laboratory benches, and an additional 3 LF per student of horizontal laboratory countertop support space must be provided for equipment and materials for investigations, activities, or student projects.

(iii) A combination science classroom/laboratory for Grades 9-12 must provide a minimum of 58 SF per student. The room may consider a maximum of 24 students but must not exceed 28. Within the total square footage of the room, 6 SF per student of horizontal laboratory countertop space (3 feet wide x 2 feet deep) must be provided at student laboratory benches, and an additional 3 LF per student of horizontal laboratory countertop support space must be provided for equipment and materials for investigations, activities, or student projects.



Standards for Space for Instructional Facilities

(B) Science laboratory.

(i) The separate science laboratory and classroom configuration is not permissible at the elementary level.

(ii) A science laboratory for Grades 6-8 must be a minimum of 42 SF per student. The room must consider a maximum of 24 students but must not exceed 28. Within the total square footage of the room, 6 SF per student of horizontal laboratory countertop space (3 feet wide x 2 feet deep) must be provided at student laboratory benches, and an additional 3 LF per student of horizontal laboratory countertop support space must be provided for equipment and materials for investigations, activities, or student projects.

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(iii) A science laboratory for Grades 9-12 shall be a minimum of 42 SF per student. The room must consider a maximum of 24 students but must not exceed 28. Within the total square footage of the room, 6 SF per student of horizontal laboratory countertop space (3 feet wide x 2 feet deep) shall be provided at student laboratory benches, and an additional 3 LF per student of horizontal laboratory countertop support space shall be provided for equipment and materials for investigations, activities, or student projects.

(C) Science classrooms. Science classrooms shall be provided at a ratio not to exceed 2:1 of science classrooms to science laboratories at the secondary level and must meet the requirements of subsection (h)(3) of this section. The science laboratories must be located in close proximity to the science classrooms they serve.



Standards for Space for Instructional Facilities

(D) Fume hoods.

(i) Each of the following shall have one built-in fume hood:

(I) at least one middle school prep room per grade level served in the school facility;

(II) high school level chemistry or Advanced Placement (AP) chemistry combination classroom/laboratory or laboratory; and

(III) prep room serving chemistry, AP chemistry, or integrated physics and chemistry (IPC) combination classroom/laboratory or laboratory.

(ii) A double-sided fume hood may be provided to satisfy chemistry or AP chemistry fume hood requirements.

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(iii) The exhaust shall be vented to the outside, above the roof and away from air vents.

(E) Preparation/storage rooms. One preparation/storage room at a minimum 10 SF per student shall be provided adjacent to each combination science classroom/laboratory. One preparation/storage room at a minimum of 10 SF per student shall be provided per science classroom and be located adjacent to its partner science laboratory. Preparation/storage rooms may be combined, but the combination of more than one preparation/storage room shall not reduce the minimum square feet or quantity of built-in fume hoods required if they were not combined.



Standards for Space for Instructional Facilities

(F) Chemical storage room. If hazardous or vaporous chemicals are to be used in a science laboratory or combination science classroom/laboratory, a separate chemical storage room shall be provided. The chemical storage room shall be separate from, and shall not be combined as part of, a preparation room or an equipment storage room; however, the chemical storage room may be located so that access is through a preparation room or equipment storage room. The chemical storage room shall be secure to prevent access to chemicals by students or non-authorized adults. One chemical storage room may be shared among multiple laboratories or classrooms/laboratories. Refer to National Fire Protection Association (NFPA), International Fire Code (IFC), and Occupational Safety and Health Administration (OSHA) for additional requirements.

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(G) Eye/face wash. A built-in eye/face wash that can wash both eyes simultaneously shall be provided in each room serving Grades 5-12 where hazardous chemicals or eye irritants are used by instructors and/or students. The eye/face wash shall comply with the American National Standards Institute (ANSI) Standards for Shower and Eyewash Equipment (Z358.1). The tepid water required by ANSI Z358.1 is not required to come from a heated source; however, school districts that commonly experience lengthy periods of extremely cold temperatures during the winter season shall consider a tepid water system with a heated source.



Standards for Space for Instructional Facilities

(H) Safety shower. A built-in safety shower shall be provided in each combination classroom/laboratory, laboratory, or prep room where a built-in fume hood is required or voluntarily provided. Where a safety shower is required in both the laboratory and corresponding prep room, a safety shower may be provided in only the prep room to satisfy this requirement. The safety shower shall comply with the ANSI Standards for Shower and Eyewash Equipment (Z358.1). The tepid water required by ANSI Z358.1 is not required to come from a heated source; however, school districts that commonly experience lengthy periods of extremely cold temperatures during the winter season shall consider a tepid water system with a heated source.

(I) Exhaust fan and ventilation system. Refer to International Mechanical Code, ANSI, OSHA, and NFPA for project requirements.

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(J) Emergency shut-off controls. If electricity, gas, and/or water are provided in student areas, emergency shut-off controls shall be provided for each in a location accessible to the instructor but not easily accessible to students. It shall not be located at any doorway leading to a corridor or hallway.

(K) Special education. Specialized classrooms shall be a minimum of 45 SF per student.

(h) Quantitative method of compliance for instructional facility space requirements. A school district board of trustees shall approve compliance with this method, or the method of compliance described in subsection (i) of this section before the commencement of design development for a capital improvement project for an instructional facility.



Standards for Space for Instructional Facilities

(1) To satisfy this method of compliance, the capital improvement project shall meet the minimum aggregate square footage based on the campus's flexibility level as specified in paragraph (2) of this subsection, the SF per student as specified in paragraph (3) of this subsection, and the maximum instructional capacity of the campus included in the project's educational specifications. Cafeterias, gymnasiums, and library space may not be used to satisfy this method of compliance. The minimum aggregate square footage required may be comprised of the following:

- (A) mathematics, English/language arts, and history/social studies classrooms;
- (B) combination science classrooms/laboratories;
- (C) science classrooms, if the separate science classroom and laboratory layout is used;
- (D) special education classrooms;
- (E) collaboration areas; and
- (F) elective classrooms or laboratories under the following circumstances:

(i) if the elective program necessitates a SF per student in excess of the value specified in subsection (h)(3) of this section, a maximum of total square feet for the space shall be used that is equal to the value specified in (h)(3) of this section multiplied by the maximum number of students that shall be safely served in that classroom or laboratory at a time;

(ii) if the elective classroom or laboratory is used between 51-100% of the school day, at a factor of 1; and

(iii) if the elective classroom or laboratory is used between 0-50% percent of the school day, at a factor of .5.



Standards for Space for Instructional Facilities

(2) The level of flexibility of a facility must be selected by a school district in order to calculate the minimum aggregate square footage under paragraph (3) of this subsection.

(A) Flexibility Level 1 (L1). Single, fixed teacher presentation space; compact organization of spaces makes access to outdoor space limited and challenging; furniture is exclusively attached student desk/chair with an expectation of very infrequent rearrangement; minimal multipurpose functionality for walls with no capability of reconfiguration; teacher-centric digital instruction with partial access to mobile devices.

(B) Flexibility Level 2 (L2). Single, fixed teacher presentation space; compact organization of spaces makes access to outdoor space limited and challenging, but outdoor spaces may be visible from classrooms; furniture includes detached student desk/chair with an expectation of very infrequent rearrangement; moderate multipurpose functionality for walls with no capability of reconfiguration; teacher-centric digital instruction with moderate access to mobile devices.

(C) Flexibility Level 3 (L3). Multiple student/teacher presentation spaces; organization of spaces allows for proximal outdoor access that is visible from classrooms; flexible and mobile furniture that is easily rearranged; high use of multipurpose walls, including digital touchscreen and other functionalities; learner-centric digital instruction with high levels of access to a range of mobile devices.



Standards for Space for Instructional Facilities

(D) Flexibility Level 4 (L4). Multiple student/teacher presentation spaces that are likely mobile; organization of spaces allows for direct outdoor access that is visible from classrooms; highly flexible and mobile furniture that is easily rearranged by students independently or collectively; maximized inclusion of multipurpose walls, including digital capabilities and reconfiguration; learner-centric digital instruction with high levels of access to a range of mobile devices incorporating an "anytime/anywhere" instructional philosophy.

(3) The minimum aggregate square footage shall be determined based on the minimum square footage per student by campus type and the selected flexibility level approved under paragraph (2) of this subsection.

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(A) Elementary schools (prekindergarten-Grade 5):

(i) L1 36 SF per pupil (pp);

(ii) L2 36 SF pp;

(iii) L3 42 SF pp; and

(iv) L4 42 SF pp.

(B) Middle schools (Grades 6-8):

(i) L1 32 SF pp;

(ii) L2 32 SF pp;



Standards for Space for Instructional Facilities

(iii) L3 36 SF pp; and

(iv) L4 36 SF pp.

(C) High schools (Grades 9-12):

(i) L1 32 SF pp;

(ii) L2 32 SF pp;

(iii) L3 36 SF pp; and

(iv) L4 36 SF pp.

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(i) Qualitative method of compliance for instructional facility space standards. A school district board of trustees shall approve compliance with this method, or the method of compliance described in subsection (h) of this section before the commencement of design development for a capital improvement project for an instructional facility. A school district may use the qualitative method of compliance for a capital improvement project only if the board of trustees has prior documented approval of one or more instructional or operational practices for the proposed project that distributes or manages student capacity in an innovative or non-traditional manner. Prior to approving the qualitative method of compliance, all instructional and operational practices applicable to the proposed project must have been documented and approved by the school district board of trustees to demonstrate compliance with the requirements in this subsection.



Standards for Space for Instructional Facilities

(1) To satisfy this method of compliance, the project shall meet the minimum total square footage based on the campus's flexibility level as specified in subsection (h)(2) of this section, the SF per student as specified in subsection (h)(3) of this section, and the adjusted maximum instructional capacity of the campus. The minimum aggregate square footage required may be comprised of the following:

- (A) mathematics, English/language arts, and history/social studies classrooms;
- (B) combination science classrooms/laboratories;
- (C) science classrooms, if the separate science classroom and laboratory layout is used;
- (D) special education classrooms;
- (E) collaboration areas; and



Standards for Space for Instructional Facilities

(F) elective classrooms or laboratories under the following circumstances:

(i) if the elective program necessitates a SF per student in excess of the value specified in subsection (h)(3) of this section, a maximum of total square feet for the space shall be used that is equal to the value specified in subsection (h)(3) of this section multiplied by the maximum number of students that shall be safely served in that classroom or laboratory at a time;

(ii) if the elective classroom or laboratory is used between 51-100% of the school day, at a factor of 1; and

(iii) if the elective classroom or laboratory is used between 0-50% of the school day, at a factor of .5.

(2) Gymnasiums may not be used to satisfy this method of compliance. Cafeterias and library space may be used to satisfy this method of compliance and shall be treated like an elective space under paragraph (1)(F) of this subsection.



Construction Quality Standards

1. Construction code requirements
2. Third-party code compliance requirements
3. Other requirements



Construction Quality Standards

1. Construction code requirements
2. Third-party code compliance requirements
3. Other requirements



Construction Code Requirements

A capital improvement project for a school facility must reasonably comply with the following construction code requirements:

(A) Projects located outside of a municipal jurisdiction in the unincorporated area of a county must reasonably comply with the following requirements.

(i) Where projects are located in a county that does not have an adopted general building code, projects must reasonably comply with the International Building Code and the Existing Building Code, as published by the International Code Council, as they existed on May 1, 2003. Where projects are located in a county that has an adopted general building code, projects must reasonably comply with the adopted general building code and any chapters that were not adopted or removed entirely by amendment from the adopted model building code. Where a project is located in an area that is designated as a catastrophe area according to the Texas Department of Insurance, a project must also reasonably comply with any applicable amendments to the building code that have been adopted by the Texas Department of Insurance in accordance with Texas Insurance Code, Chapter 2210.

(ii) Where projects are located in a county that does not have an adopted mechanical code, projects must reasonably comply with the International Mechanical Code, as published by the International Code Council, as it existed on the same date that the applicable International Building Code was published. Where projects are located in a county that has an adopted mechanical code, projects must reasonably comply with the adopted mechanical code.



Construction Code Requirements

(iii) Where projects are located in a county that does not have an adopted fire code, projects must reasonably comply with the NFPA 101 Life Safety Code and NFPA 1 Fire Code standards adopted by the State Fire Marshal in accordance with TGC, §417.008, and in accordance with 28 TAC §34.301 (relating to Purpose). Where projects are located in a county that has an adopted fire code, projects must reasonably comply with the adopted fire code.

(iv) Where projects are located in a county that does not have an adopted plumbing code, projects must reasonably comply with the International Plumbing Code and referenced International Fuel Gas Code, as published by the International Code Council, as adopted by the Texas Board of Plumbing Examiners as established in 22 TAC §367.2(a) (relating to Code Requirements) in accordance with TOC, Chapter 1301. Where projects are located in a county that has an adopted plumbing code, projects must reasonably comply with the adopted plumbing code.

(v) Where projects are located in a county that does not have an adopted electric code, projects must reasonably comply with the National Electric Code, as published by the NFPA, as adopted by the Texas Department of Licensing and Regulation in accordance with TOC, Chapter 1305. Where projects are located in a county that has an adopted electric code, projects must reasonably comply with the adopted electric code.

(vi) Projects must reasonably comply with the International Energy Conservation Code, as published by the International Code Council, as adopted by the State Energy Conservation Office of Texas in accordance with Texas Health and Safety Code, Chapter 388.

(vii) Projects must reasonably comply with the International Swimming Pool and Spa Code, as published by the International Code Council, as it existed on May 1, 2019.



Construction Code Requirements

(viii) Projects must reasonably comply with the industrialized housing and building rules as adopted by the Texas Commission of Licensing and Regulation in accordance with TOC, Chapter 1202.

(B) Projects located inside of a municipal jurisdiction must reasonably comply with the following requirements.

(i) Where projects are located in a municipality that does not have an adopted general building code, projects must reasonably comply with the International Building Code and the International Existing Building Code, as published by the International Code Council, as they existed on May 1, 2003, in accordance with Local Government Code, §214.216. Where projects are located in a municipality that has an adopted general building code, projects must reasonably comply with the adopted general building code. Where a project is located in an area that is designated as a catastrophe area according to the Texas Department of Insurance, a project must also comply with any applicable amendments to the building code that have been adopted by the Texas Department of Insurance in accordance with Texas Insurance Code, Chapter 2210.

(ii) Where projects are located in a municipality that does not have an adopted mechanical code, projects must comply with the International Mechanical Code, as published by the International Code Council, as it existed on May 1, 2003. Where projects are located in a municipality that has an adopted mechanical code, projects must reasonably comply with the adopted mechanical code.

(iii) Where projects are located in a municipality that does not have an adopted fire code, projects must reasonably comply with the NFPA 101 Life Safety Code and NFPA 1 Fire Code standards adopted by the State Fire Marshal in accordance with TGC, §417.008, and in accordance with 28 TAC §34.301. Where projects are located in a municipality that has an adopted fire code, projects must reasonably comply with the adopted fire code.



Construction Code Requirements

(iv) Where projects are located in a municipality that does not have an adopted plumbing code, projects must reasonably comply with the International Plumbing Code and referenced International Fuel Gas Code, as published by the International Code Council, as adopted by the Texas Board of Plumbing Examiners as established in 22 TAC §367.2(a) in accordance with TOC, Chapter 1301. Where projects are located in a municipality that has an adopted plumbing code, projects must reasonably comply with the adopted plumbing code.

(v) Where projects are located in a municipality that does not have an adopted electric code, projects must reasonably comply with the National Electric Code, as published by the NFPA, as adopted by the Texas Department of Licensing and Regulation in accordance with TOC, Chapter 1305. Where projects are located in a municipality that has an adopted electric code, projects must reasonably comply with the adopted electric code.

(vi) Where projects are located in a municipality that does not have an adopted energy conservation code, projects must reasonably comply with the International Energy Conservation Code, as published by the International Code Council, as adopted by the State Energy Conservation Office of Texas in accordance with Texas Health and Safety Code, Chapter 388. Where projects are located in a municipality that has an adopted energy conservation code, projects must reasonably comply with the adopted energy conservation code.



Construction Code Requirements

(vii) Where projects are located in a municipality that does not have an adopted swimming pool code, projects must reasonably comply with the International Swimming Pool and Spa Code, as published by the International Code Council, as it existed on May 1, 2019. Where projects are located in a municipality that has an adopted swimming pool code, projects must reasonably comply with the adopted swimming pool code.

(viii) Projects must reasonably comply with the industrialized housing and building rules as adopted by the Texas Commission of Licensing and Regulation in accordance with TOC, Chapter 1202.



Third-party code compliance requirements

(A) IISD shall require the prime design professional of a capital improvement project to submit to the school district a report identifying any construction code requirements that the prime design professional believes, to the best of their knowledge after performing research, will not be enforced by a state or local authority having jurisdiction.

(B) IISD shall contract with a third-party code compliance officer to enforce any construction code requirement identified by a prime design professional pursuant to subparagraph (A) of this paragraph as not enforced by a state or local authority having jurisdiction and shall adjust the scope of services provided by the third-party code compliance officer if an error is discovered in the prime design professional's report.

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(C) IISD shall hire a third-party code compliance officer to have all of the duties and powers of a building official, as defined by the required construction codes and to the extent allowable by state law, to ensure compliance with any required construction code provisions identified as not enforced by a state or local jurisdiction with authority pursuant to subparagraphs (A) and (B) of this paragraph.

(D) In the manner specified by TGC, §2269.058, a school district shall procure the services of a third-party code compliance officer required by subsection (j) of this section as a professional service in accordance with the Texas Professional Services Procurement Act, as established in TGC, Chapter 2254.



Third-party code compliance requirements

(E) A third-party code compliance officer must not be a design professional responsible for the design of any portion of the project, anyone employed by a design professional responsible for the design of any portion of the project, a contractor responsible for constructing any portion of the project, or anyone employed by a contractor responsible for constructing any portion of the project. A third-party code compliance officer may be a peer reviewer that performs a peer review required for any storm shelters that are part of the project.

(F) A third-party code compliance officer must have a Certified Building Official designation from the International Code Council (ICC). A third-party code compliance officer must also have at least ten years of experience or equivalent experience as an architect, engineer, inspector, contractor or superintendent of construction, or any combination of these, at least five years of which have been supervisory experience.

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(G) A plan review performed by or under the supervision of a third-party code compliance officer must be performed by a qualified design professional or an independent third party qualified to certify plans through the ICC for the appropriate building, mechanical, electrical, or plumbing trade. Plan reviews performed under the supervision of a third-party code compliance officer must be performed by a person with at least five years of experience as an engineer or an architect.



Third-party code compliance requirements

(H) The following shall apply to a storm shelter where a required construction code has a provision requiring a storm shelter for certain projects.

(i) For the purposes of determining if a storm shelter is required for a specific building area, a school district shall require a third-party code compliance officer to accept, as a modification of the code in lieu of meeting the requirement to provide a storm shelter for that specific area, any written justification submitted by the school district that purports that the intended use of the specific building area that would be served by a storm shelter is not used for educational purposes during normal school hours when attendance is mandatory.

(ii) Where a storm shelter is required for new construction, a school district shall require a third-party code compliance officer to allow the occupant load for storm shelter design to be 110% of maximum instructional capacity, as stated by the designated representative of the school district in writing, even if this is significantly less than the total occupant load used for other purposes such as fire egress.

(iii) Where a storm shelter is required for additions, a school district shall require a third-party code compliance officer to allow the occupant load for storm shelter design to be based on, prorating where only a portion of the school facility is considered, 110% of maximum instructional capacity, as stated by the designated representative of the school district in writing, even if this is significantly less than the total occupant load used for other purposes such as fire egress.



Third-party code compliance requirements

(iv) For the purposes of determining if a storm shelter can serve the occupants of a building that is located at a distance from the storm shelter that is greater than a code-required maximum distance, a school district shall require a third-party code compliance officer to accept, as a modification of the code in lieu of meeting the specific distance requirement, any written emergency operations plan submitted by the school district that purports to provide early notification to those occupants. School districts may use protections provided in TEC, §37.108, to protect sensitive information.

(v) For the purposes of determining if a storm shelter is required to be constructed at a school facility where applicable construction codes require a storm shelter and a modular building be installed as part of the project, a school district shall require a third-party code compliance officer to consider as new construction any modular building that is installed as part of the project, regardless of whether it is relocatable.



Other requirements

(A) A capital improvement project for a school facility subject to the standards in this section must comply with the 2010 Americans with Disabilities Act Standards for Accessible Design as well as the Texas Accessibility Standards of 2012.

(B) IISD shall notify a design professional in writing of any construction-related standard or expectation of the school district for the project that is not otherwise established or required by an applicable construction code as required in this subsection. Where a school district contracts with a design professional and that design professional subcontracts another design professional, the school district need only notify the design professional that has a contract with the school district.

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(C) IISD shall consider as part of a capital improvement project the use of designs, methods, and materials that will reduce the potential for indoor air quality problems. A school district may use the voluntary indoor air quality guidelines adopted by the Texas Department of State Health Services under Texas Health and Safety Code, Chapter 385; the "Indoor Air Quality Tools for Schools" program administered by the U.S. Environmental Protection Agency; or some other updated state approved guidelines or standards for indoor air quality in response to communicable disease related public health issues.

(D) IISD shall consider as part of a capital improvement project the use of sustainable school designs. A sustainable design is a design that minimizes a facility's impact on the environment through energy and resource efficiency.



Safety and Security Standards

(1) **Compliance requirements applicable to all instructional facilities campus-wide.** A capital improvement project of a school district or an open-enrollment charter school must include campus-wide implementation of the following provisions.

(A) Communications infrastructure. In accordance with TEC, §37.108, a school district or an open-enrollment charter school shall:

(i) develop a multi-hazard plan that provides measures to ensure that school district communications technology and infrastructure are adequate to allow for communication during an emergency;

(ii) implement measures to ensure every classroom and portable classroom provides district employees, including substitute teachers, access to a telephone, cellular telephone, or other electronic communications device to allow immediate contact with district emergency services or emergency services agencies, law enforcement agencies, health departments, and fire departments; and

(iii) develop site plans and floor plans for a school facility in accordance with TEC, §37.108(f).

(B) Access control. A school district or an open-enrollment charter school shall develop a document that designates each exterior door of each instructional facility campus-wide as either primary, secondary, or non-designated entrances and shall ensure that the documented designation of all exterior doors becomes part of the long-range facility plan prior to commencement of construction of a capital improvement project.



Safety and Security Standards

(2) **Additional standards based on the project construction budget.** IISD shall approve a project construction budget for a capital improvement project at completion of the design development phase of the project and prior to commencement of the construction documents phase. The project construction budget approved by the school district shall determine how many of the additional safety and security standards established in paragraph (3) of this subsection are required for the project. A school district shall designate in writing which of the additional safety and security standards in paragraph (3) of this subsection have been approved by the school district board of trustees for a capital improvement project and shall provide to the prime design professional and each design professional of record written documentation of the approved safety and security standards for the proposed facility prior to commencement of the construction documents phase of a capital improvement project. The following standards shall apply to a capital improvement project for an instructional facility until all instructional facilities campus-wide fully comply with all of the additional safety and security standards specified in this subsection.

(A) If a project construction budget is \$1 million to \$5 million, the facility is required to comply with at least one additional safety and security standard specified in paragraph (3) of this subsection.

(B) If a project construction budget is \$5 million to \$10 million, the facility is required to comply with at least two additional safety and security standards specified in paragraph (3) of this subsection.

(C) If a project construction budget is over \$10 million, the facility is required to comply with all of the additional safety and security standards specified in paragraph (3) of this subsection.



Safety and Security Standards

(D) For a capital improvement project that includes new construction, the new construction of an instructional facility is required to comply with all three of the additional safety and security standards specified in paragraph (3) of this subsection.

(3) Additional safety and security standards applicable to all instructional facilities campus-wide. A school district or an open-enrollment charter school must include campus-wide implementation of the following standards in accordance with terms and requirements of paragraph (2) of this subsection.

(A) **Exterior door numbering.** All instructional facilities campus-wide, including portable, modular buildings, must include the addition of graphically represented alpha-numerical characters on both the interior and exterior of each exterior door location. The characters may be installed on the door, or on at least one door at locations where more than one door leads from the exterior to the same room inside the facility, or on the wall immediately adjacent to or above the door location. Characters shall comply with the IFC, §505. The primary entrance of an instructional facility, as defined by subsection (a)(23)(A) of this section, shall always be the first in the entire sequence and is the only door location that does not require numbering. The numbering sequence shall be clockwise and may be sequenced for the entire campus or for each facility individually. The design professional of record shall coordinate with school district personnel and local emergency response personnel prior to incorporating exterior door numbering characters and locations into the contract documents for the facility or facilities specified to be included in a capital improvement project. The design professional of record shall coordinate this requirement with any and all accessibility requirements related to signage.



Safety and Security Standards

(B) **Visitor management.** All primary entrances of instructional facilities campus-wide must include the following:

- (i) an unobstructed line of sight of approaching visitors through physical or digital means;
- (ii) a physical barrier that prevents unassisted access to the facility by a visitor; and
- (iii) a location for a visitor check-in and check-out process.

(C) **Security cameras.** All primary and secondary entrances of instructional facilities campus-wide must include a security camera.

(4) Exceptions to additional standards based on cost. IISD may opt out of the requirements specified in paragraph (2) of this subsection if:

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(A) the facility is scheduled to, according to the long-range facilities plan, cease operations as an instructional facility within three years of the project; and

(B) the five-year long-range facility plan clearly states that, prior to the end date of the plan, the facility will be compliant with at least two additional safety and security standards specified in paragraph (2) of this subsection if ceasing operation does not occur or operation resumes. The long-range facility plan must specify which two additional safety and security standards will be implemented.



Safety and Security Standards

(5) Public disclosure process. IISD board of trustees governing body shall ensure information or documents collected, developed, or produced by the district as part of a capital improvement project are reviewed to ensure that any project-specific safety and security information is adjusted for disclosure if necessary to accommodate the requirement for a district to use protections provided in TEC, §37.108, which directs the IISD to protect sensitive information, while also providing general information to the public indicating district compliance commitments made in accordance with this subsection.



2023 Bond

Bond 2023

On May 6, 2023, Irving voters voted to pass bond propositions A, B and C.

With the help of our voters which includes staff, students, families and Irving residents, the entire Irving ISD community will receive a bond package that will elevate our students to the next level. This bond will help Irving ISD continue the academic work of focusing on successful student outcomes and to prepare Irving ISD students for the brightest of futures.

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“We would like to thank our Long-Term Facilities and Bond Planning Committees for their tireless efforts for the students of Irving ISD,” says Irving ISD Superintendent Magda Hernandez. “To our voters – thank you for saying yes to our kids and teachers. Our students and staff deserve the best, and they will get that with the passing of these bond propositions.”

Total Bond: \$573,750,000



2023 Bond

Proposition A

\$538,750,000

Replacement of Barton ES, Farine ES, and Crockett MS
Renovation of 32 Remaining Schools Across the District
2 Baby Universities (Tuition-Based Employee Childcare Centers)
Career and Technical Education (CTE) Center
Fine Arts Transportation and Equipment
Safety and Security Upgrades

Proposition C

\$17,000,000

Replacement of Student Transportation & Logistics Center

Proposition B

\$18,000,000

Technology Upgrades
Provide students and staff with computers
Upgrade Network Infrastructure
Provide students and staff with secured high-speed access to Wi-Fi & Internet
Implement Cybersecurity Systems



IISD District-wide Facilities Assessment

Early Childhood Centers

- Clifton EC School
- Kinkeade EC School
- Pierce EC School

Elementary Schools

- Barton Elementary School
- Brandenburg Elementary School
- Britain Elementary School
- Brown Elementary School
- Davis Elementary School
- Elliott Elementary School
- Farine Elementary School
- Gilbert Elementary School
- Good Elementary School
- Hanes Elementary School

- John Haley Elementary School
- Johnston Elementary School
- Keyes Elementary School
- Lee Elementary School
- Lively Elementary School
- Schulze Elementary School
- Stipes Elementary School
- Thomas Haley Elementary School
- Townley Elementary School
- Townsell Elementary School

Middle Schools

- Austin Middle School
- Bowie Middle School
- Crockett Middle School
- De Zavala Middle School

- Houston Middle School
- Johnson Middle School
- Lamar Middle School
- Travis Middle School

High Schools

- Irving High School
- MacArthur High School
- Nimitz High School
- Singley Academy
- Cardwell Career Prep Center

Support

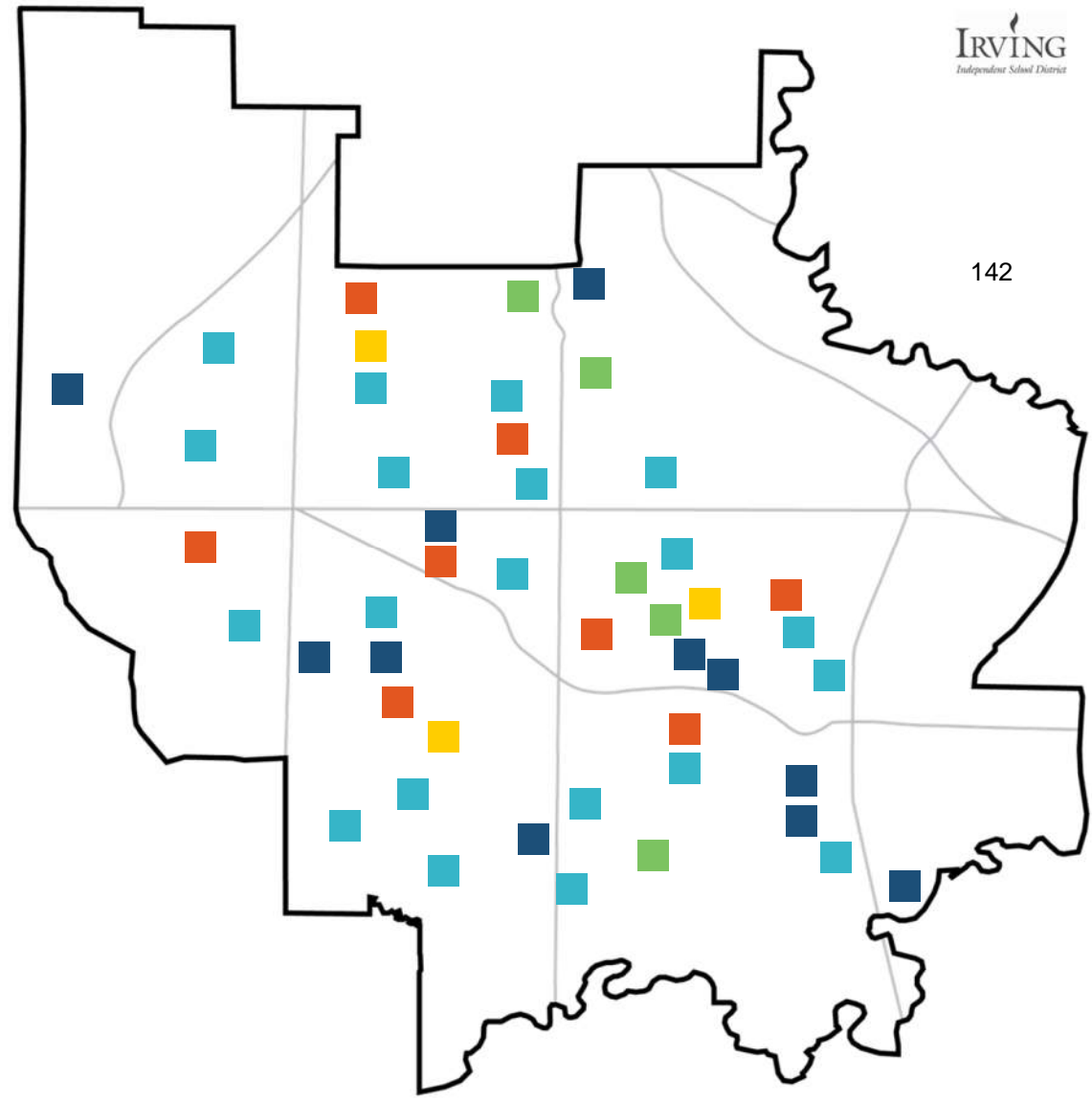
- Ratteree DCD
- Secondary Reassignment/Wheeler
- Administration Building
- Administration Annex

- Ellis Stadium and Field House
- Facilities Services Building
- Food and Nutrition Building
- Hands on Science Center
- Outdoor Learning Center
- Special Education Annex
- Transportation Annex¹⁴¹

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Irving ISD
Facilities

36 SCHOOLS

- | | |
|----------------------------------|-----------------------------|
| 3 Early Childhood Centers | 5 High Schools |
| 20 Elementary Schools | 11 Support Buildings |
| 8 Middle Schools | |



Assessment Scope



Team



Architectural



**Cost
Estimating**



**Civil
Engineer**



**Roof
Consulting**



**MEP
Engineer**



**Kitchen
Food Service**



“In 2016, the average age of public school buildings in the U.S. was 44 years old.”

44
years

average age
school US in 2016

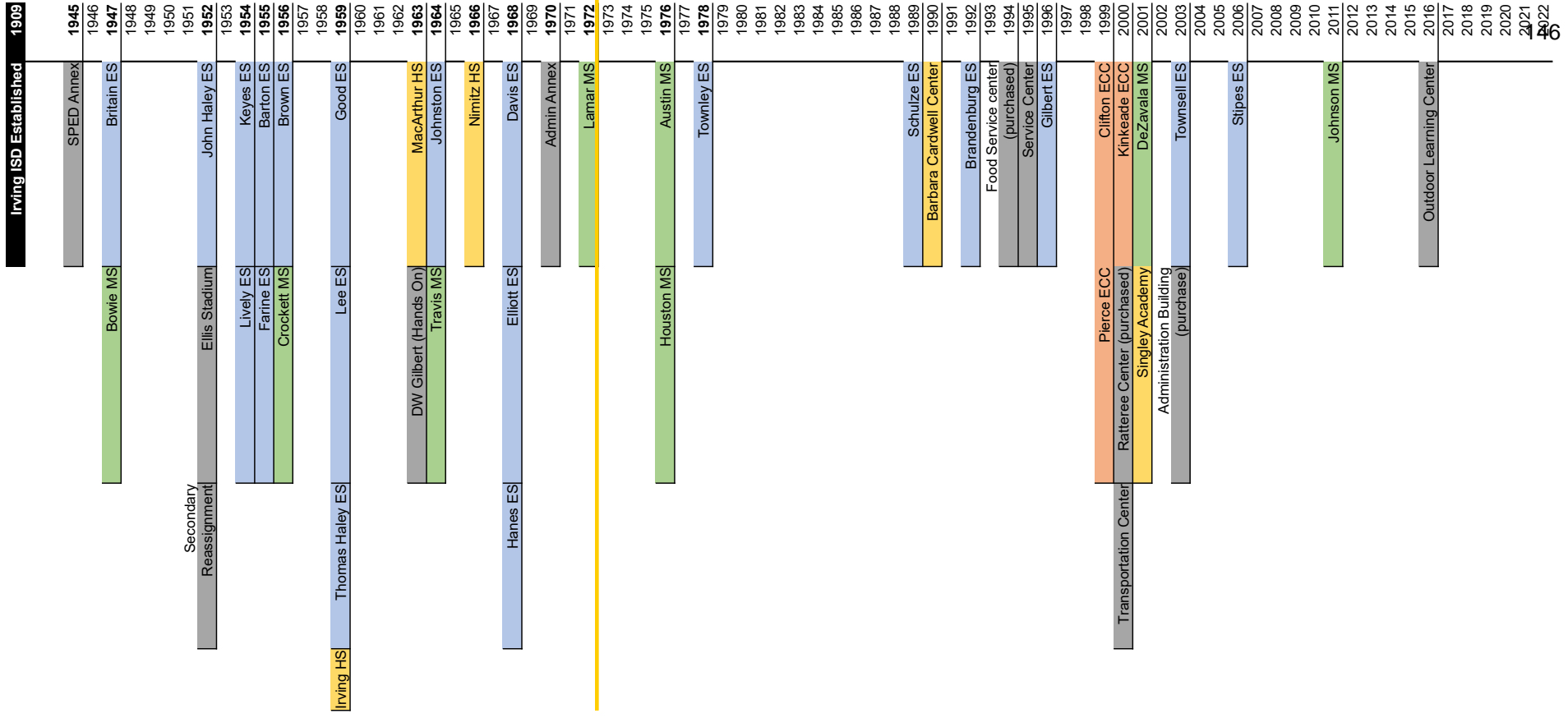
50
years

average age school
Irving ISD in 2022

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Irving ISD Building Timeline

Average School Building Age
50 years



Overall Assessment Cost Summary

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	Average Age of Building	Number of Buildings	Square Footage	Total Assessment Estimated Cost
Early Childhood Center	23	3	111,330	\$22,953,068
Elementary Schools	53	20	1,868,193	\$328,145,668
Middle Schools	47	8	1,328,012	\$168,469,132
High Schools	46	5	1,550,282	\$263,957,342
Support Buildings	41	11	349,286	\$55,887,469
	46	47	5,207,103	\$839,412,679

Early Childhood Centers

Early Childhood Center Assessment Cost Summary

	Age of Building	Original Building Year Completed	Square Footage	Total Assessment Estimated Cost	FCI Based on Existing SF	Replacement Cost Based on Existing SF
Clifton EC School	23	1999	37,110	\$7,443,199	0.3354	\$22,191,780
Kinkeade EC School	22	2000	37,110	\$7,665,169	0.3454	\$22,191,780
Pierce EC School	23	1999	37,110	\$7,844,700	0.3535	\$22,191,780
			111,330	\$22,953,068		\$66,575,340

District Overview – Early Childhood Center Facilities

1 **ARCHITECTURAL - EXTERIOR**
Paint exterior metal doors, frames and handrails.
All exterior windows and wall control joints to be resealed.
Add tile wainscot for wall protection.

2 **ARCHITECTURAL - INTERIOR**
Replace all millwork, wood doors, and room signs
Replace non-ADA compliant classroom sinks and bubblers
Add interior control joints in gypsum walls.

3 **CIVIL & SITE**
Correct grading to have positive drainage away from the building & sidewalks.
Re-seal site paving caulk joints throughout.
Replace marquee sign with digital display.

4 **MEP**
The crawl space and attic area need added ventilation.
Replace all interior, exterior and site fixtures with LED lighting.
Rewire all electrical to be above ceiling

5 **ROOFING**

6 **FOOD SERVICE**
Replace floor tiles
Renovate restroom and office for ADA clearances
Replace doors & hardware

Clifton Early Childhood School

1999

151

Year Built: 1999

Building Additions:

- Classroom Addition 2002

Approx. SF: 37,110 SF

Approx. Site Acreage: 6.50

Grades Served: Pre-K(3 & 4)

Functional Capacity: 430

Enrollment (2/2022): 398

No. Classrooms: 23



Clifton Early Childhood School

152

ARCHITECTURAL – EXTERIOR

- Extend entry handrail to be ADA compliant

ARCHITECTURAL – INTERIOR

- General notes per District Overview

CIVIL

- Replace entry paving and include upgraded trench/area drains.
- All site paving to be replaced except the NE fire lane.
- Retaining wall at front entry to be replaced
- Replace chain link fencing.

MECHANICAL ELECTRICAL PLUMBING

- Replace 70% of the split system mechanical units (1999 Trane) .
- Reset in place mechanical unit pads that have shifted.
- Add dedicated units to electrical, IDF and MDF rooms.

ROOFING

- The metal roofing is currently under warranty, but many deficiencies are noted.
- Replace roof insulation in attic space.

FOOD SERVICE

- Replace equipment including the dish machine and serving counters.
- Replace breakers and wiring in kitchen for GFCI outlets.

Clifton Early Childhood School

FACILITIES ASSESSMENT	
\$343,268	Demolition
\$556,650	Site
\$51,954	Building
\$192,972	Exterior
\$686,906	Interior
\$677,258	Specialties
\$1,335,960	MEP
\$2,177,020	GC/Allowance/Escalation
\$6,021,987	Construction Costs
\$1,421,212	Development Costs
\$7,443,199	Estimated Project Costs

FCI:

10% or less is considered Excellent

11%-20% is Good

21%-40% is Fair

41%-59% is Below Average

60% or more is considered Poor

FCI - 34%

Facility Condition Index (FCI) = $\frac{\text{Estimated cost of the facility needs}}{\text{Estimated current Replacement cost}}$

2000

154

Kinkeade Early Childhood School

Year Built: 2000

Building Additions:

- Classroom Addition 2002

Approx. SF: 37,110 SF

Approx. Site Acreage: 7.70

Grades Served: Pre-K(3 & 4)

Functional Capacity: 430

Enrollment (2/2022): 289

No. Classrooms: 23



Kinkeade Early Childhood School

ARCHITECTURAL – EXTERIOR

- Clean exterior brick façade due to significant water staining.

ARCHITECTURAL – INTERIOR

- General notes per District Overview

CIVIL

- Tie roof drain lines to storm system.
- Add dumpster enclosure.
- Replace sidewalks to be ADA compliant, add access path to playground.

MECHANICAL ELECTRICAL PLUMBING

155

- Replace split system mechanical units installed prior to 2000.

ROOFING

- Recommend full roof replacement including roof insulation in attic space.

FOOD SERVICE

- Replace equipment including the serving counters.

Kinkeade Early Childhood School

FACILITIES ASSESSMENT	
\$345,123	Demolition
\$497,274	Site
\$44,532	Building
\$649,425	Exterior
\$552,939	Interior
\$580,772	Specialties
\$1,341,527	MEP
\$2,271,363	GC/Allowance/Escalation
\$6,282,954	Construction Costs
\$1,382,215	Development Costs
\$7,665,169	Estimated Project Costs

FCI :

10% or less is considered Excellent

11%-20% is Good

21%-40% is Fair

41%-59% is Below Average

60% or more is considered Poor

FCI - 35%

Facility Condition Index (FCI) = $\frac{\text{Estimated cost of the facility needs}}{\text{Estimated current Replacement cost}}$

1999

Pierce Early Childhood School

Year Built: 1999

Building Additions:

- Classroom Addition 2002

Approx. SF: 37,110

Approx. Site Acreage: 7.70

Grades Served: Pre-K(3 & 4)

Functional Capacity: 430

Enrollment (2/2022): 250

No. Classrooms: 23



Pierce Early Childhood School

ARCHITECTURAL – EXTERIOR

- Clean exterior brick façade due to significant water staining.

ARCHITECTURAL – INTERIOR

- General notes per District Overview

CIVIL

- Tie roof drain lines to storm system
- Provide new traffic gate on south drive, repaint existing gates.
- Provide ADA compliant sidewalk from back of site to front of campus.

MECHANICAL ELECTRICAL PLUMBING

158

- Replace split system mechanical units installed prior to 2000.

ROOFING

- Recommend full roof replacement including roof insulation in attic space.

FOOD SERVICE

- Replace equipment including the serving counters & exhaust hood.

Pierce Early Childhood School

FACILITIES ASSESSMENT	
\$350,690	Demolition
\$484,286	Site
\$44,532	Building
\$612,315	Exterior
\$695,813	Interior
\$539,951	Specialties
\$1,354,515	MEP
\$2,311,285	GC/Allowance/Escalation
\$6,393,385	Construction Costs
\$1,451,315	Development Costs
\$7,844,700	Estimated Project Costs

FCI :

10% or less is considered Excellent

11%-20% is Good

21%-40% is Fair

41%-59% is Below Average

60% or more is considered Poor

FCI - 35%

Facility Condition Index (FCI) = $\frac{\text{Estimated cost of the facility needs}}{\text{Estimated current Replacement cost}}$



Elementary Schools

53

years

Average Elementary
Building Age

50 years

Davis ES	54
Elliott ES	54
Hanes ES	54
Johnston ES	58

60 years

Barton ES	67
Brown ES	66
Farine ES	67
Good ES	63
Keyes ES	68
Lee ES	63
Lively ES	68
T Haley ES	63

70 years

Britain ES	75
John Haley ES	70

Elementary School Assessment Cost Summary

	Age of Building	Original Building Year Completed	Square Footage	Total Assessment Estimated Cost	FCI Based on Existing SF	Replacement Cost Based on Existing SF
Barton Elementary School	67	1955	82,266	\$14,940,372	0.3513	\$42,527,409
Brandenburg Elementary School	30	1992	83,600	\$13,129,808	0.3038	\$43,217,020
Britain Elementary School	75	1947	108,308	\$18,548,640	0.3313	\$55,989,821
Brown Elementary School	66	1956	95,425	\$18,476,331	0.3745	\$49,329,954
Davis Elementary School	54	1968	96,376	\$18,758,596	0.3765	\$49,821,573
Elliott Elementary School	54	1968	89,714	\$14,510,401	0.3129	\$46,377,652
Farine Elementary School	67	1955	86,030	\$17,858,672	0.4016	\$44,473,209
Gilbert Elementary School	26	1996	93,492	\$13,623,251	0.2819	\$48,330,689
Good Elementary School	63	1959	88,325	\$16,899,766	0.3701	\$45,659,609
Hanes Elementary School	54	1968	110,006	\$18,731,407	0.3294	\$56,867,602
John Haley Elementary School	70	1952	86,659	\$19,805,255	0.4421	\$44,798,370
Johnston Elementary School	58	1964	89,142	\$19,963,025	0.4332	\$46,081,957
Keyes Elementary School	68	1954	92,321	\$17,507,602	0.3668	\$47,725,341
Lee Elementary School	63	1959	97,068	\$18,576,335	0.3702	\$50,179,303
Lively Elementary School	68	1954	92,018	\$20,963,429	0.4407	\$47,568,705
Schulze Elementary School	33	1989	93,831	\$17,196,301	0.3545	\$48,505,935
Stipes Elementary School	16	2006	98,200	\$8,216,915	0.1619	\$50,764,490
Thomas Haley Elementary School	63	1959	89,938	\$15,308,742	0.3293	\$46,493,449
Townley Elementary School	44	1978	91,354	\$15,445,753	0.3271	\$47,225,450
Townsell Elementary School	19	2003	104,120	\$9,685,067	0.1799	\$53,824,834
			1,868,193	\$328,145,668		\$965,762,371

District Overview – Elementary Facilities

163

1

ARCHITECTURAL - EXTERIOR

All exterior windows and wall control joints to be resealed.

2

ARCHITECTURAL - INTERIOR

3

CIVIL & SITE

Correct grading to have positive drainage away from the building & sidewalks.
Re-seal site paving caulk joints throughout.
Replace storm and sanitary from building to city meter

4

MEP

Replace all interior, exterior and site fixtures with LED lighting.
Upgrade PA and Fire Alarm system.
Add dedicated units to electrical, IDF, MDF and riser rooms.

5

ROOFING

6

FOOD SERVICE

Replace equipment as noted in report.

1955

Barton Elementary School

Year Built: 1955

Building Additions:

- Gymnasium Addition 1962, 1992
- Classroom Addition 1989, 1992

Approx. SF: 82,266 SF

Approx. Site Acreage: 9.70

Grades Served: PreK-5

Functional Capacity: 772

Enrollment (2/2022): 862

No. Classrooms: 49



Barton Elementary School

ARCHITECTURAL – EXTERIOR

- Replace operable windows
- Replace canopies.
- Repair brick façade due to damage and settling.

ARCHITECTURAL – INTERIOR

- Replace all millwork.
- Renovate single restrooms to be ADA compliant.
- Renovate group restrooms.
- Replace interior room signs.
- Replace tack boards in corridors and install new tile wainscot throughout.

CIVIL

- Tie roof drain lines to storm system & correct grading to have positive drainage away from the building & sidewalks.
- Provide ADA compliant sidewalk from back of site to front of campus.
- Install turf in courtyard.
- Replace marquee sign with digital display.

MECHANICAL ELECTRICAL PLUMBING

- Replace split system mechanical units that are nearing end of useful life. 165
- Install mechanical screen at entry on roof and ground.

ROOFING

- Recommend full roof replacement including roof insulation in attic space.

FOOD SERVICE

- General replacement of equipment as noted in the report.

GYM ADDITION

- Replace metal buildings with new Gym Addition to be ICC-500 Compliant Storm Shelter

Barton Elementary School

FACILITIES ASSESSMENT	
\$505,936	Demolition
\$505,936	Site
\$1,011,872	Building
\$1,077,685	Exterior
\$1,217,537	Interior
\$810,320	Specialties
\$3,068,522	MEP
\$4,641,598	GC/Allowance/Escalation
\$12,839,405	Construction Costs
\$2,100,967	Development Costs
\$14,940,372	Estimated Project Costs

FCI :

10% or less is considered Excellent

11%-20% is Good

21%-40% is Fair

41%-59% is Below Average

60% or more is considered Poor

FCI - 35%

Facility Condition Index (FCI) = $\frac{\text{Estimated cost of the facility needs}}{\text{Estimated current Replacement cost}}$

1992

167

Brandenburg Elementary School

Year Built: 1992

Building Additions:

- Gymnasium Addition 1992

Approx. SF: 83,600 SF

Approx. Site Acreage: 9.38

Grades Served: PreK-5

Functional Capacity: 876

Enrollment (2/2022): 891

No. Classrooms: 47



Brandenburg Elementary School

ARCHITECTURAL – EXTERIOR

- Replace EJ covers and building sealants.
- Replace canopy and paver slab outside Cafeteria.
- Paint all exterior metal doors and frames.
- Repairs to brick façade due to damage and settling.

ARCHITECTURAL – INTERIOR

- Renovate single restrooms to be ADA compliant.
- Replace interior room signs.
- Replace flooring with LVT flooring and rubber base.
- Replace ceiling tiles and grid throughout.

CIVIL

- Repair/Replace west parking lot.
- Remove asphalt and replace with new concrete play court.
- Replace sidewalks that are uneven for ADA compliance.
- Provide ADA compliant sidewalk to playground.
- Replace chain link fence around play fields.

MECHANICAL ELECTRICAL PLUMBING

- Replace split system mechanical units that are nearing end of useful life. 168
- Add dedicated units to electrical, IDF and MDF rooms.

ROOFING

- Roof under warranty until 2029 – repairs under warranty.
- Remove skylights, infill and roof over.

FOOD SERVICE

- Replace kitchen ceiling, grid, floor and wall tiles.
- The restroom area is not ADA compliant and needs renovation.
- Replace doors and hardware.

GYM ADDITION

- Replace metal buildings with new Gym Addition to be ICC-500 Compliant Storm Shelter

REMOVE PORTABLE BUILDINGS.

Brandenburg Elementary School

FACILITIES ASSESSMENT	
\$777,480	Demolition
\$434,720	Site
\$969,760	Building
\$806,740	Exterior
\$1,417,020	Interior
\$493,240	Specialties
\$2,319,900	MEP
\$4,087,319	GC/Allowance/Escalation
\$11,306,179	Construction Costs
\$1,823,629	Development Costs
\$13,129,808	Estimated Project Costs

FCI :

10% or less is considered Excellent

11%-20% is Good

21%-40% is Fair

41%-59% is Below Average

60% or more is considered Poor

FCI - 30%

Facility Condition Index (FCI) = $\frac{\text{Estimated cost of the facility needs}}{\text{Estimated current Replacement cost}}$

1947

170

Britain Elementary School

Year Built: 1947

Building Additions:

- Classroom Addition 1990, 1992, 2000, 2004
- Gymnasium Addition 1992

Approx. SF: 108,308 SF

Approx. Site Acreage: 8.05

Grades Served: PreK-5

Functional Capacity: 1,044

Enrollment (2/2022): 586

No. Classrooms: 58



Britain Elementary School

ARCHITECTURAL – EXTERIOR

- Replace operable windows.
- General clean of exterior, repair damaged brick, stucco and cast stone veneer.
- Replace west canopy.
- Paint all exterior metal doors and frames.

ARCHITECTURAL - INTERIOR

- Renovate single classroom restrooms to be ADA compliant.
- Replace wood doors, hardware, and millwork throughout.
- Add tile wainscot to exposed gyp corridor walls.
- Replace flooring with LVT flooring and rubber base.
- Replace ceiling tiles and grid in west & east classroom wings.

CIVIL

- Repair broken roof drain lines and tie to storm.
- Replace south drive and shifted sidewalks around site.
- Replace chain link fence around play fields.
- Install turf in courtyard.
- Replace marquee sign with digital display.

MECHANICAL ELECTRICAL PLUMBING

- Replace rooftop mechanical units that are nearing end of useful life.
- Relocate electrical panels in corridors to independent electrical room.

ROOFING

- Most of roof is under warranty, with a few areas that must be replaced.

FOOD SERVICE

- Replace equipment including the serving counters & exhaust hood.

GYM ADDITION

- Replace existing gym metal building with new Gym Addition to be ICC-500 Compliant Storm Shelter

Britain Elementary School

FACILITIES ASSESSMENT	
\$709,417	Demolition
\$422,401	Site
\$1,326,773	Building
\$2,106,591	Exterior
\$1,332,188	Interior
\$574,032	Specialties
\$3,839,519	MEP
\$5,838,044	GC/Allowance/Escalation
\$16,148,965	Construction Costs
\$2,399,675	Development Costs
\$18,548,640	Estimated Project Costs

FCI :

10% or less is considered Excellent

11%-20% is Good

21%-40% is Fair

41%-59% is Below Average

60% or more is considered Poor

FCI - 33%

Facility Condition Index (FCI) = $\frac{\text{Estimated cost of the facility needs}}{\text{Estimated current Replacement cost}}$

Brown Elementary School

1956

Year Built: 1956

Building Additions:

- Gymnasium Addition 1973, 1992
- Classroom Addition 1989, 1992

Approx. SF: 95,425 SF

Approx. Site Acreage: 9.33

Grades Served: PreK-5

Functional Capacity: 856

Enrollment (2/2022): 692

No. Classrooms: 50



Brown Elementary School

ARCHITECTURAL – EXTERIOR

- Replace operable windows
- Replace canopies.
- All exterior doors and frames to be repainted.
- Repair exterior façade due to damage and settling.

ARCHITECTURAL - INTERIOR

- Replace all millwork.
- Renovate single restrooms to be ADA compliant.
- Replace ceilings, wood doors and interior room signs.
- Replace tack boards in corridors and install new tile wainscot throughout.

CIVIL

- Tie roof drain lines to storm system & correct grading to have positive drainage away from the building & sidewalks.
- Replace sidewalk paving where failed.
- Replace chain link fence.
- Install turf in courtyard.
- Replace marquee sign with digital display.

MECHANICAL ELECTRICAL PLUMBING

- Replace split system mechanical units that are nearing end of useful life. 174
- Relocate electrical gear inside.

ROOFING

- Recommend full roof replacement except for kitchen roof which is under warranty.

FOOD SERVICE

- Replace equipment as noted in the report.

GYM ADDITION

- Replace metal building with new Gym Addition to be ICC-500 Compliant Storm Shelter

Brown Elementary School

FACILITIES ASSESSMENT	
\$710,916	Demolition
\$682,289	Site
\$1,273,924	Building
\$1,650,853	Exterior
\$1,450,460	Interior
\$601,178	Specialties
\$3,893,340	MEP
\$5,810,887	GC/Allowance/Escalation
\$16,073,846	Construction Costs
\$2,402,485	Development Costs
\$18,476,331	Estimated Project Costs

FCI :

10% or less is considered Excellent

11%-20% is Good

21%-40% is Fair

41%-59% is Below Average

60% or more is considered Poor

FCI - 37%

Facility Condition Index (FCI) = $\frac{\text{Estimated cost of the facility needs}}{\text{Estimated current Replacement cost}}$

1968

176

Davis Elementary School

Year Built: 1968

Building Additions:

- Gymnasium Addition 1978
- Annex Addition 1989
- Classroom Addition 1993
- Library Addition 2011

Approx. SF: 96,376 SF

Approx. Site Acreage: 8.31

Grades Served: PreK-5

Functional Capacity: 860

Enrollment (2/2022): 805

No. Classrooms: 51



Davis Elementary School

ARCHITECTURAL – EXTERIOR

- Replace operable windows.
- Replace translucent blocks with new.
- Replace old metal canopies.
- All exterior doors and frames to be repainted.
- Repoint failing mortar and repair areas of damaged brick.

ARCHITECTURAL – INTERIOR

- Remove corridor lockers.
- Renovate single restrooms to be ADA compliant.
- Complete renovation of group restrooms
- Replace wood doors and interior room signs.
- Install new tile wainscot throughout corridors.

CIVIL

- Replace damaged block retaining walls.
- Tie roof drains to storm line, including at entry canopy
- Resurface playgrounds in courtyard.
- Install turf at courtyards.
- Replace marquee sign with digital display.

MECHANICAL ELECTRICAL PLUMBING

- Replace a majority of rooftop mechanical units that are nearing end of useful life.
- Relocate panels from corridors and restrooms into dedicated electrical room.

177

ROOFING

- Replace roof at NE Classroom Wing and metal roof areas above the Main Entry Corridor.

FOOD SERVICE

- Renovate and expand restroom and dry storage for ADA clearances.
- Add hand sinks per health code.
- Replace equipment as noted in the report.

GYM ADDITION

- Replace metal building with new Gym Addition to be ICC-500 Compliant Storm Shelter

Davis Elementary School

FACILITIES ASSESSMENT	
\$660,176	Demolition
\$689,088	Site
\$1,248,069	Building
\$1,864,876	Exterior
\$1,513,103	Interior
\$583,075	Specialties
\$3,888,772	MEP
\$5,915,181	GC/Allowance/Escalation
\$16,362,339	Construction Costs
\$2,396,257	Development Costs
\$18,758,596	Estimated Project Costs

FCI :

10% or less is considered Excellent

11%-20% is Good

21%-40% is Fair

41%-59% is Below Average

60% or more is considered Poor

FCI - 38%

Facility Condition Index (FCI) = $\frac{\text{Estimated cost of the facility needs}}{\text{Estimated current Replacement cost}}$

1968

179

Elliott Elementary School

Year Built: 1968

Building Additions:

- Gymnasium Addition 1978
- Classroom Addition 1989, 1993

Approx. SF: 89,714 SF

Approx. Site Acreage: 11.15

Grades Served: PreK-5

Functional Capacity: 918

Enrollment (2/2022): 558

No. Classrooms: 52



Elliott Elementary School

ARCHITECTURAL – EXTERIOR

- Replace glass blocks with standard windows.
- Replace old metal canopies.
- Repair or replace plaster veneer throughout.
- All exterior doors and frames to be repainted.
- Replace entry slab and floor finish.

ARCHITECTURAL – INTERIOR

- Renovate single restrooms to be ADA compliant.
- Complete renovation of group restrooms
- Replace interior doors and room signs.
- Replace millwork throughout campus.

CIVIL

- Tie roof drains to storm line, including at entry canopy
- Replace failed areas of brick paver walks and sidewalks
- Install turf at courtyards.
- Replace marquee sign with digital display.

MECHANICAL ELECTRICAL PLUMBING

- Replace entire mechanical system including units and ductwork.
- Relocate panels from corridors into dedicated electrical room.
- Replace all Federal Pacific electrical panels.

ROOFING

- Roofing was replaced in 2021 and is under warranty.

FOOD SERVICE

- Renovate all finishes including floor tile, wall tile, ceiling and grid.
- Expand and renovate restroom for ADA compliance.
- Replace equipment as noted in the report.
- Replace dock bumpers.

GYM ADDITION

- Replace metal building with new Gym Addition to be ICC-500 Compliant Storm Shelter

Elliott Elementary School

FACILITIES ASSESSMENT	
\$484,456	Demolition
\$623,512	Site
\$1,063,111	Building
\$879,197	Exterior
\$1,511,681	Interior
\$601,084	Specialties
\$2,781,134	MEP
\$4,497,992	GC/Allowance/Escalation
\$12,442,166	Construction Costs
\$2,068,235	Development Costs
\$14,510,401	Estimated Project Costs

FCI :

10% or less is considered Excellent

11%-20% is Good

21%-40% is Fair

41%-59% is Below Average

60% or more is considered Poor

FCI - 31%

Facility Condition Index (FCI) = $\frac{\text{Estimated cost of the facility needs}}{\text{Estimated current Replacement cost}}$

Farine Elementary School

1955

Year Built: 1955

Building Additions:

- Gymnasium Addition 1978, 1992
- Classroom Addition 1989, 1992

Approx. SF: 86,030 SF

Approx. Site Acreage: 13.78

Grades Served: PreK-5

Functional Capacity: 799

Enrollment (2/2022): 873

No. Classrooms: 48



Farine Elementary School

ARCHITECTURAL – EXTERIOR

- Replace operable windows.
- Replace old metal canopies.
- Replace plaster wall and soffit finishes.
- All exterior doors, frames, handrails and columns to be repainted.

ARCHITECTURAL – INTERIOR

- Renovate single restrooms to be ADA compliant.
- Complete renovation of group restrooms
- Replace all millwork, interior wood doors and room signs.
- Install new tile wainscot in corridors.

CIVIL

- Tie roof drains to storm line, including at entry canopy
- Replace asphalt and failed areas of sidewalks.
- Install turf at courtyards.
- Replace marquee sign with digital display.

REMOVE PORTABLE BUILDINGS.

MECHANICAL ELECTRICAL PLUMBING

- Relocate panels from corridors into dedicated electrical room.
- Relocate non-compliant light switches in Corridor C101 Classrooms.
- Remove unused furnace units in corridors and vestibules.

183

ROOFING

- Most of roof is under warranty, with a few areas in need of replacement.

FOOD SERVICE

- Complete renovation of kitchen including layout and all finishes.
- Alternate – new kitchen and cafeteria addition
- Replace equipment as noted in the report.
- Construct dumpster enclosure.

GYM ADDITION

- Replace metal building with new Gym Addition to be ICC-500 Compliant Storm Shelter

Farine Elementary School

FACILITIES ASSESSMENT	
\$645,225	Demolition
\$752,763	Site
\$1,191,516	Building
\$1,668,982	Exterior
\$1,492,621	Interior
\$554,894	Specialties
\$3,613,260	MEP
\$5,616,284	GC/Allowance/Escalation
\$15,535,543	Construction Costs
\$2,323,129	Development Costs
\$17,858,672	Estimated Project Costs

Alternate Addition Estimated Costs	
8,000 SF	Cafeteria/Kitchen Addition
\$4,215,200	Estimated Project Costs

184

FCI :

10% or less is considered Excellent

11%-20% is Good

21%-40% is Fair

41%-59% is Below Average

60% or more is considered Poor

FCI - 40%

Facility Condition Index (FCI) = $\frac{\text{Estimated cost of the facility needs}}{\text{Estimated current Replacement cost}}$

Farine Elementary – Demo Scope



Farine Elementary – Proposed Scope



1996

187

Gilbert Elementary School

Year Built: 1996

Building Additions:

- Classroom Addition 1999
- Special Education Addition 2012

Approx. SF: 93,492 SF

Approx. Site Acreage: 8.70

Grades Served: PreK-5

Functional Capacity: 962

Enrollment (2/2022): 713

No. Classrooms: 52



Gilbert Elementary School

ARCHITECTURAL – EXTERIOR

- Replace operable windows.
- Replace fabric awnings with premanufactured aluminum canopies.
- Repoint mortar where failing, including around windows.

ARCHITECTURAL – INTERIOR

- Renovate clinic restroom to be ADA compliant.
- Replace carpet throughout campus.
- Replace all interior wood doors and room signs.
- Install new tile wainscot in corridors.
- Replace west classroom millwork to include compliant sink and EWCs.

CIVIL

- Tie roof drains to storm line system
- Additional parking area and extend drives to the north
- Install turf at courtyards.
- Replace marquee sign with digital display.

MECHANICAL ELECTRICAL PLUMBING

- Replace RTU's installed before 2000.

ROOFING

- Most of roof is under warranty and in good condition.

FOOD SERVICE

- Complete renovation of kitchen including all finishes and doors.
- Replace equipment as noted in the report.

Gilbert Elementary School

FACILITIES ASSESSMENT	
\$621,722	Demolition
\$584,325	Site
\$98,167	Building
\$1,047,110	Exterior
\$995,690	Interior
\$565,627	Specialties
\$3,515,299	MEP
\$4,205,699	GC/Allowance/Escalation
\$11,633,639	Construction Costs
\$1,989,612	Development Costs
\$13,623,251	Estimated Project Costs

FCI :

10% or less is considered Excellent

11%-20% is Good

21%-40% is Fair

41%-59% is Below Average

60% or more is considered Poor

FCI - 28%

Facility Condition Index (FCI) = $\frac{\text{Estimated cost of the facility needs}}{\text{Estimated current Replacement cost}}$

1959

190

Good Elementary School

Year Built: 1959

Building Additions:

- Gymnasium Addition 1978, 1992
- Classroom Addition 1990, 1992

Approx. SF: 88,325 SF

Approx. Site Acreage: 10.79

Grades Served: PreK-5

Functional Capacity: 940

Enrollment (2/2022): 727

No. Classrooms: 50



Good Elementary School

ARCHITECTURAL – EXTERIOR

- Replace operable windows.
- Install control joints at brick veneer above windows and doors.
- Replace failed mortar including under windows.

ARCHITECTURAL – INTERIOR

- Renovate single restrooms to be ADA compliant.
- Replace carpet, ceiling tiles and grid.
- Replace all millwork, interior doors and room signs.
- Install new tile wainscot in corridors.

CIVIL

- Tie roof drains to storm line system.
- Regrade for proper drainage around site.
- Replace failed or non-compliant areas of sidewalks.
- Replace marquee sign with digital display.

REMOVE PORTABLE BUILDINGS.

MECHANICAL ELECTRICAL PLUMBING

- Replace 60% of the split system units that are nearing end of life-cycle. 191
- Relocate panels from corridors into dedicated electrical room.
- Replace 5 Federal Pacific electrical panels.

ROOFING

- Most of roof is under warranty.
- Recommend trimming trees so as not to overhang roofline.

FOOD SERVICE

- Replace equipment as noted in the report.

GYM ADDITION

- Replace metal building with new Gym Addition to be ICC-500 Compliant Storm Shelter

Good Elementary School

FACILITIES ASSESSMENT	
\$552,031	Demolition
\$719,849	Site
\$1,382,286	Building
\$1,563,353	Exterior
\$1,046,651	Interior
\$658,021	Specialties
\$3,431,426	MEP
\$5,296,018	GC/Allowance/Escalation
\$14,649,636	Construction Costs
\$2,250,130	Development Costs
\$16,899,766	Estimated Project Costs

FCI :

10% or less is considered Excellent

11%-20% is Good

21%-40% is Fair

41%-59% is Below Average

60% or more is considered Poor

FCI - 37%

Facility Condition Index (FCI) = $\frac{\text{Estimated cost of the facility needs}}{\text{Estimated current Replacement cost}}$

1968

193

Hanes Elementary School

Year Built: 1968

Building Additions:

- Gymnasium Addition 1978, 2000
- Classroom Addition 1989, 2000
- Administration Addition 1994
- Cafeteria Addition 2009

Approx. SF: 110,006 SF

Approx. Site Acreage: 6.55

Grades Served: PreK-5

Functional Capacity: 844

Enrollment (2/2022): 643

No. Classrooms: 47



Hanes Elementary School

ARCHITECTURAL – EXTERIOR

- Replace operable windows.
- Relace dated canopy structures.
- Replace entry doors with aluminum storefront.
- Repaint exterior doors, frames, columns.

ARCHITECTURAL – INTERIOR

- Remove corridor locker and install new tile wainscot in corridors.
- Renovate single restrooms to be ADA compliant.
- Replace flooring throughout with consistent finish and new rubber base.
- Replace all millwork, interior doors, classroom tack boards and room signs.

CIVIL

- Tie roof drains to storm line system.
- Replace failed or non-compliant areas of sidewalks in courtyard and southeast area of site. Replace concrete strip around building that has failed.
- Replace marquee sign with digital display.
- Install turf in courtyard.

MECHANICAL ELECTRICAL PLUMBING

- Replace 50% split system units that are nearing end of life-cycle.
- Relocate panels from corridors into dedicated electrical room.
- Replace 5 Federal Pacific electrical panels.

ROOFING

- Most of roof is under warranty, with a few areas due for replacement.

FOOD SERVICE

- Replace equipment as noted in the report.

GYM ADDITION

- Replace metal building with new Gym Addition to be ICC-500 Compliant Storm Shelter

Hanes Elementary School

FACILITIES ASSESSMENT	
\$594,032	Demolition
\$797,544	Site
\$1,336,573	Building
\$1,226,567	Exterior
\$1,842,601	Interior
\$533,329	Specialties
\$4,103,224	MEP
\$5,907,770	GC/Allowance/Escalation
\$16,341,839	Construction Costs
\$2,389,368	Development Costs
\$18,731,407	Estimated Project Costs

FCI :

10% or less is considered Excellent

11%-20% is Good

21%-40% is Fair

41%-59% is Below Average

60% or more is considered Poor

FCI - 33%

Facility Condition Index (FCI) = $\frac{\text{Estimated cost of the facility needs}}{\text{Estimated current Replacement cost}}$

1952

196

John Haley Elementary School

Year Built: 1952

Building Additions:

- Gymnasium Addition 1978, 1992
- Classroom Addition 1990, 1992

Approx. SF: 86,659 SF

Approx. Site Acreage: 8.49

Grades Served: PreK-5

Functional Capacity: 948

Enrollment (2/2022): 713

No. Classrooms: 52



John Haley Elementary School

ARCHITECTURAL – EXTERIOR

- Replace operable windows.
- Replace dated canopy structures.
- Repair damaged stucco finish on west classroom wings.

ARCHITECTURAL – INTERIOR

- Relocate clinic into larger space with compliant restroom.
- Renovate single restrooms to be ADA compliant.
- Replace millwork, interior doors, and classroom tack boards.
- Provide separate kiln room in Art classroom.
- Replace flooring with LVT and rubber base.

CIVIL

- Replace failed areas of sidewalks.
- Replace marquee sign with digital display.
- Install turf in courtyard between classroom wings.

MECHANICAL ELECTRICAL PLUMBING

- Replace over 60% split system units and all RTUs that are nearing end of life-cycle. 197
- Relocate transformer and move switch gear inside into dedicated electrical room.
- Relocate panels from restrooms into dedicated electrical room.

ROOFING

- Most of roof is under warranty, with a few areas due for replacement.

FOOD SERVICE

CAFETERIA/KITCHEN ADDITION

- Add new single cafeteria, platform and kitchen addition to include new electrical room. Renovate existing areas for classrooms and administration areas.

GYM ADDITION

- Replace metal building with new Gym Addition to be ICC-500 Compliant Storm Shelter

John Haley Elementary School

FACILITIES ASSESSMENT	
\$654,275	Demolition
\$784,264	Site
\$1,546,863	Building
\$1,490,535	Exterior
\$1,581,527	Interior
\$537,286	Specialties
\$4,458,606	MEP
\$6,258,410	GC/Allowance/Escalation
\$17,311,765	Construction Costs
\$2,493,489	Development Costs
\$19,805,255	Estimated Project Costs

FCI :

10% or less is considered Excellent

11%-20% is Good

21%-40% is Fair

41%-59% is Below Average

60% or more is considered Poor

FCI - 44%

Facility Condition Index (FCI) = $\frac{\text{Estimated cost of the facility needs}}{\text{Estimated current Replacement cost}}$

John Haley Elementary – Demo Scope



John Haley Elementary – Proposed Scope



1964

201

Johnston Elementary School

Year Built: 1964

Building Additions:

- Gymnasium Addition 1978, 1994
- Classroom Addition 1989, 1994

Approx. SF: 89,142 SF

Approx. Site Acreage: 10.30

Grades Served: PreK-5

Functional Capacity: 966

Enrollment (2/2022): 794

No. Classrooms: 54



Johnston Elementary School

ARCHITECTURAL - EXTERIOR

- Replace operable windows.
- Replace dated canopy structures.
- Repair damaged soffits throughout.
- Upgrade entry doors and windows with aluminum storefront frames.

ARCHITECTURAL - INTERIOR

- Remove corridor locker and install new tile wainscot & tack boards in corridors.
- Complete renovation of single and group restrooms to be ADA compliant.
- Replace millwork, interior doors, and classroom tack boards.
- Replace carpet and rubber base throughout.

CIVIL

- Add fire lane around building.
- Replace asphalt with concrete paving.
- Replace marquee sign with digital display.
- Install turf in courtyard.

MECHANICAL ELECTRICAL PLUMBING

- Replace 50% of RTUs that are nearing end of life-cycle.

202

ROOFING

- Most of roof is under warranty until 2034, with minor repairs.

FOOD SERVICE

- Replace canopy at kitchen and add ramp access.
- Recommend addition for kitchen and complete renovation.
- Replace equipment as noted in report.

GYM ADDITION

- Replace metal building with new Gym Addition to be ICC-500 Compliant Storm Shelter

Johnston Elementary School

FACILITIES ASSESSMENT	
\$735,422	Demolition
\$931,534	Site
\$1,756,097	Building
\$1,773,926	Exterior
\$1,698,155	Interior
\$632,908	Specialties
\$3,632,537	MEP
\$6,319,119	GC/Allowance/Escalation
\$17,479,698	Construction Costs
\$2,483,327	Development Costs
\$19,963,025	Estimated Project Costs

FCI :

10% or less is considered Excellent

11%-20% is Good

21%-40% is Fair

41%-59% is Below Average

60% or more is considered Poor

FCI - 43%

Facility Condition Index (FCI) = $\frac{\text{Estimated cost of the facility needs}}{\text{Estimated current Replacement cost}}$

1954

204

Keyes Elementary School

Year Built: 1954

Building Additions:

- Gymnasium Addition 1978
- Classroom Addition 1987, 1989, 1993
- Cafeteria Addition 2010

Approx. SF: 92,321 SF

Approx. Site Acreage: 9.90

Grades Served: PreK-5

Functional Capacity: 979

Enrollment (2/2022): 684

No. Classrooms: 55



Keyes Elementary School

ARCHITECTURAL - EXTERIOR

- Replace operable windows.
- Repaint exterior metal doors and frames.
- Repair minor brick damage, seal penetration and clean exterior.

ARCHITECTURAL - INTERIOR

- Install new tile wainscot & tack boards in corridors.
- Complete renovation of single and group restrooms to be ADA compliant & alleviate sight line issues.
- Replace millwork, interior doors, and classroom tack boards.
- Two southeast wings - classroom doors are not ADA compliant.

CIVIL

- Replace heaved sidewalk for ADA compliance
- Replace asphalt with concrete paving.
- Replace marquee sign with digital display.
- Install turf in courtyard.

MECHANICAL ELECTRICAL PLUMBING

- Replace split system units that are nearing end of life-cycle.

205

ROOFING

- Some of roof is under warranty, with multiple areas in need of replacement.

FOOD SERVICE

- General replacement of equipment as noted in the report.

GYM ADDITION

- Replace metal building with new Gym Addition to be ICC-500 Compliant Storm Shelter

Keyes Elementary School

FACILITIES ASSESSMENT	
\$618,551	Demolition
\$678,559	Site
\$1,195,557	Building
\$1,514,064	Exterior
\$1,467,904	Interior
\$738,568	Specialties
\$3,498,966	MEP
\$5,499,030	GC/Allowance/Escalation
\$15,211,199	Construction Costs
\$2,296,403	Development Costs
\$17,507,602	Estimated Project Costs

FCI :

10% or less is considered Excellent

11%-20% is Good

21%-40% is Fair

41%-59% is Below Average

60% or more is considered Poor

FCI - 37%

Facility Condition Index (FCI) = $\frac{\text{Estimated cost of the facility needs}}{\text{Estimated current Replacement cost}}$

1959

207

Lee Elementary School

Year Built: 1959

Building Additions:

- Gymnasium Addition 1978, 1994
- Classroom Addition 1989, 1994

Approx. SF: 97,068 SF

Approx. Site Acreage: 12.15

Grades Served: PreK-5

Functional Capacity: 921

Enrollment (2/2022): 705

No. Classrooms: 49



Lee Elementary School

ARCHITECTURAL - EXTERIOR

- Replace operable windows.
- Repaint exterior metal doors and frames.
- Repair brick and stucco damage, seal penetration and clean exterior.
- Replace entry canopy with new.
- Replace water damaged painted wood soffits.

ARCHITECTURAL - INTERIOR

- Install new tile wainscot & tack boards in corridors.
- Complete renovation of single restrooms to be ADA compliant.
- Replace millwork, interior doors & frames, and ceilings throughout.
- Replace flooring with LVT and new rubber base.

CIVIL

- Replace heaved sidewalk for ADA compliance and replace sealant at building.
- Replace asphalt with concrete paving.
- Replace marquee sign with digital display.
- Install turf in courtyard.

MECHANICAL ELECTRICAL PLUMBING

- Replace split system units that are nearing end of life-cycle.
- Install mechanical screen at main entry façade.
- Replace sanitary line under building due to poor condition.

ROOFING

- All in need of immediate replacement. Failed gutters throughout.

FOOD SERVICE

- Replace flooring with new quarry tile.
- General replacement of equipment as noted in the report.

GYM ADDITION

- Replace metal building with new Gym Addition to be ICC-500 Compliant Storm Shelter

Lee Elementary School

FACILITIES ASSESSMENT	
\$664,916	Demolition
\$635,795	Site
\$1,281,298	Building
\$1,713,250	Exterior
\$1,655,009	Interior
\$577,555	Specialties
\$3,814,772	MEP
\$5,855,978	GC/Allowance/Escalation
\$16,198,373	Construction Costs
\$2,377,762	Development Costs
\$18,576,335	Estimated Project Costs

FCI :

10% or less is considered Excellent

11%-20% is Good

21%-40% is Fair

41%-59% is Below Average

60% or more is considered Poor

FCI - 37%

Facility Condition Index (FCI) = $\frac{\text{Estimated cost of the facility needs}}{\text{Estimated current Replacement cost}}$

1954

210

Lively Elementary School

Year Built: 1954

Building Additions:

- Gymnasium Addition 1978, 1992
- Classroom Addition 1990, 1992
- Corridor Addition 2012

Approx. SF: 92,018 SF

Approx. Site Acreage: 9.86

Grades Served: PreK-5

Functional Capacity: 952

Enrollment (2/2022): 771

No. Classrooms: 52



Lively Elementary School

ARCHITECTURAL - EXTERIOR

- Replace operable windows.
- Repaint exterior metal doors and frames.
- Replace glass blocks with window system.
- Clean brick façade throughout.

ARCHITECTURAL - INTERIOR

- Remove existing lockers in corridors & install new tile wainscot.
- Complete renovation of single & group restrooms to be ADA compliant.
- Replace millwork, ceiling tile and grid throughout campus.

CIVIL

- Replace heaved sidewalk areas for ADA compliance.
- Replace asphalt with concrete paving.
- Replace marquee sign with digital display.
- Install turf in courtyard.

MECHANICAL ELECTRICAL PLUMBING

- Replace split system units that are nearing end of life-cycle.
- Install mechanical screen at main entry façade.
- Replace sanitary line from kitchen to site connection.
- Replace Federal Pacific electrical panels.

211

ROOFING

- Most of roof is under warranty until 2032, with a few areas in need of immediate replacement including gutters and downspouts.

FOOD SERVICE

- Complete renovation and addition to expand kitchen and update finishes.
- Most new equipment needed as noted in the report.

GYM ADDITION

- Replace metal building with new Gym Addition to be ICC-500 Compliant Storm Shelter

Lively Elementary School

FACILITIES ASSESSMENT	
\$593,516	Demolition
\$602,718	Site
\$1,955,383	Building
\$1,923,176	Exterior
\$1,762,145	Interior
\$547,507	Specialties
\$4,366,254	MEP
\$6,653,246	GC/Allowance/Escalation
\$18,403,944	Construction Costs
\$2,559,485	Development Costs
\$20,963,429	Estimated Project Costs

FCI :

10% or less is considered Excellent

11%-20% is Good

21%-40% is Fair

41%-59% is Below Average

60% or more is considered Poor

FCI - 44%

Facility Condition Index (FCI) = $\frac{\text{Estimated cost of the facility needs}}{\text{Estimated current Replacement cost}}$

Schulze Elementary School

1989

213

Year Built: 1989

Building Additions:

- Gymnasium Addition 1978, 1994
- Classroom Addition 1994

Approx. SF: 93,831 SF

Approx. Site Acreage: 9.38

Grades Served: PreK-5

Functional Capacity: 840

Enrollment (2/2022): 658

No. Classrooms: 45



Schulze Elementary School

ARCHITECTURAL - EXTERIOR

- Replace operable windows.
- Repaint exterior metal doors, frames, and handrails.
- Infill glass block around platform with exterior brick wall system.
- Clean brick façade throughout.
- Replace fabric awnings with premanufactured canopies.

ARCHITECTURAL - INTERIOR

- Replace reception area storefront windows
- Upgrades to single & group restrooms to be ADA compliant.
- Replace corridor tack wallcovering with new.
- Replace millwork, room signs, ceiling tile and grid throughout campus.

CIVIL

- Replace sidewalks as needed for ADA compliance.
- Replace areas of parking lot with severe ponding.
- Replace marquee sign with digital display.
- Install turf in courtyard. Establish shade tolerant grass under trees.

MECHANICAL ELECTRICAL PLUMBING

- Replace split system units that are nearing end of life-cycle.

214

ROOFING

- A small area of roof is under warranty until 2031, but all the metal roof systems and Northwest classroom block require replacement.

FOOD SERVICE

- Complete renovation and addition to expand kitchen and update finishes.
- Replace equipment needed as noted in the report.
- Rework kitchen loading dock and dumpster area for better access.

GYM ADDITION

- Replace metal building with new Gym Addition to be ICC-500 Compliant Storm Shelter

Schulze Elementary School

FACILITIES ASSESSMENT	
\$642,742	Demolition
\$633,359	Site
\$1,172,888	Building
\$1,665,500	Exterior
\$1,449,689	Interior
\$534,837	Specialties
\$3,429,523	MEP
\$5,395,058	GC/Allowance/Escalation
\$14,923,596	Construction Costs
\$2,272,704	Development Costs
\$17,196,301	Estimated Project Costs

FCI :

10% or less is considered Excellent

11%-20% is Good

21%-40% is Fair

41%-59% is Below Average

60% or more is considered Poor

FCI - 35%

Facility Condition Index (FCI) = $\frac{\text{Estimated cost of the facility needs}}{\text{Estimated current Replacement cost}}$

2006

Stipes Elementary School

Year Built: 2006

Building Additions: None

Approx. SF: 98,200 SF

Approx. Site Acreage: 9.40

Grades Served: PreK-5

Functional Capacity: 915

Enrollment (2/2022): 602

No. Classrooms: 48



Stipes Elementary School

ARCHITECTURAL - EXTERIOR

- Repoint minor brick mortar damage.
- Replace exterior building sealants.

ARCHITECTURAL - INTERIOR

- Replace mirrors in restrooms
- Renovate and expand clinic restroom for ADA compliance.
- Replace tack wallcovering with new.
- Replace carpet and rubber base.

CIVIL

- Replace pavement markings for parking, ADA access and spaces, and fire lanes.
- Replace marquee sign with digital display.

MECHANICAL ELECTRICAL PLUMBING

- Replace rooftop as they near end of life-cycle.

ROOFING

- All areas of roof is under warranty.

FOOD SERVICE

- General replacement of equipment as noted in the report.

Stipes Elementary School

FACILITIES ASSESSMENT	
\$181,670	Demolition
\$363,340	Site
\$63,830	Building
\$324,060	Exterior
\$613,750	Interior
\$491,000	Specialties
\$2,253,690	MEP
\$2,429,757	GC/Allowance/Escalation
\$6,721,097	Construction Costs
\$1,495,818	Development Costs
\$8,216,915	Estimated Project Costs

FCI :

10% or less is considered Excellent

11%-20% is Good

21%-40% is Fair

41%-59% is Below Average

60% or more is considered Poor

FCI - 16%

Facility Condition Index (FCI) = $\frac{\text{Estimated cost of the facility needs}}{\text{Estimated current Replacement cost}}$

Thomas Haley Elementary School

1959

219

Year Built: 1959

Building Additions:

Gymnasium Addition 1978, 1994

Classroom Addition 1990, 1995

Approx. SF: 89,938 SF

Approx. Site Acreage: 11.67

Grades Served: PreK-5

Functional Capacity: 835

Enrollment (2/2022): 800

No. Classrooms: 47



Thomas Haley Elementary School

ARCHITECTURAL - EXTERIOR

- Replace operable windows.
- Repaint exterior metal doors, frames, and handrails.
- Cut in control joints in the brick above lintels at doors and windows.
- Repoint damaged areas of mortar and clean brick façade throughout.

ARCHITECTURAL - INTERIOR

- Install consistent tile wainscot throughout corridors.
- Expand and renovate to single restrooms to be ADA compliant.
- Upgrade group restrooms with new fixtures, finishes, and accessories.
- Replace carpet, rubber base, room signs, ceiling tile and grid throughout campus.

CIVIL

- Tie roof drains to underground storm system.
- Replace asphalt paving with concrete sidewalks and play court.
- Replace marquee sign with digital display.
- Install turf in courtyard.

MECHANICAL ELECTRICAL PLUMBING

- Replace split system and rooftop units that are nearing end of life-cycle. ²²⁰

ROOFING

- Most of roof is under warranty with minor maintenance repairs needed.

FOOD SERVICE

- Replace equipment needed as noted in the report.

GYM ADDITION

- Replace metal building with new Gym Addition to be ICC-500 Compliant Storm Shelter

REMOVE PORTABLE BUILDING.

Thomas Haley Elementary School

221

FACILITIES ASSESSMENT	
\$580,100	Demolition
\$575,603	Site
\$1,115,231	Building
\$1,160,200	Exterior
\$1,038,784	Interior
\$557,616	Specialties
\$3,381,669	MEP
\$2,138,249	GC/Allowance/Escalation
\$15,308,742	Construction Costs
\$2,138,249	Development Costs
\$15,308,742	Estimated Project Costs

FCI :

10% or less is considered Excellent

11%-20% is Good

21%-40% is Fair

41%-59% is Below Average

60% or more is considered Poor

FCI - 33%

Facility Condition Index (FCI) = $\frac{\text{Estimated cost of the facility needs}}{\text{Estimated current Replacement cost}}$

Townley Elementary School

1978

Year Built: 1978

Building Additions:

Gymnasium Addition 1978, 1994

Classroom Addition 1989, 1994

Approx. SF: 91,354 SF

Approx. Site Acreage: 10.00

Grades Served: PreK-5

Functional Capacity: 913

Enrollment (2/2022): 678

No. Classrooms: 51



Townley Elementary School

ARCHITECTURAL - EXTERIOR

- Replace exterior wall glass blocks with window system.
- Repaint exterior metal doors, frames, and handrails.
- Install coping on exterior wall by SPED courtyard.
- Clean brick façade throughout.

ARCHITECTURAL - INTERIOR

- Remove existing lockers in corridors & install new tile wainscot.
- Expand and renovate to single restrooms to be ADA compliant.
- Replace carpet, rubber base, millwork, ceiling tile and grid throughout campus.
- Repaint interior door frames

CIVIL

- Tie roof drains to underground storm system.
- Replace sidewalks that are uneven and no longer ADA-complaint
- Replace marquee sign with digital display.
- Add turf to replace grass in west exterior SPED area.

MECHANICAL ELECTRICAL PLUMBING

- General maintenance and future scope.

ROOFING

- All roof areas to be replaced.

FOOD SERVICE

- Replace ceiling tiles and HVAC diffusers.
- Replace equipment needed as noted in the report.

GYM ADDITION

- Replace metal building with new Gym Addition to be ICC-500 Compliant Storm Shelter

Townley Elementary School

FACILITIES ASSESSMENT	
\$630,343	Demolition
\$616,640	Site
\$1,119,087	Building
\$1,708,320	Exterior
\$771,941	Interior
\$557,259	Specialties
\$3,092,333	MEP
\$4,810,391	GC/Allowance/Escalation
\$13,306,313	Construction Costs
\$2,139,440	Development Costs
\$15,445,753	Estimated Project Costs

FCI :

10% or less is considered Excellent

11%-20% is Good

21%-40% is Fair

41%-59% is Below Average

60% or more is considered Poor

FCI - 33%

Facility Condition Index (FCI) = $\frac{\text{Estimated cost of the facility needs}}{\text{Estimated current Replacement cost}}$

2003

225

Townsell Elementary School

Year Built: 2003

Building Additions:

Classroom Addition 2005

Approx. SF: 104,120 SF

Approx. Site Acreage: 8.50

Grades Served: PreK-5

Functional Capacity: 929

Enrollment (2/2022): 831

No. Classrooms: 49



Townsell Elementary School

ARCHITECTURAL - EXTERIOR

- Repoint minor brick mortar damage.
- Replace exterior building sealants.

ARCHITECTURAL - INTERIOR

- General maintenance for interiors.

CIVIL

- Sections of sidewalk paving to be replaced due to heaving.
- Regrade locations with soil erosion.
- Replace pavement markings for parking, ADA access and spaces, and fire lanes.
- Replace marquee sign with digital display.

MECHANICAL ELECTRICAL PLUMBING

- Replace rooftop as they near end of life-cycle.
- Add dedicated heater unit to riser room

ROOFING

- All areas of roof is under warranty.

FOOD SERVICE

- General future replacement of equipment as noted in the report.

Townsell Elementary School

FACILITIES ASSESSMENT	
\$676,780	Demolition
\$411,274	Site
\$130,150	Building
\$260,300	Exterior
\$973,522	Interior
\$499,776	Specialties
\$2,207,344	MEP
\$2,921,108	GC/Allowance/Escalation
\$8,080,254	Construction Costs
\$1,604,813	Development Costs
\$9,685,067	Estimated Project Costs

FCI :

10% or less is considered Excellent

11%-20% is Good

21%-40% is Fair

41%-59% is Below Average

60% or more is considered Poor

FCI - 18%

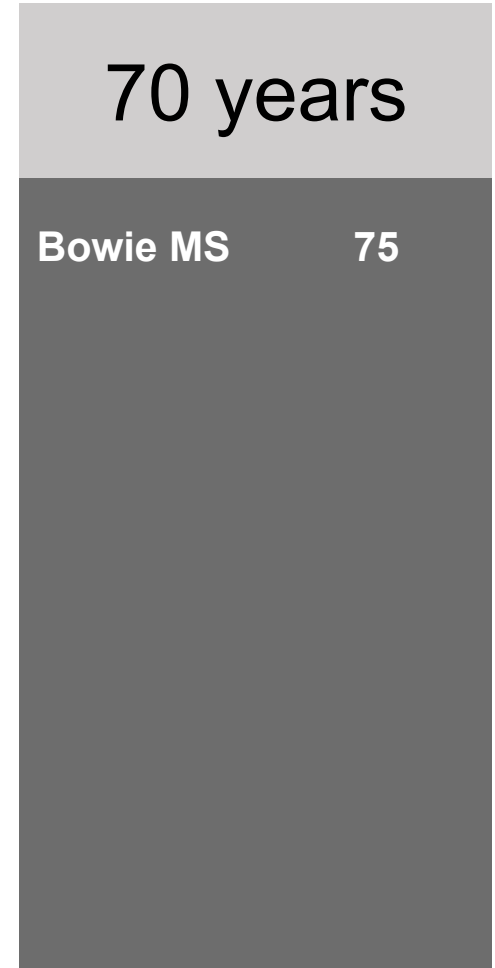
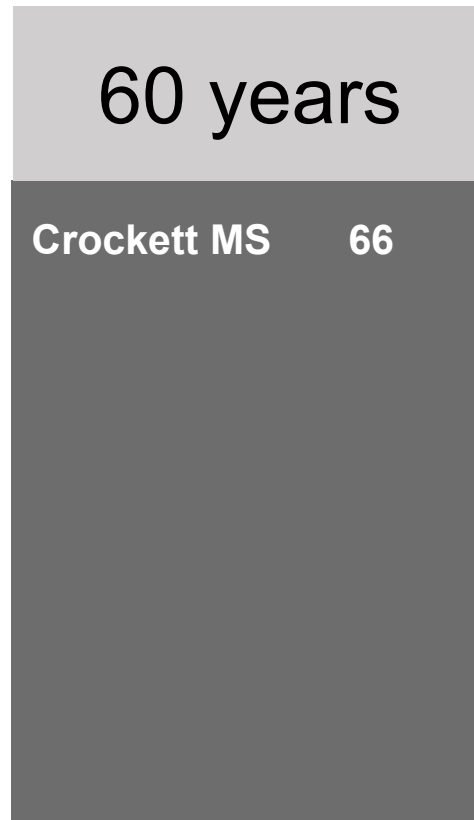
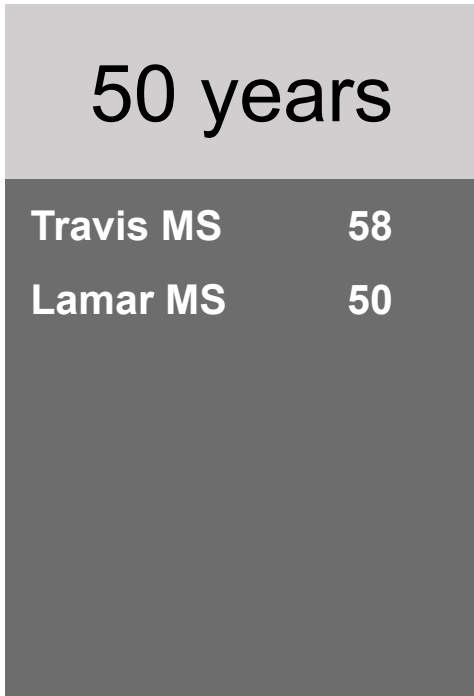
Facility Condition Index (FCI) = $\frac{\text{Estimated cost of the facility needs}}{\text{Estimated current Replacement cost}}$



Middle Schools

47 years

average
middle school
building age



Middle School Assessment Cost Summary

230

	Age of Building	Original Building Year Completed	Square Footage	Total Assessment Estimated Cost	FCI Based on Existing SF	Replacement Cost Based on Existing SF
Austin Middle School	46	1976	151,916	\$18,244,520	0.2358	\$77,361,704
Bowie Middle School	75	1947	195,632	\$24,328,117	0.2442	\$99,623,640
Crockett Middle School	66	1956	149,522	\$24,881,445	0.3268	\$76,142,583
De Zavala Middle School	21	2001	152,866	\$17,349,616	0.2229	\$77,845,482
Houston Middle School	46	1976	197,737	\$19,858,043	0.1972	\$100,695,590
Johnson Middle School	11	2011	151,693	\$11,249,305	0.1456	\$77,248,143
Lamar Middle School	50	1972	155,035	\$27,298,442	0.3458	\$78,950,023
Travis Middle School	58	1964	173,611	\$25,259,644	0.2857	\$88,409,666
			1,328,012	\$168,469,132		\$676,276,831

District Overview – Middle School Facilities

231

1

ARCHITECTURAL - EXTERIOR

All exterior windows and wall control joints to be resealed.

Upgrades to athletic field press box/concessions/restroom buildings

2

ARCHITECTURAL - INTERIOR

3

CIVIL & SITE

Correct grading to have positive drainage away from the building & sidewalks.

Re-seal site paving caulk joints throughout.

Replace storm and sanitary from building to city meter

4

MEP

Replace all interior, exterior and site fixtures with LED lighting.

Upgrade PA and Fire Alarm system.

Add dedicated units to electrical, IDF, MDF and riser rooms.

5

ROOFING

6

FOOD SERVICE

Replace equipment as noted in report.

Austin Middle School

1976

232

Year Built: 1976

Building Additions:

Classroom Addition 1993

Fine Arts Band Hall 2006

Administration Addition 2011

Press box / concession/ RR 2003

Athletic Storage 2004

Approx. SF: 151,916 SF

Approx. Site Acreage: 18.15

Grades Served: 6-8

Functional Capacity: 1,115

Enrollment (2/2022): 908

No. Classrooms: 54



Austin Middle School

ARCHITECTURAL - EXTERIOR

- Replace original windows throughout building, including operable windows.
- Repaint exterior metal doors, frames, and handrails.
- Replace old rusted metal canopies.

ARCHITECTURAL - INTERIOR

- Replace wood doors and hardware throughout.
- Complete renovation of all group restrooms.
- Replace ceiling tiles and grid in corridors.
- Upgrade 30% of classrooms including new millwork, ceiling tile and grid
- Replace carpet, rubber base and acoustic wall panels in Fine Art areas.
- Upgrade Competition Gym Lobby including concessions and restrooms.
- Renovate and upgrade all locker rooms including restrooms, lockers, flooring and wall paint.
- Replace gym wood floors and weight room rubber flooring.

REMOVE PORTABLE BUILDINGS.

CIVIL

- Tie roof drains to underground storm system.
- Restripe for required ADA compliant parking space.
- Replace sidewalks that are uneven and no longer ADA-complaint
- Replace marquee sign with digital display.

233

MECHANICAL ELECTRICAL PLUMBING

- Replace RTUs installed before 2002.
- Replace lavatories.
- Replace Federal Pacific electrical panels.
- Replace non-compliant light switches.

ROOFING

- All roof areas to be replaced.

FOOD SERVICE

- Kitchen needs complete renovation including doors, ceiling, lights, floor and wall tile replacement.
- Replace equipment needed as noted in the report.

Austin Middle School

FACILITIES ASSESSMENT	
\$873,517	Demolition
\$1,848,818	Site
\$235,470	Building
\$607,664	Exterior
\$1,488,777	Interior
\$622,856	Specialties
\$4,230,861	MEP
\$5,609,888	GC/Allowance/Escalation
\$15,517,849	Construction Costs
\$2,726,671	Development Costs
\$18,244,520	Estimated Project Costs

FCI :

10% or less is considered Excellent

11%-20% is Good

21%-40% is Fair

41%-59% is Below Average

60% or more is considered Poor

FCI - 24%

Facility Condition Index (FCI) = $\frac{\text{Estimated cost of the facility needs}}{\text{Estimated current Replacement cost}}$

1947

235

Bowie Middle School

Year Built: 1947

Building Additions:

Science Addition 1992

Band Hall 1992

Press box / concession/ RR 2003

Cafeteria Addition / Athletic Storage 2004

Gymnasium Addition 2011

Approx. SF: 195,632 SF

Approx. Site Acreage: 16.00

Grades Served: 6-8

Max Capacity: 1,075

Enrollment (2/2022): 822

No. Classrooms: 57



Bowie Middle School

ARCHITECTURAL - EXTERIOR

- Replace operable windows throughout building.
- Repair/replace metal panels where damaged.
- Construct new administration addition and secure entry vestibule.
- Replace/repair brick on library wall.

ARCHITECTURAL - INTERIOR

- Replace wood doors and hardware throughout.
 - Renovate center classroom entrances to have compliant door clearances.
- Complete renovation of faculty restrooms to be ADA-compliant.
- Replace corridor tack boards.
- Renovate and upgrade girl's locker rooms including restrooms, flooring and wall paint.
- Replace bleachers and hollow metal doors at Practice Gym.
- Remove all corridor lockers, install tile wainscot.

CIVIL

- Tie roof drains to underground storm system.
- Replace track surface
- Replace sidewalks that are uneven and no longer ADA-complaint
- Replace marquee sign with digital display.

MECHANICAL ELECTRICAL PLUMBING

- Relocate electrical gear to dedicated interior electrical room.

ROOFING

- All roof areas have 5-7 years remaining under warranty.

FOOD SERVICE

- Replace doors, ceiling tiles and grid, and quarry tile flooring.
- Replace equipment needed as noted in the report.

Bowie Middle School

FACILITIES ASSESSMENT	
\$1,279,621	Demolition
\$1,875,475	Site
\$840,057	Building
\$1,064,723	Exterior
\$2,588,547	Interior
\$644,695	Specialties
\$5,206,397	MEP
\$7,643,425	GC/Allowance/Escalation
\$21,142,939	Construction Costs
\$3,185,178	Development Costs
\$24,328,117	Estimated Project Costs

FCI :

10% or less is considered Excellent

11%-20% is Good

21%-40% is Fair

41%-59% is Below Average

60% or more is considered Poor

FCI - 24%

Facility Condition Index (FCI) = $\frac{\text{Estimated cost of the facility needs}}{\text{Estimated current Replacement cost}}$

Crockett Middle School

1956

Year Built: 1956

Building Additions:

Classroom Addition 1993, 1999

Band Hall 1992

Press box / concession/ RR 2003

Administration Addition 2012

Approx. SF: 149,522 SF

Approx. Site Acreage: 14.65

Grades Served: 6-8

Functional Capacity: 1,042

Enrollment (2/2022): 938

No. Classrooms: 56



Crockett Middle School

ARCHITECTURAL - EXTERIOR

- Replace operable windows and glass block throughout building.
- Replace old metal canopies with new.
- Repoint mortar on west side of building.
- Replace/repair brick on retaining wall.
- New addition for weight room attached to main building.

ARCHITECTURAL - INTERIOR

- Complete renovation of student and faculty restrooms to be ADA-compliant with upgraded finishes, fixtures and accessories.
- Renovate and upgrade boys' locker rooms including restrooms, flooring and wall paint.
- Replace practice gym wood floor.
- Replan Fine Arts programs to be closer in proximity to each other.
- Remove all corridor lockers, install tile wainscot.

CIVIL

- Tie roof drains to underground storm system.
- Replace chain link fencing
- Replace sidewalks that are uneven and no longer ADA-complaint
- Replace marquee sign with digital display.
- Install turf in courtyards

239

MECHANICAL ELECTRICAL PLUMBING

- Relocate electrical gear to dedicated interior electrical room, rerun all wiring interior in lieu of on roof.
- Majority of RTU's require replacement.

ROOFING

- Almost all roof areas need immediate replacement.

FOOD SERVICE

- Replace equipment needed as noted in the report.

Crockett Middle School

FACILITIES ASSESSMENT	
\$1,106,463	Demolition
\$2,055,928	Site
\$657,897	Building
\$1,928,834	Exterior
\$2,354,972	Interior
\$426,138	Specialties
\$5,375,316	MEP
\$7,873,320	GC/Allowance/Escalation
\$21,778,866	Construction Costs
\$3,102,579	Development Costs
\$24,881,445	Estimated Project Costs

FCI :

10% or less is considered Excellent

11%-20% is Good

21%-40% is Fair

41%-59% is Below Average

60% or more is considered Poor

FCI - 33%

Facility Condition Index (FCI) = $\frac{\text{Estimated cost of the facility needs}}{\text{Estimated current Replacement cost}}$

2001

241

De Zavala Middle School

Year Built: 2001

Building Additions:

Press box / concession/ RR 2003

Gymnasium Addition 2011

Approx. SF: 173,611 SF

Approx. Site Acreage: 21.90

Grades Served: 6-8

Functional Capacity: 837

Enrollment (2/2022): 884

No. Classrooms: 45



De Zavala Middle School

ARCHITECTURAL - EXTERIOR

- Clean of exterior wall finish
- Paint exterior metal doors, gates and handrails

ARCHITECTURAL - INTERIOR

- Replace 10% damaged ceiling tiles throughout.
- Remove all corridor lockers, install tile wainscot.
- Replace or remove wallcovering.

CIVIL

- Replace track surface.
- Replace chain link fencing
- Replace sidewalks that are uneven and no longer ADA-complaint
- Replace marquee sign with digital display.

MECHANICAL ELECTRICAL PLUMBING

- Replace fan powered boxes fed from RTUs.
- Replace metered faucets with manual.

ROOFING

- Half of roof is over warranty; other half has only 4 years remaining. Recommend replacement.

FOOD SERVICE

- Most of the equipment requires replacement as noted in the report.

De Zavala Middle School

FACILITIES ASSESSMENT	
\$886,623	Demolition
\$1,910,825	Site
\$107,006	Building
\$1,322,291	Exterior
\$642,037	Interior
\$535,031	Specialties
\$3,982,159	MEP
\$5,314,338	GC/Allowance/Escalation
\$14,700,310	Construction Costs
\$2,649,306	Development Costs
\$17,349,616	Estimated Project Costs

FCI :

10% or less is considered Excellent

11%-20% is Good

21%-40% is Fair

41%-59% is Below Average

60% or more is considered Poor

FCI - 22%

Facility Condition Index (FCI) = $\frac{\text{Estimated cost of the facility needs}}{\text{Estimated current Replacement cost}}$

1976

244

Houston Middle School

Year Built: 1976

Building Additions:

Cafeteria / Kitchen addition 2000

Press box / concession/ RR 2003

Approx. SF: 197,737 SF

Approx. Site Acreage: 43.50

Grades Served: 6-8

Functional Capacity: 1,182

Enrollment (2/2022): 915

No. Classrooms: 55



Houston Middle School

ARCHITECTURAL - EXTERIOR

- Replace entry canopy.
- Replace window glazing.
- Repoint failing mortar locations and clean brick exterior.

ARCHITECTURAL - INTERIOR

- Complete renovation of single restrooms to be ADA-compliant with upgraded finishes, fixtures and accessories.
- Renovate and upgrade locker rooms including restrooms, lockers, flooring and wall paint.
- Extend walls to deck on 2nd floor between classrooms.
- Replace carpet, rubber base and acoustic wall panels in Fine Arts classrooms.
- Remove all corridor lockers, install tile wainscot.

CIVIL

- Replace track surface.
- Replace chain link fencing
- Replace sidewalks that are uneven and no longer ADA-complaint
- Replace marquee sign with digital display.
- Tie roof drains to underground storm system.

245

MECHANICAL ELECTRICAL PLUMBING

- Replace AHUs and RTUs nearing end of life cycle.
- Replace old electrical panels.

ROOFING

- Roof is under warranty with minor repairs.

FOOD SERVICE

- Replace equipment needed as noted in the report.
- Restroom is not compliant.

Houston Middle School

FACILITIES ASSESSMENT	
\$1,146,875	Demolition
\$2,145,446	Site
\$296,606	Building
\$672,306	Exterior
\$1,858,728	Interior
\$652,532	Specialties
\$4,093,156	MEP
\$6,152,130	GC/Allowance/Escalation
\$17,017,778	Construction Costs
\$2,840,265	Development Costs
\$19,858,043	Estimated Project Costs

FCI :

10% or less is considered Excellent

11%-20% is Good

21%-40% is Fair

41%-59% is Below Average

60% or more is considered Poor

FCI - 18%

Facility Condition Index (FCI) = $\frac{\text{Estimated cost of the facility needs}}{\text{Estimated current Replacement cost}}$

2011

247

Johnson Middle School

Year Built: 2011

Building Additions:

None

Approx. SF: 151,693 SF

Approx. Site Acreage: 26.35

Grades Served: 6-8

Functional Capacity: 1,019

Enrollment (2/2022): 931

No. Classrooms: 53



Johnson Middle School

ARCHITECTURAL - EXTERIOR

- General maintenance.

ARCHITECTURAL - INTERIOR

- Remove all corridor lockers, install tile wainscot.
- Add corner guards.

CIVIL

- Tie roof overflow drains to storm on west side of building.
- Replace sidewalks that are uneven and no longer ADA-complaint

MECHANICAL ELECTRICAL PLUMBING

- Upgrade Wattstopper System
- Replace wind turbines with new.

ROOFING

- Roof under warranty until 2031.

FOOD SERVICE

- Potential replacement of equipment noted in the report.

Johnson Middle School

FACILITIES ASSESSMENT	
\$872,235	Demolition
\$1,949,255	Site
\$189,616	Building
\$204,786	Exterior
\$675,034	Interior
\$379,233	Specialties
\$1,532,099	MEP
\$3,285,238	GC/Allowance/Escalation
\$9,087,495	Construction Costs
\$2,161,810	Development Costs
\$11,249,305	Estimated Project Costs

FCI :

10% or less is considered Excellent

11%-20% is Good

21%-40% is Fair

41%-59% is Below Average

60% or more is considered Poor

FCI - 15%

Facility Condition Index (FCI) = $\frac{\text{Estimated cost of the facility needs}}{\text{Estimated current Replacement cost}}$

1972

250

Lamar Middle School

Year Built: 1972

Building Additions:

Classroom Addition 1993, 1999
Press box / concession/ RR 2003

Approx. SF: 155,035 SF

Approx. Site Acreage: 15.63

Grades Served: 6-8

Functional Capacity: 970

Enrollment (2/2022): 721

No. Classrooms: 50



Lamar Middle School

ARCHITECTURAL - EXTERIOR

- Replace operable windows throughout building.
- Construct new administration addition and secure entry vestibule.
- Replace all aggregate panel with stucco finish.
- Replace canopies with premanufactured canopies.

ARCHITECTURAL - INTERIOR

- Replace painted wall tile with new tile wainscot throughout corridors and cafeteria.
- Replace wood doors and hardware throughout.
- Remove all corridor lockers, install tile wainscot.
- Replace backstops and bleachers at Gyms.
- Replace acoustic wall tiles in Fine Arts rooms.
- Replace finishes in library and classrooms including ceilings, floors and new wall paint.
- Update layouts and non-compliant sinks in SPED classrooms.

ROOFING

- Half of the roof areas are recommended for replacement

CIVIL

- Tie roof drains to underground storm system.
- Replace track surface
- Replace asphalt surface with concrete paving.
- Replace sidewalks that are uneven and no longer ADA-complaint
- Replace marquee sign with digital display.
- Install turf in courtyards.

MECHANICAL ELECTRICAL PLUMBING

- Replace RTUs nearing end of life.
- Add emergency lighting in original portions of building.
- Multiple issues reported with plumbing – replace sanitary lines.

FOOD SERVICE

- Kitchen & Serving lines needs complete renovation including doors, ceiling, lights, floor and wall tile replacement.
- Install stair to west of dock for access.
- Replace dock bumpers and dock topping slab.

Lamar Middle School

FACILITIES ASSESSMENT	
\$999,976	Demolition
\$2,116,228	Site
\$984,472	Building
\$1,875,924	Exterior
\$2,589,085	Interior
\$813,934	Specialties
\$5,852,571	MEP
\$8,624,465	GC/Allowance/Escalation
\$23,856,654	Construction Costs
\$3,441,788	Development Costs
\$27,298,442	Estimated Project Costs

FCI :

10% or less is considered Excellent

11%-20% is Good

21%-40% is Fair

41%-59% is Below Average

60% or more is considered Poor

FCI - 35%

Facility Condition Index (FCI) = $\frac{\text{Estimated cost of the facility needs}}{\text{Estimated current Replacement cost}}$

1964

253

Travis Middle School

Year Built: 1964

Building Additions:

Classroom Addition 1992

Fine Arts Band Hall 2002

Press box / concession/ RR 2003

Fine Arts Orchestra and Choir 2005

Science wing addition 2010

Approx. SF: 173,611 SF

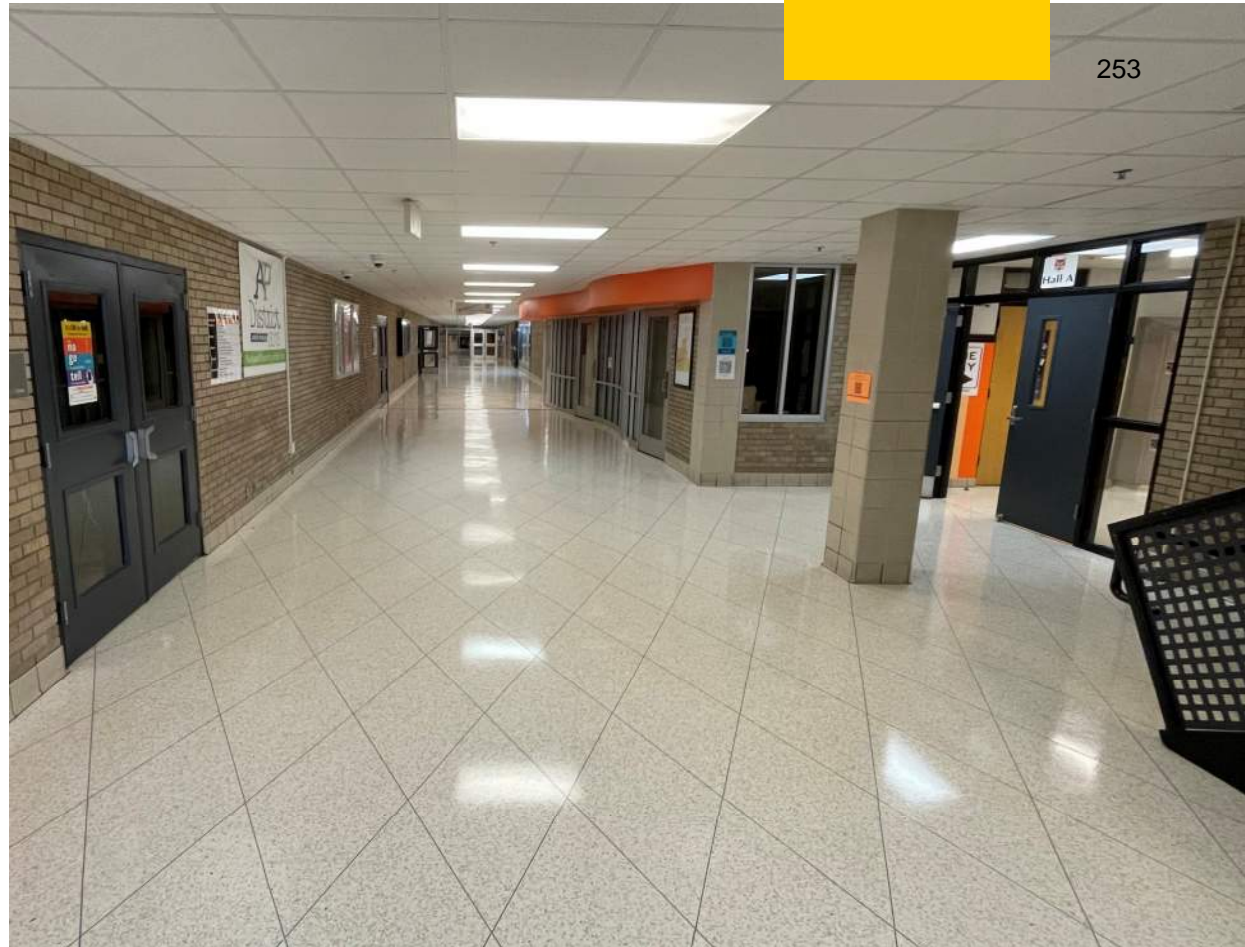
Approx. Site Acreage: 17.62

Grades Served: 6-8

Functional Capacity: 1,139

Enrollment (2/2022): 1,016

No. Classrooms: 60



Travis Middle School

ARCHITECTURAL - EXTERIOR

- Construct new administration addition and secure entry vestibule.
- Replace canopies with premanufactured canopies.
- Replace metal gym building with new practice gym and storm shelter.

ARCHITECTURAL - INTERIOR

- Replace painted wall tile with new tile wainscot throughout corridors and cafeteria.
- Replace millwork and ceilings throughout.
- Remove all corridor lockers, install tile wainscot.
- Replace carpet and base in Fine Arts rooms.
- Replace finishes in library including ceilings, floors and new wall paint.

ROOFING

- Roof areas are under warranty.

- Tie roof drains to underground storm system.
- Replace track surface
- Replace asphalt surface with concrete paving.
- Replace sidewalks that are uneven and no longer ADA-complaint
- Replace marquee sign with digital display.
- Install turf in courtyards.

254

MECHANICAL ELECTRICAL PLUMBING

- Replace RTUs nearing end of life.
- Upgrade 2-pipe to 4-pipe chilled water system.
- Light switches are not compliant – relocate to correct height.

FOOD SERVICE

- Kitchen & Serving lines needs complete renovation including doors, ceiling, lights, floor and wall tile replacement.
- Install stair to west of dock for access.
- Replace dock bumpers and dock topping slab.

Travis Middle School

FACILITIES ASSESSMENT	
\$1,085,069	Demolition
\$2,317,707	Site
\$1,093,749	Building
\$1,467,013	Exterior
\$1,901,040	Interior
\$590,277	Specialties
\$5,572,913	MEP
\$7,942,523	GC/Allowance/Escalation
\$21,970,291	Construction Costs
\$3,289,352	Development Costs
\$25,259,644	Estimated Project Costs

FCI :

10% or less is considered Excellent

11%-20% is Good

21%-40% is Fair

41%-59% is Below Average

60% or more is considered Poor

FCI - 29%

Facility Condition Index (FCI) = $\frac{\text{Estimated cost of the facility needs}}{\text{Estimated current Replacement cost}}$



High Schools

50 years

average
high school
building age

50 years

MacArthur HS	59
Nimitz HS	56

60 years

Irving HS	63
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High School Assessment Cost Summary

258

	Age of Building	Original Building Year Completed	Square Footage	Total Assessment Estimated Cost	FCI Based on Existing SF	Replacement Cost Based on Existing SF
Irving High School	63	1959	428,297	\$92,038,092	0.4082	\$225,481,239
MacArthur High School	59	1963	379,583	\$52,060,248	0.2605	\$199,835,266
Nimitz High School	56	1966	415,881	\$86,628,906	0.5929	\$218,944,711
Singley Academy	21	2001	268,735	\$25,828,554	0.1826	\$141,478,228
Barbara Cardwell Center	32	1990	57,786	\$7,401,542	0.2433	\$30,422,018
			1,550,282	\$263,957,342		\$816,161,462

District Overview – High School Facilities

1 **ARCHITECTURAL - EXTERIOR**
All exterior windows and wall control joints to be resealed.
Upgrades to athletic field press box/concessions/restroom buildings
Replace Weight Room Buildings at IHS, MHS, & NHS

2 **ARCHITECTURAL - INTERIOR**
Replace interior room signs

3 **CIVIL & SITE**
Correct grading to have positive drainage away from the building & sidewalks.
Re-seal site paving caulk joints throughout.
Replace storm and sanitary from building to city meter

4 **MEP**
Replace all interior, exterior and site fixtures with LED lighting.
Upgrade PA and Fire Alarm system.
Add dedicated units to electrical, IDF, MDF and riser rooms.

5 **ROOFING**

6 **FOOD SERVICE**
Replace equipment as noted in report.

1959

Irving High School

Year Built: 1959

Building Additions:

Cosmetology 1964	Fine arts Addition 2016
Weight room 1978	CTE Addition 2019
Library 1992	Outdoor concession/RR 2003
ROTC 1999	Activity Center 1994
Classroom wing 2009	Fieldhouse 2010

Approx. SF: 428,297 SF

Approx. Site Acreage: 53.04

Grades Served: 9-12

Functional Capacity: 2,337

Enrollment (2/2022): 2,654

No. Classrooms: 117



Irving High School

ARCHITECTURAL - EXTERIOR

- Construct new administration addition and secure entry vestibule.
- Replace dated canopies with premanufactured canopies.
- Remove metal sunshade structure and replace failed exterior wall tile from classroom wings with plaster finish.
- Repair brick and mortar throughout where failed, clean throughout.
- Repair pavers near entry.

ARCHITECTURAL - INTERIOR

- Remove all corridor lockers, install tile wainscot. Replace any painted wall tiles.
- Replace millwork and ceilings throughout classrooms. Refinish science lab casework in older rooms.
- Competition Gym, Practice gym and locker rooms require major upgrades.
- Replace finishes in library including ceilings, floors and new wall paint.

ROOFING

- Majority of roof areas are in immediate need of replacement.

CIVIL

- Tie roof drains to underground storm system, particularly in courtyards.²⁶¹
- Install turf in courtyards.
- Replace fence in areas around practice fields
- Replace asphalt surface with concrete paving.
- Replace sidewalks that are uneven and no longer ADA-complaint

MECHANICAL ELECTRICAL PLUMBING

- Replace interior grilles and registers.
- Replace Competition Gym HVAC units.
- Poor sanitary and storm drainage reported – upgrade lines.
- Replace Federal Pacific electrical panels.

FOOD SERVICE

- Kitchen & Serving lines needs complete renovation including doors, ceiling, lights, floor (kitchen only) and wall tile replacement.
- Addition or heavy renovation to include interior freezer unit.
- Install GFCI outlets in kitchen area.

Irving High School

FACILITIES ASSESSMENT	
\$1,648,943	Demolition
\$6,218,872	Site
\$5,375,127	Building
\$9,465,364	Exterior
\$8,608,770	Interior
\$1,220,646	Specialties
\$20,408,352	MEP
\$29,978,068	GC/Allowance/Escalation
\$82,924,143	Construction Costs
\$9,113,949	Development Costs
\$92,038,092	Estimated Project Costs

FCI :

10% or less is considered Excellent

11%-20% is Good

21%-40% is Fair

41%-59% is Below Average

60% or more is considered Poor

FCI - 41

Facility Condition Index (FCI) = $\frac{\text{Estimated cost of the facility needs}}{\text{Estimated current Replacement cost}}$

Irving High School

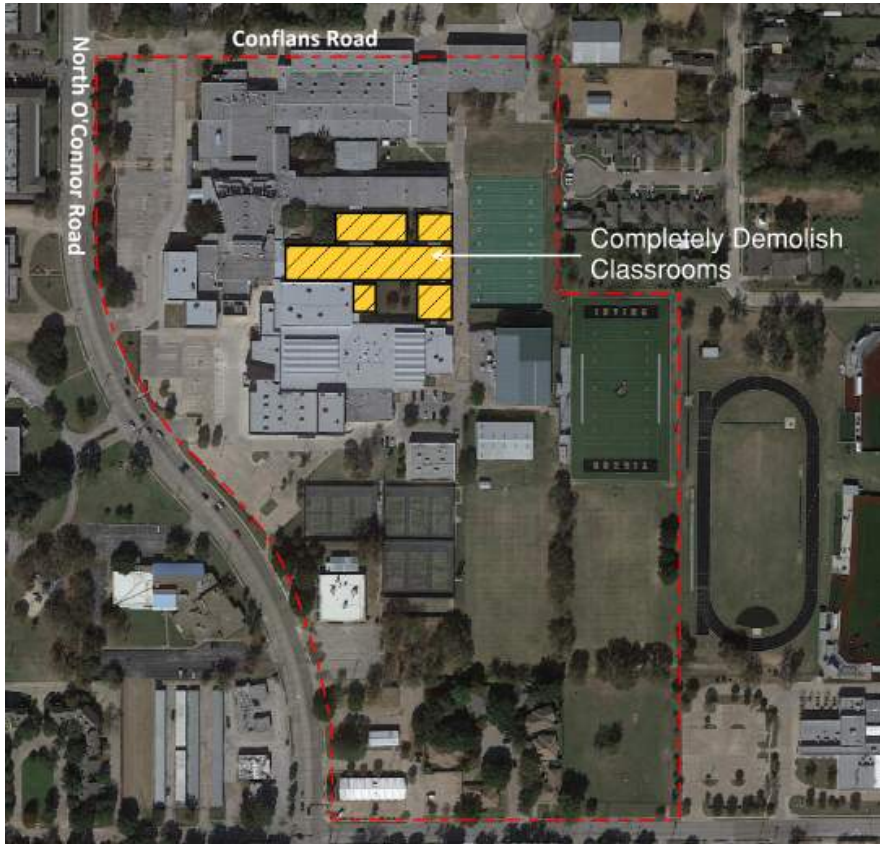
Alternate Addition Estimated Costs	
32,000 SF	Football Field House Building
\$4,700,000	Estimated Project Costs

Alternate Addition Estimated Costs	
70,000 SF	Classroom Building Addition
\$32,000,000	Estimated Project Costs

Alternate Addition Estimated Costs	
30,000 SF	Gym and Storm Shelter Addition
\$17,000,000	Estimated Project Costs

Alternate Addition Estimated Costs	
3,000 SF	Kitchen Addition
\$1,850,000	Estimated Project Costs

Alternate Scopes - Irving High School - Classrooms



Alternate Scopes - Irving High School - Athletics



Alternate Scopes Irving High School

266



1963

267

MacArthur High School

Year Built: 1963

Building Additions:

Science Addition 1972, 1994, 2009

Fine arts Addition 2016 Competition Gym 2006

Cafeteria Addition 1972 CTE Addition 2019

Band Hall 1991 Outdoor concession/RR 2003

ROTC 1966 Activity Center/Fieldhouse 1994

Approx. SF: 379,583 SF

Approx. Site Acreage: 42.70

Grades Served: 9-12

Functional Capacity: 2,495

Enrollment (2/2022): 2,660

No. Classrooms: 130



MacArthur High School

ARCHITECTURAL - EXTERIOR

- Add or renovate to provide a secure entry vestibule.
- Replace dated canopies with premanufactured canopies.
- Repair brick and mortar throughout where failed, clean throughout.
- Repair sidewalk near entry.

ARCHITECTURAL - INTERIOR

- Remove all corridor lockers, install tile wainscot. Replace any painted wall tiles.
- Replace millwork and ceilings throughout classrooms. Refinish science lab casework in older rooms.
- Practice gyms, girls' locker rooms and CTE building require major upgrades.
- Replace finishes in library including ceilings, floors and new wall paint.
- Replace VCT flooring with LVT throughout campus.
- Renovate single restroom facilities.

ROOFING

- Majority of roof areas are under warranty.

CIVIL

- Tie roof drains to underground storm system, particularly in courtyards.²⁶⁸
- Install turf in courtyard.
- Replace wood fence along businesses on MacArthur Drive.
- Replace sidewalks that are uneven and no longer ADA-complaint – near front entry

MECHANICAL ELECTRICAL PLUMBING

- Replace interior grilles and registers.
- Replace rooftop units nearing end of life-cycle.
- Replace Federal Pacific electrical transformers.

FOOD SERVICE

- Kitchen needs complete renovation including doors, ceiling, lights, floor and wall tile replacement.
- Addition or heavy renovation to include interior freezer unit.
- Install GFCI outlets in kitchen area.

MacArthur High School

FACILITIES ASSESSMENT	
\$2,543,206	Demolition
\$7,193,098	Site
\$1,119,770	Building
\$1,328,541	Exterior
\$6,661,682	Interior
\$948,958	Specialties
\$9,489,575	MEP
\$16,581,070	GC/Allowance/Escalation
\$45,8654,898	Construction Costs
\$6,194,350	Development Costs
\$52,060,248	Estimated Project Costs

FCI :

10% or less is considered Excellent

11%-20% is Good

21%-40% is Fair

41%-59% is Below Average

60% or more is considered Poor

FCI - 26%

Facility Condition Index (FCI) = $\frac{\text{Estimated cost of the facility needs}}{\text{Estimated current Replacement cost}}$

MacArthur High School

Alternate Addition Estimated Costs	
32,000 SF	Football Field House Building
\$4,700,000	Estimated Project Costs

Alternate Addition Estimated Costs	
45,000 SF	Classroom Building Addition
\$22,700,000	Estimated Project Costs

Alternate Addition Estimated Costs	
30,000 SF	Gym and Storm Shelter Addition
\$13,200,000	Estimated Project Costs

Alternate Addition Estimated Costs	
1,200 SF	Administration Addition
\$750,000	Estimated Project Costs

Alternate Scopes - MacArthur High School - Classrooms



Alternate Scopes - MacArthur High School - Athletics



Alternate Scopes MacArthur High School

273



1966

274

Nimitz High School

Year Built: 1966

Building Additions:

Science 1992, 2010 Gymnasium 1978

Fine arts Addition 2016 Planetarium 1984

Cafeteria Addition 2003 Vocational 1985

Band Hall 1992, 2010 Outdoor concession/RR 2003

ROTC /Hort. /Vet 2010 Activity Center 1994

Approx. SF: 415,881 SF

Approx. Site Acreage: 51.32

Grades Served: 9-12

Functional Capacity: 1,985

Enrollment (2/2022): 2,412

No. Classrooms: 108



Nimitz High School

ARCHITECTURAL - EXTERIOR

- Renovate to provide a secure entry vestibule. Replace entry with aluminum storefront doors and glazing.
- Replace dated canopies with premanufactured canopies.
- Repair brick and mortar throughout where failed, clean throughout.

ARCHITECTURAL - INTERIOR

- Remove all corridor lockers, install tile wainscot. Replace any painted wall tiles.
- Replace millwork and doors throughout classrooms. Refinish science lab casework in older rooms.
- Gyms & locker rooms require major upgrades.
- Replace VCT flooring with LVT, ceiling tiles and grid throughout campus.
- Renovate single and group restroom facilities.
- Replace carpet in auditorium.

ROOFING

- All roof areas are under warranty.

CIVIL

- Tie roof drains to underground storm system, particularly in courtyards.²⁷⁵
- Install turf in courtyard.
- Replace sidewalks that are uneven and no longer ADA-complaint.
- Replace chain link fencing.
- Replace asphalt paving with concrete.
- Repair drainage areas at front entry.

MECHANICAL ELECTRICAL PLUMBING

- Replace interior grilles and registers.
- Replace rooftop units nearing end of life-cycle.
- Poor sanitary and storm drainage reported – upgrade lines.

FOOD SERVICE

- Kitchen needs complete renovation including doors, ceiling, lights, floor and wall tile replacement. Install new dock bumpers.
- Install GFCI outlets in kitchen area.

Nimitz High School

FACILITIES ASSESSMENT	
\$1,434,789	Demolition
\$13,661,691	Site
\$3,555,783	Building
\$7,964,121	Exterior
\$7,839,357	Interior
\$1,039,703	Specialties
\$14,243,924	MEP
\$28,162,430	GC/Allowance/Escalation
\$77,901,798	Construction Costs
\$8,727,108	Development Costs
\$86,628,906	Estimated Project Costs

FCI :

10% or less is considered Excellent

11%-20% is Good

21%-40% is Fair

41%-59% is Below Average

60% or more is considered Poor

FCI - 40%

Facility Condition Index (FCI) = $\frac{\text{Estimated cost of the facility needs}}{\text{Estimated current Replacement cost}}$

Nimitz High School

Alternate Addition Estimated Costs	
32,000 SF	Football Field House Building
\$4,700,000	Estimated Project Costs

Alternate Addition Estimated Costs	
80,000 SF	Classroom Building Addition
\$27,100,000	Estimated Project Costs

Alternate Addition Estimated Costs	
55,000 SF	Gym and Storm Shelter Addition
\$29,000,000	Estimated Project Costs

Alternate Scopes - Nimitz High School - Classrooms

278

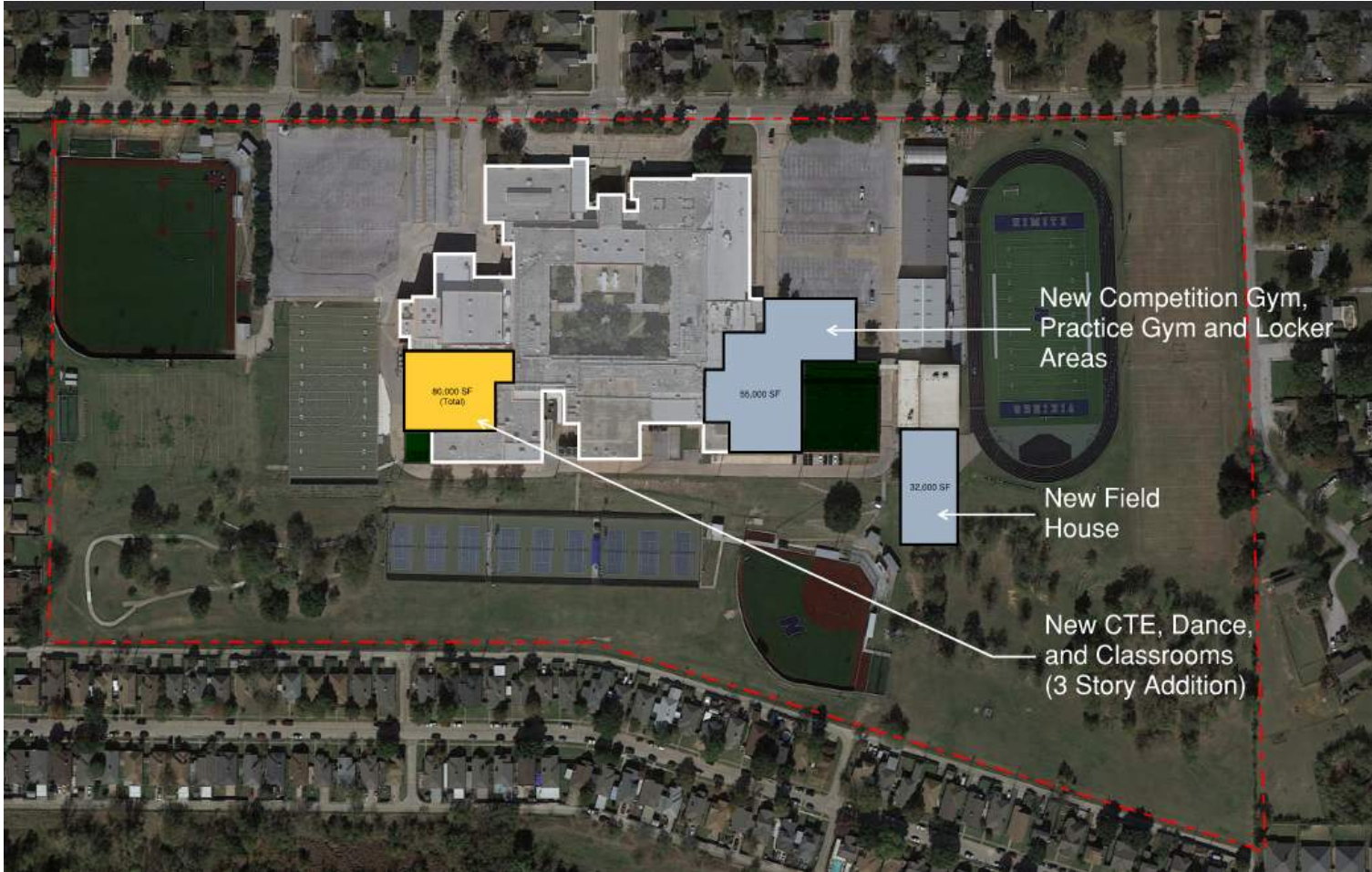


Alternate Scopes - Nimitz High School - Athletics



Alternate Scopes Nimitz High School

280



2001

281

Singley Academy High School

Year Built: 2001

Building Additions:

Athletic Court Addition 2005

Classroom / Lab / Auditorium Addition 2009

Approx. SF: 268,735

Approx. Site Acreage: 12.04

Grades Served: 9-12

Functional Capacity: 1,360

Enrollment (2/2022): 1,595

No. Classrooms: 68



Singley Academy High School

ARCHITECTURAL - EXTERIOR

- Renovate interior to provide a secure entry vestibule.
- Clean exterior throughout.
- Add dock bumpers to PAC loading dock.
- Relevel balcony pavers.

ARCHITECTURAL - INTERIOR

- Replace carpet throughout.
- Replace VCT flooring with LVT, ceiling tiles and grid throughout campus.
- Renovate single and group restroom facilities for ADA-compliance.

ROOFING

- All roof areas are under warranty.

CIVIL

- Tie roof drains to underground storm system, regrade to route drainage away from building.
- Replace sidewalks that are uneven and no longer ADA-complaint at front entry.
- Repair drainage areas at front entry.

MECHANICAL ELECTRICAL PLUMBING

- Replace AHUs
- Poor sanitary and storm drainage reported – check and upgrade lines.

FOOD SERVICE

- General replacement of equipment as noted in report.
- Replace ceiling tile and grid.

Singley Academy High School

FACILITIES ASSESSMENT	
\$1,088,377	Demolition
\$1,948,329	Site
\$510,597	Building
\$510,597	Exterior
\$2,862,028	Interior
\$1,545,226	Specialties
\$5,831,550	MEP
\$8,094,793	GC/Allowance/Escalation
\$22,391,495	Construction Costs
\$3,437,059	Development Costs
\$25,828,554	Estimated Project Costs

FCI :

10% or less is considered Excellent

11%-20% is Good

21%-40% is Fair

41%-59% is Below Average

60% or more is considered Poor

FCI - 18%

Facility Condition Index (FCI) = $\frac{\text{Estimated cost of the facility needs}}{\text{Estimated current Replacement cost}}$

Barbara Cardwell Career Preparatory Center

1990

Year Built: 1990

Building Additions:

Addition 1994, 1999

Admin, Library, Café Addition 2010

Approx. SF: 57,786 SF

Approx. Site Acreage: 6.21

Grades Served: 9-12

Functional Capacity: 515

Enrollment (2/2022): 300

No. Classrooms: 30



Barbara Cardwell Career Preparatory Center

ARCHITECTURAL - EXTERIOR

- Replace east canopy.
- General clean and repair exterior throughout.
- Repair downspouts.
- Replace operable windows.

ARCHITECTURAL - INTERIOR

- Renovate single restroom facilities for ADA-compliance.

ROOFING

- All roof areas are needed for replacement.

CIVIL

- Tie roof drains to underground storm system, regrade to route drainage away from building.
- Replace sidewalks that are uneven and no longer ADA-complaint at front entry.

MECHANICAL ELECTRICAL PLUMBING

- Replace rooftop units as they near their end of useful life.

FOOD SERVICE

- General replacement of equipment as noted in report.

Barbara Cardwell Career Preparatory Center

FACILITIES ASSESSMENT	
\$352,495	Demolition
\$190,694	Site
\$83,790	Building
\$632,757	Exterior
\$300,487	Interior
\$407,391	Specialties
\$1,618,008	MEP
\$2,030,179	GC/Allowance/Escalation
\$5,615,800	Construction Costs
\$1,785,742	Development Costs
\$7,401,542	Estimated Project Costs

FCI :

10% or less is considered Excellent

11%-20% is Good

21%-40% is Fair

41%-59% is Below Average

60% or more is considered Poor

FCI - 24%

Facility Condition Index (FCI) = $\frac{\text{Estimated cost of the facility needs}}{\text{Estimated current Replacement cost}}$

Support Facilities

40 years

average support
building age

50 years

Hands on Learning	58
Administration Annex	52

70 years

Special ED Annex	77
Ellis Stadium	70
Secondary Reassignment	70

Support Facilities Assessment Cost Summary

289

	Age of Building	Original Building Year Completed	Square Footage	Total Assessment Estimated Cost	FCI Based on Existing SF	Replacement Cost Based on Existing SF
Admin Annex	52	1970	13,348	\$1,687,923	0.2432	\$6,940,960
Administration Building	19	2003	89,245	\$4,271,399	0.0920	\$46,407,400
Ellis Stadium	70	1952	30,735	\$5,665,392	0.3545	\$15,982,200
Food Services Center	28	1994	8,000	\$3,844,871	0.9242	\$4,160,000
Hands On Learning (DW Gilbert)	59	1963	13,437	\$6,051,341	0.8661	\$6,987,240
Outdoor Learning Center	6	2016	4,200	\$396,055	0.1813	\$2,184,000
Ratteree CDC	22	2000	37,118	\$3,164,554	0.1640	\$19,301,360
Secondary Reassignment Center	70	1952	47,994	\$7,711,066	0.3090	\$24,956,880
Service Center	27	1995	66,147	\$6,996,948	0.2034	\$34,396,440
SPED Annex	77	1945	19,875	\$8,589,302	0.8311	\$10,335,000
Transportation Center	22	2000	19,187	\$7,508,618	0.7526	\$9,977,240
			349,286	\$55,887,469		\$181,628,720

1970

Administration Annex

Year Built: 1970

Building Additions: Remodel 2013

Approx. SF: 13,348 SF

Approx. Site Acreage: 0 (Irving High)



Administration Annex

ARCHITECTURAL - EXTERIOR

- Rework roof drain away from door entry to south.

ARCHITECTURAL - INTERIOR

- General maintenance

ROOFING

- All roof areas are under warranty until 2034.

CIVIL

- Tie roof drains to underground storm system, regrade to route drainage away from building.
- Replace sidewalks that are uneven and no longer ADA-complaint.
- Replace asphalt drive with concrete.

MECHANICAL ELECTRICAL PLUMBING

- General maintenance.

Administration Annex

FACILITIES ASSESSMENT	
\$78,086	Demolition
\$399,105	Site
\$72,079	Building
\$40,711	Exterior
\$118,130	Interior
\$8,676	Specialties
\$120,799	MEP
\$474,242	GC/Allowance/Escalation
\$1,311,829	Construction Costs
\$376,095	Development Costs
\$1,687,923	Estimated Project Costs

FCI :

10% or less is considered Excellent

11%-20% is Good

21%-40% is Fair

41%-59% is Below Average

60% or more is considered Poor

FCI - 24%

Facility Condition Index (FCI) = $\frac{\text{Estimated cost of the facility needs}}{\text{Estimated current Replacement cost}}$

2003

293

Administration Building

Year Built: 2003

Building Additions: None

Approx. SF: 89,245 SF

Approx. Site Acreage: 5.27



Administration Building

ARCHITECTURAL - EXTERIOR

- Interior renovation to include new secure entry vestibule.
- Replace section of windows to the west that are failing.
- Replace or infill skylights.

ARCHITECTURAL - INTERIOR

- Replace millwork and refinish doors.
- Replace interior room signs.
- Replace flooring and carpet with new rubber base.

ROOFING

- All roof areas are under warranty until 2041.

CIVIL

- Tie roof drains to underground storm system, regrade to route drainage²⁹⁴ away from building.
- Replace sidewalks that are uneven and no longer ADA-complaint.
- Regrade garden beds to be under slabs and windows.

MECHANICAL ELECTRICAL PLUMBING

- Replace blowers on AHUs.
- Replace rooftop units as they near their end-of-life cycle.

Administration Building

FACILITIES ASSESSMENT	
\$160,641	Demolition
\$486,385	Site
\$31,236	Building
\$160,641	Exterior
\$620,253	Interior
\$66,934	Specialties
\$468,536	MEP
\$1,129,983	GC/Allowance/Escalation
\$3,123,357	Construction Costs
\$1,147,416	Development Costs
\$4,271,399	Estimated Project Costs

FCI :

10% or less is considered Excellent

11%-20% is Good

21%-40% is Fair

41%-59% is Below Average

60% or more is considered Poor

FCI - 09%

Facility Condition Index (FCI) = $\frac{\text{Estimated cost of the facility needs}}{\text{Estimated current Replacement cost}}$

1952

296

Ellis Stadium and Field House

Year Built: 1952

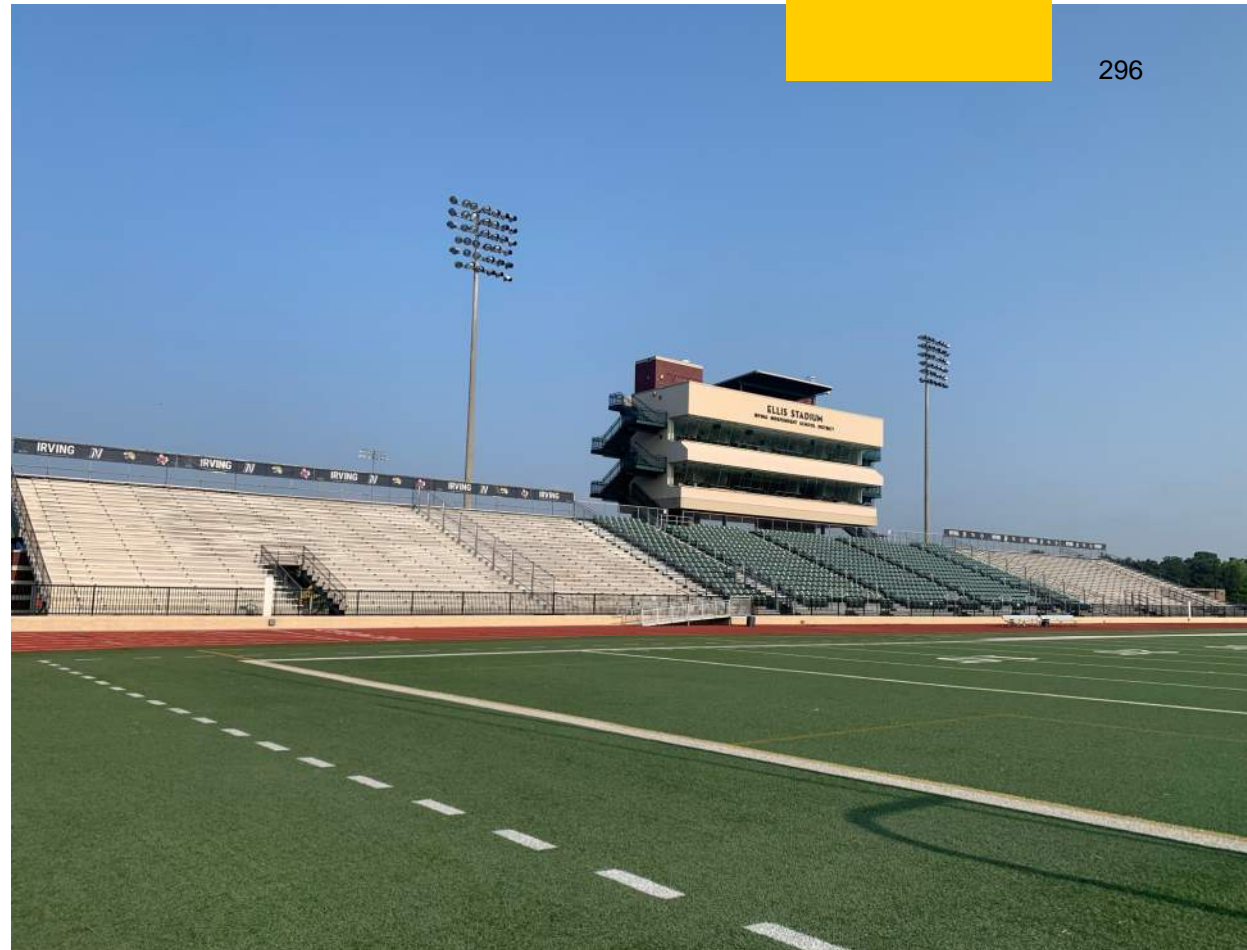
Building Additions:

- Home side Press box 2003
- Restroom Addition 2003
- Field House/Visitor Restroom 2008

Approx. SF: 30,735 SF

Approx. Site Acreage: 25.00

Stadium Seating: 11,500



Ellis Stadium and Field House

ARCHITECTURAL - EXTERIOR

- Replace home concessions overhead doors.
- .

ARCHITECTURAL - INTERIOR

- Replace interior finishes in Press box and home concessions
- Reapply epoxy flooring in field house.

ROOFING

- All roof areas are under warranty until 2034 with minor blisters needed repair..

CIVIL

- Stadium turf was installed in 2009, plan for future replacement.
- Replace sidewalks that are uneven and no longer ADA-complaint.
- Repaint of site accessories.

MECHANICAL ELECTRICAL PLUMBING

- General Maintenance.

Ellis Stadium and Field House

FACILITIES ASSESSMENT	
\$325,791	Demolition
\$1,675,058	Site
\$0	Building
\$387,261	Exterior
\$344,232	Interior
\$23,051	Specialties
\$325,791	MEP
\$1,744,566	GC/Allowance/Escalation
\$4,825,750	Construction Costs
\$839,642	Development Costs
\$5,665,392	Estimated Project Costs

FCI :

10% or less is considered Excellent

11%-20% is Good

21%-40% is Fair

41%-59% is Below Average

60% or more is considered Poor

FCI - 35%

Facility Condition Index (FCI) = $\frac{\text{Estimated cost of the facility needs}}{\text{Estimated current Replacement cost}}$

1995

299

Facilities Services Building

Year Built: 1995

Building Additions: Freezer Addition
2014

Approx. SF: 94,952 SF

Approx. Site Acreage: 10.00



Facilities Services Building

ARCHITECTURAL - EXTERIOR

- General maintenance.
- Repaint metal panels.

ARCHITECTURAL - INTERIOR

- Replace restroom finishes and fixtures in north corridor.
- Renovate and expand restrooms in warehouse area for ADA compliance.

ROOFING

- Replace original metal roof.

CIVIL

- Replace sidewalks that are uneven and no longer ADA-complaint. 300
- Repaint of site accessories.
- Add fence for parking areas.

MECHANICAL ELECTRICAL PLUMBING

- General Maintenance.

FOOD SERVICE

- General Maintenance of refrigeration units.

Facilities Services Building

FACILITIES ASSESSMENT	
\$220,878	Demolition
\$348,307	Site
\$29,734	Building
\$581,928	Exterior
\$730,596	Interior
\$63,715	Specialties
\$1,767,022	MEP
\$2,118,822	GC/Allowance/Escalation
\$5,861,002	Construction Costs
\$1,135,947	Development Costs
\$6,996,948	Estimated Project Costs

FCI :

10% or less is considered Excellent

11%-20% is Good

21%-40% is Fair

41%-59% is Below Average

60% or more is considered Poor

FCI - 20%

Facility Condition Index (FCI) = $\frac{\text{Estimated cost of the facility needs}}{\text{Estimated current Replacement cost}}$

Food and Nutrition Services Building

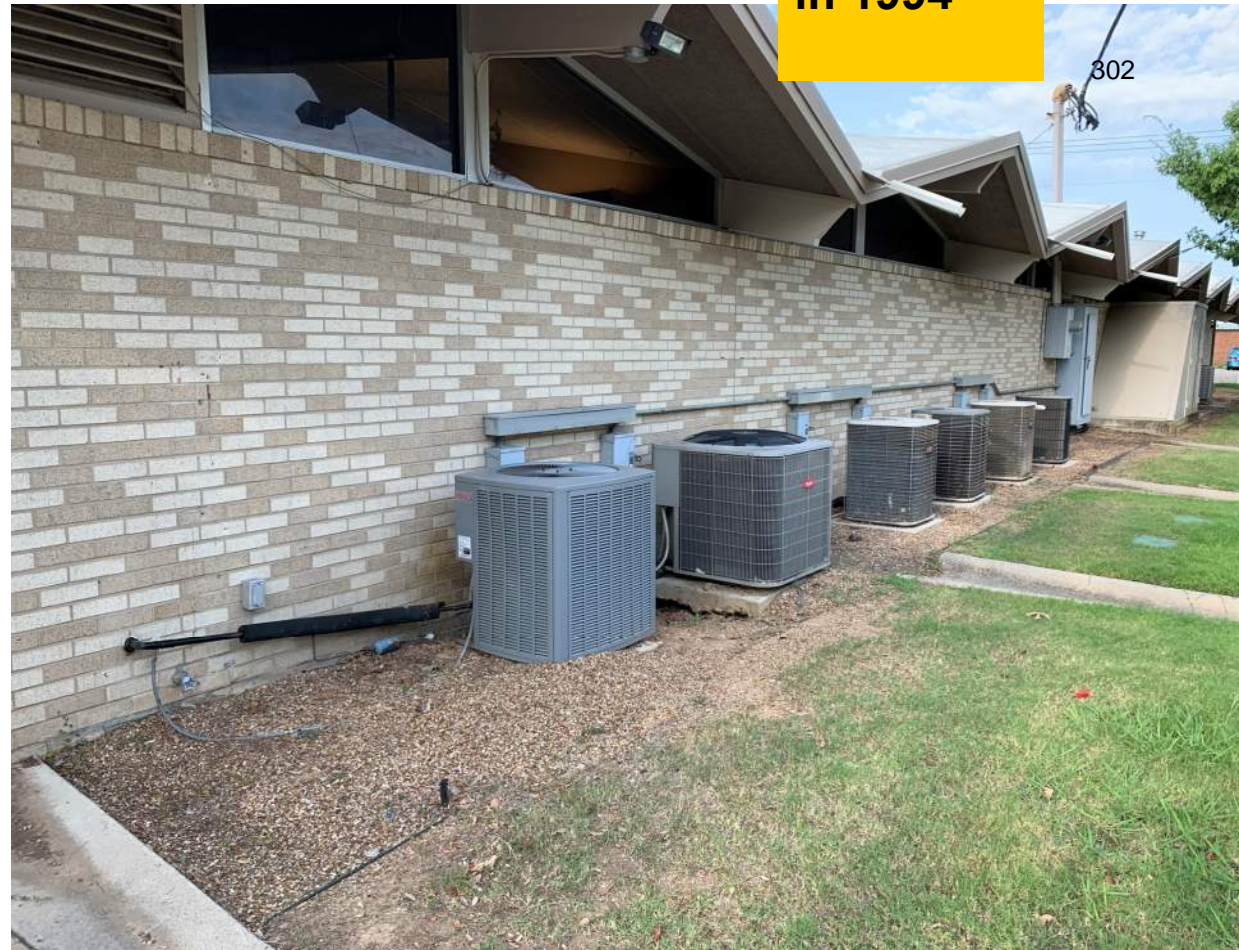
Purchased
in 1994

Year Built: Purchased in 1994, early
1960 building

Building Additions: None

Approx. SF: 8,000 SF

Approx. Site Acreage: 0.67



Food and Nutrition Services Building

ARCHITECTURAL - EXTERIOR

- Replace windows throughout.
- Repaint tectum soffit panel
- Remove existing stone wall.
- Maintain roof clear of tree debris.

ARCHITECTURAL - INTERIOR

- Extend office walls to deck for acoustics and privacy.
- Renovate break room area for ADA compliance.
- Repair water intrusion on lower floor.
- Replace interior finishes.

ROOFING

- Roof is under warranty until 2026.

CIVIL

- Replace sidewalks that are uneven and no longer ADA-complaint.
- Repaint of site accessories, parking and fire lane striping.
- Establish sod to prevent erosion.

303

MECHANICAL ELECTRICAL PLUMBING

- General Maintenance.

Food and Nutrition Services Building

FACILITIES ASSESSMENT	
\$73,200	Demolition
\$284,800	Site
\$513,200	Building
\$301,600	Exterior
\$292,000	Interior
\$6,000	Specialties
\$566,000	MEP
\$1,040,218	GC/Allowance/Escalation
\$3,077,018	Construction Costs
\$767,853	Development Costs
\$3,844,871	Estimated Project Costs

FCI :

10% or less is considered Excellent

11%-20% is Good

21%-40% is Fair

41%-59% is Below Average

60% or more is considered Poor

FCI - 92%

Facility Condition Index (FCI) = $\frac{\text{Estimated cost of the facility needs}}{\text{Estimated current Replacement cost}}$

1964

305

Hands on Learning (DW Gilbert)

Year Built: 1964

Building Additions: None

Approx. SF: 13,437 SF

Approx. Site Acreage: 1.50



Hands on Learning (DW Gilbert)

ARCHITECTURAL - EXTERIOR

- Replace windows & doors throughout.
- Replace canopies.

ARCHITECTURAL - INTERIOR

- The facility's finishes, doors and restrooms are beyond their useful life and need complete replacement.

ROOFING

- All roof areas need replacement.

CIVIL

- Replace sidewalks that are uneven and no longer ADA-complaint. 306
- Repaint of site accessories, parking and fire lane striping.
- Establish sod to prevent erosion.

MECHANICAL ELECTRICAL PLUMBING

- All systems are at end of useful life and need complete replacement.

Hands on Learning (DW Gilbert)

FACILITIES ASSESSMENT	
\$83,309	Demolition
\$456,858	Site
\$851,234	Building
\$499,856	Exterior
\$520,012	Interior
\$20,156	Specialties
\$962,761	MEP
\$1,733,452	GC/Allowance/Escalation
\$5,127,638	Construction Costs
\$923,703	Development Costs
\$6,051,341	Estimated Project Costs

FCI :

10% or less is considered Excellent

11%-20% is Good

21%-40% is Fair

41%-59% is Below Average

60% or more is considered Poor

FCI - 87%

Facility Condition Index (FCI) = $\frac{\text{Estimated cost of the facility needs}}{\text{Estimated current Replacement cost}}$

2016

308

Outdoor Learning Center

Year Built: 2016

Building Additions: None

Approx. SF: 4,200 SF

Approx. Site Acreage: 25.00

Grades Served: All Grades



Outdoor Learning Center

ARCHITECTURAL - EXTERIOR

- General Maintenance.

ARCHITECTURAL - INTERIOR

- General Maintenance.

ROOFING

- General Maintenance.

CIVIL

- Regrade walking paths and provide minor drainage improvements. 309
- Replace sidewalk paving where heaving.

MECHANICAL ELECTRICAL PLUMBING

- General Maintenance.

Outdoor Learning Center

FACILITIES ASSESSMENT	
\$17,220	Demolition
\$58,800	Site
\$0	Building
\$0	Exterior
\$42,420	Interior
\$4,200	Specialties
\$38,430	MEP
\$91,198	GC/Allowance/Escalation
\$252,268	Construction Costs
\$143,787	Development Costs
\$396,055	Estimated Project Costs

FCI :

10% or less is considered Excellent

11%-20% is Good

21%-40% is Fair

41%-59% is Below Average

60% or more is considered Poor

FCI - 18%

Facility Condition Index (FCI) = $\frac{\text{Estimated cost of the facility needs}}{\text{Estimated current Replacement cost}}$

Ratteree Career Development Center

2000

311

Year Built: 2000

Building Additions: Diesel Mechanic
Lab Addition 2009

Approx. SF: 37,118 SF

Approx. Site Acreage: 3.00

Grades Served: 9-12



Ratteree Career Development Center

ARCHITECTURAL - EXTERIOR

- Replace north and west canopies.
- General clean and repair exterior throughout.
- Repair downspouts.
- Replace failed windows and gasketing at overhead doors.

ARCHITECTURAL - INTERIOR

- Renovate single restroom facilities for ADA-compliance.
- Interior renovation to include a secured vestibule.
- Replace Millwork, rubber flooring and VCT flooring.

ROOFING

- All roof is under warranty until 2029.

CIVIL

- Replace sidewalks that are uneven and no longer ADA-complaint.
- Repairs to retaining walls and site screen walls.

312

MECHANICAL ELECTRICAL PLUMBING

- Replace majority of rooftop units as they near their end of useful life.

FOOD SERVICE

- General replacement of equipment as noted in report.

Ratteree Career Development Center

FACILITIES ASSESSMENT	
\$178,166	Demolition
\$224,564	Site
\$72,380	Building
\$343,342	Exterior
\$150,328	Interior
\$51,965	Specialties
\$623,582	MEP
\$931,018	GC/Allowance/Escalation
\$2,575,346	Construction Costs
\$589,208	Development Costs
\$3,164,554	Estimated Project Costs

FCI :

10% or less is considered Excellent

11%-20% is Good

21%-40% is Fair

41%-59% is Below Average

60% or more is considered Poor

FCI - 16%

Facility Condition Index (FCI) = $\frac{\text{Estimated cost of the facility needs}}{\text{Estimated current Replacement cost}}$

Secondary Reassignment Center (Wheeler)

1952

314

Year Built: 1952

Building Additions:

Classroom remodel 2015

Approx. SF: 47,994

Approx. Site Acreage: 0 (Schulze)



Secondary Reassignment Center (Wheeler)

ARCHITECTURAL - EXTERIOR

- Repair soffits on canopies
- General clean and repair exterior throughout.
- Repair downspouts.
- Replace operable windows.

ARCHITECTURAL - INTERIOR

- Renovate all restroom facilities for ADA-compliance.
- Finishes are in very poor shape - Replace flooring, doors, ceilings and repaint walls.
- Old cafeteria and kitchen area is not useful space.

ROOFING

- Most roof areas are under warranty with a few areas needed for replacement.

CIVIL

- Tie roof drains to underground storm system, regrade to route drainage³¹⁵ away from building.
- Replace sidewalks that are uneven and no longer ADA-complaint at front entry.
- Replace playground surface.

MECHANICAL ELECTRICAL PLUMBING

- All HVAC systems are at end of useful life and need complete replacement including ductwork.

Secondary Reassignment Center (Wheeler)

316

FACILITIES ASSESSMENT	
\$335,958	Demolition
\$328,759	Site
\$1,818,973	Building
\$592,726	Exterior
\$1,094,263	Interior
\$62,392	Specialties
\$2,414,098	MEP
\$3,763,627	GC/Allowance/Escalation
\$10,410,796	Construction Costs
\$1,304,515	Development Costs
\$11,715,311	Estimated Project Costs

FCI :

10% or less is considered Excellent

11%-20% is Good

21%-40% is Fair

41%-59% is Below Average

60% or more is considered Poor

FCI - 31%

Facility Condition Index (FCI) = $\frac{\text{Estimated cost of the facility needs}}{\text{Estimated current Replacement cost}}$

Special Education Annex

1945

Year Built: 1945

Building Additions: Classroom
Addition 2010

Approx. SF: 19,875 SF

Approx. Site Acreage: 8.15



Special Education Annex

ARCHITECTURAL - EXTERIOR

- Replace windows & doors throughout.
- Replace canopies and damaged metal wall panel.
- Remove brick screen wall.

ARCHITECTURAL - INTERIOR

- The facility's finishes, doors and restrooms are beyond their useful life and need complete replacement.
- Rooms along the northwest corner do not have compliant floor slope and are not usable.

ROOFING

- Main building roof is currently under warranty, all metal roof areas need replacement.

CIVIL

- Replace sidewalks that are uneven and no longer ADA-complaint at main entry.³¹⁸
- Repaint of site accessories, parking and fire lane striping.
- Establish sod to prevent erosion.
- Replace asphalt paving with concrete.

MECHANICAL ELECTRICAL PLUMBING

- All systems are at end of useful life and need complete replacement.

Special Education Annex

FACILITIES ASSESSMENT	
\$216,638	Demolition
\$727,425	Site
\$1,089,150	Building
\$740,344	Exterior
\$718,481	Interior
\$14,906	Specialties
\$1,414,106	MEP
\$2,513,329	GC/Allowance/Escalation
\$7,434,289	Construction Costs
\$1,155,012	Development Costs
\$8,589,302	Estimated Project Costs

FCI :

10% or less is considered Excellent

11%-20% is Good

21%-40% is Fair

41%-59% is Below Average

60% or more is considered Poor

FCI - 83%

Facility Condition Index (FCI) = $\frac{\text{Estimated cost of the facility needs}}{\text{Estimated current Replacement cost}}$

2000

320

Transportation Center

Year Built: 2000

Building Additions: Parking Addition
2010

Approx. SF: 4,194 SF

Approx. Site Acreage: 0.30



Transportation Center

ARCHITECTURAL - EXTERIOR

- Replace wood soffits.
- The bus barn building is beyond its useful life and should be replaced.

ARCHITECTURAL - INTERIOR

- Renovate all restroom facilities for ADA-compliance.
- Finishes are in very poor shape – Replace VCT and carpet flooring, doors, ceilings and repaint walls.
- Replace or remove accordion partition wall.

ROOFING

- Transportation building roof is in good condition. The bus barn roof is beyond its useful life.

CIVIL

- Tie roof drains to underground storm system, regrade to route drainage away from building.
- Replace sidewalks that are uneven and no longer ADA-complaint at front entry.
- Replace asphalt paving with concrete.
- Restripe all parking spaces, drives and fire lanes.

MECHANICAL ELECTRICAL PLUMBING

- All HVAC systems are at end of useful life and need complete replacement including ductwork.

Transportation Center

FACILITIES ASSESSMENT	
\$65,636	Demolition
\$120,997	Site
\$14,050	Building
\$59,135	Exterior
\$85,138	Interior
\$5,033	Specialties
\$280,369	MEP
\$356,909	GC/Allowance/Escalation
\$987,267	Construction Costs
\$321,351	Development Costs
\$1,308,618	Estimated Project Costs

Alt. Bus Barn Metal Building Replacement	
18,000 SF	New Metal Building Bus Barn
\$6,200,000	Estimated Bud Barn Costs
\$7,508,618	Estimated Project Costs

322

FCI :

10% or less is considered Excellent

11%-20% is Good

21%-40% is Fair

41%-59% is Below Average

60% or more is considered Poor

FCI - 75%
with Bus Barn
Replacement

Facility Condition Index (FCI) = $\frac{\text{Estimated cost of the facility needs}}{\text{Estimated current Replacement cost}}$

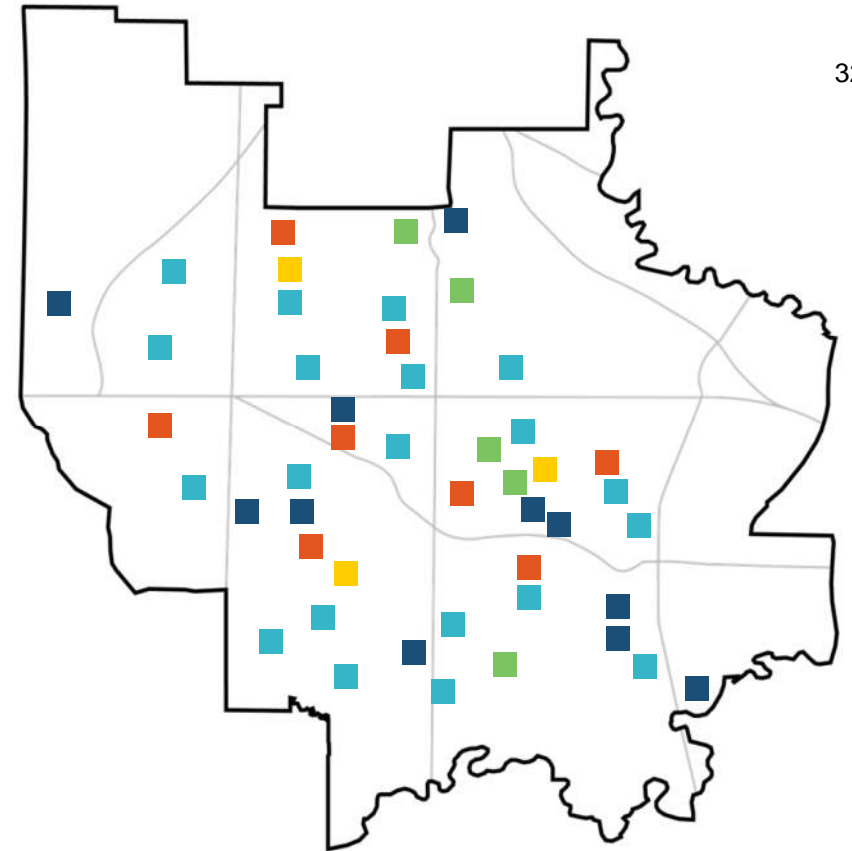
Estimated Replacement Costs

Replacement Early Childhood Center	
37,110 SF	Based on Kinkeade ECC
\$22,191,678	Estimated Project Costs

Replacement Elementary School	
104,000 SF	Based on Townsell Elementary
\$53,762,438	Estimated Project Costs

Replacement Middle School	
152,000 SF	Based on Johnson Middle School
\$77,404,385	Estimated Project Costs

Replacement High School	
408,000 SF	Based on Avg SF of all 3 HS
\$214,796,070	Estimated Project Costs



Overall Assessment Cost Summary

	Bldg. Age	Original Building Year constructed	Square Footage	Total Assessment Est Cost		Bldg. Age	Original Building Year constructed	Square Footage	Total Assessment Est Cost
Clifton EC School	23	1999	37,110	\$7,443,199	Austin Middle School	46	1976	151,916	\$18,244,520
Kinkeade EC School	22	2000	37,110	\$7,665,169	Bowie Middle School	75	1947	195,632	\$24,328,117
Pierce EC School	23	1999	37,110	\$7,844,700	Crockett Middle School	66	1956	149,522	\$24,881,445
Barton Elementary	67	1955	82,266	\$14,940,372	De Zavala Middle School	21	2001	152,866	\$17,349,616
Brandenburg Elementary	30	1992	83,600	\$13,129,808	Houston Middle School	46	1976	197,737	\$19,858,043
Britain Elementary	75	1947	108,308	\$18,548,640	Johnson Middle School	11	2011	151,693	\$11,249,305
Brown Elementary	66	1956	95,425	\$18,476,331	Lamar Middle School	50	1972	155,035	\$27,298,442
Davis Elementary	54	1968	96,376	\$18,758,596	Travis Middle School	58	1964	173,611	\$25,259,644
Elliott Elementary	54	1968	89,714	\$14,510,401	Irving High School	63	1959	428,297	\$92,038,092
Farine Elementary	67	1955	86,030	\$17,858,672	MacArthur High School	59	1963	379,583	\$52,060,248
Gilbert Elementary	26	1996	93,492	\$13,623,251	Nimitz High School	56	1966	415,881	\$86,628,906
Good Elementary	63	1959	88,325	\$16,899,766	Singley Academy	21	2001	268,735	\$25,828,554
Hanes Elementary	54	1968	110,006	\$18,731,407	Barbara Cardwell Center	32	1990	57,786	\$7,401,542
John Haley Elementary	70	1952	86,659	\$19,805,255	Admin Annex	52	1970	13,348	\$1,687,923
Johnston Elementary	58	1964	89,142	\$19,963,025	Administration Building	19	2003	89,245	\$4,271,399
Keyes Elementary	68	1954	92,321	\$17,507,602	Ellis Stadium	70	1952	30,735	\$5,665,392
Lee Elementary	63	1959	97,068	\$18,576,335	Food Services Center	28	1994	8,000	\$3,844,871
Lively Elementary	68	1954	92,018	\$20,963,429	Hands On Learning (DW Gilbert)	59	1963	13,437	\$6,051,341
Schulze Elementary	33	1989	93,831	\$17,196,301	Outdoor Learning Center	6	2016	4200	\$396,055
Stipes Elementary	16	2006	98,200	\$8,216,915	Ratteree CDC	22	2000	37,118	\$3,164,554
Thomas Haley Elementary	63	1959	89,938	\$15,308,742	Secondary Reassignment Center	70	1952	47,994	\$7,711,066
Townley Elementary	44	1978	91,354	\$15,445,753	Service Center	27	1995	66,147	\$6,996,948
Townsell Elementary	19	2003	104,120	\$9,685,067	SPED Annex	77	1945	19,875	\$8,589,302
					Transportation Center	22	2000	19,187	\$7,508,618
								5,207,103	\$839,412,679

Cost summary does not include alternate costs except for the bus barn replacement

**RECEIVE PRESENTATION ON IRVING INDEPENDENT SCHOOL DISTRICT ATTENDANCE
BOUNDARY PROPOSAL:**

Submitted By: Dr. Dorian Galindo, Chief of Staff, Roy Zamora, Director of Planning, Evaluation, and Research

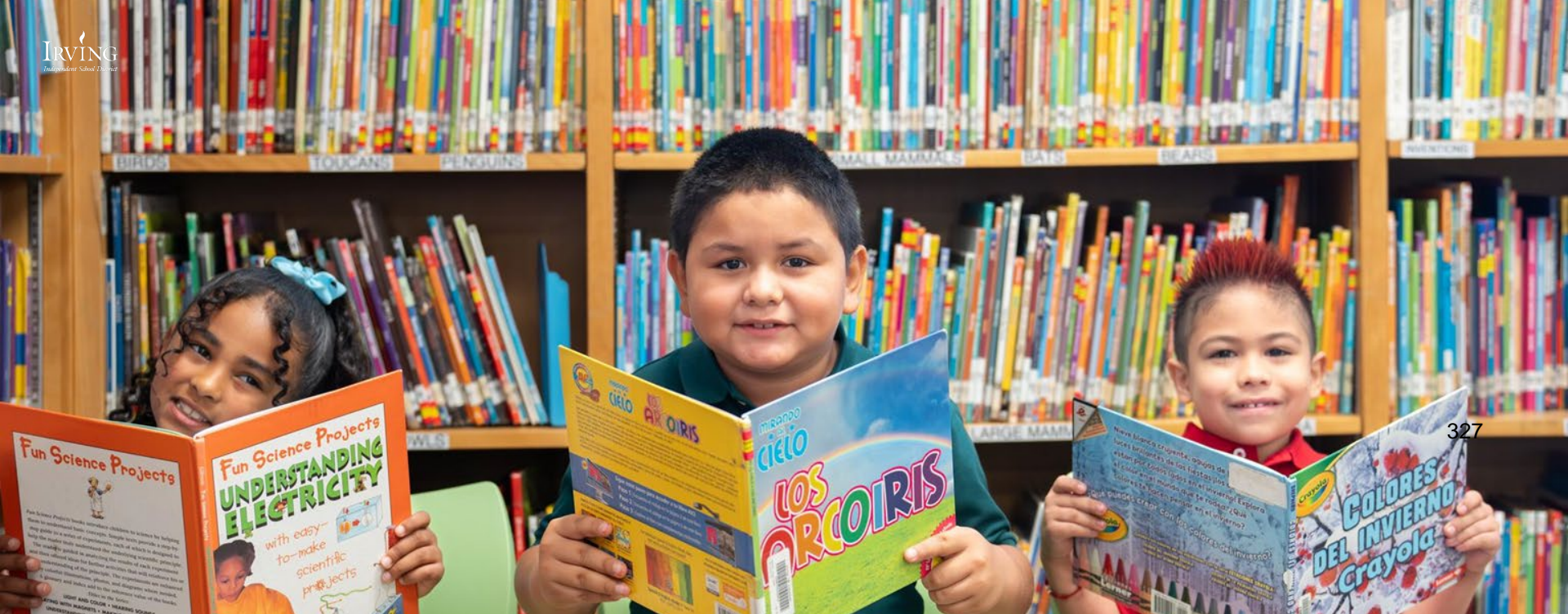
Summary: A presentation will be provided to the Board to present the proposal regarding the possible changes to attendance boundaries at the elementary and middle school level. The district is seeking approval from the board to move forward in presenting the proposal to the community and stakeholders for feedback. The district is scheduled to hold Town Hall meetings next month.

Attached: District Attendance Boundary Proposals: Approval for Consideration



IRVING

INDEPENDENT SCHOOL DISTRICT



District Attendance Boundary Proposals

Dr. Dorian Galindo, Chief of Staff
Mr. Roy Zamora, Director of Planning, Evaluation, and Research

October 23, 2023

Exhibit IV-C



Background Information:

- **Middle Schools:**
 - Extensive middle school boundary changes have not occurred since 2011 when Lady Bird Johnson opened in that fall
 - All 7 other middle school campuses were impacted by the 2011 boundary changes by rebalancing efforts³²⁸
- **Elementary Schools:**
 - 11 elementary schools were impacted by the boundary changes made in 2011 to meet enrollment considerations and minimize split zones as best as possible
- The location of the campuses and their capacities make a district wide feeder pattern challenging to accomplish

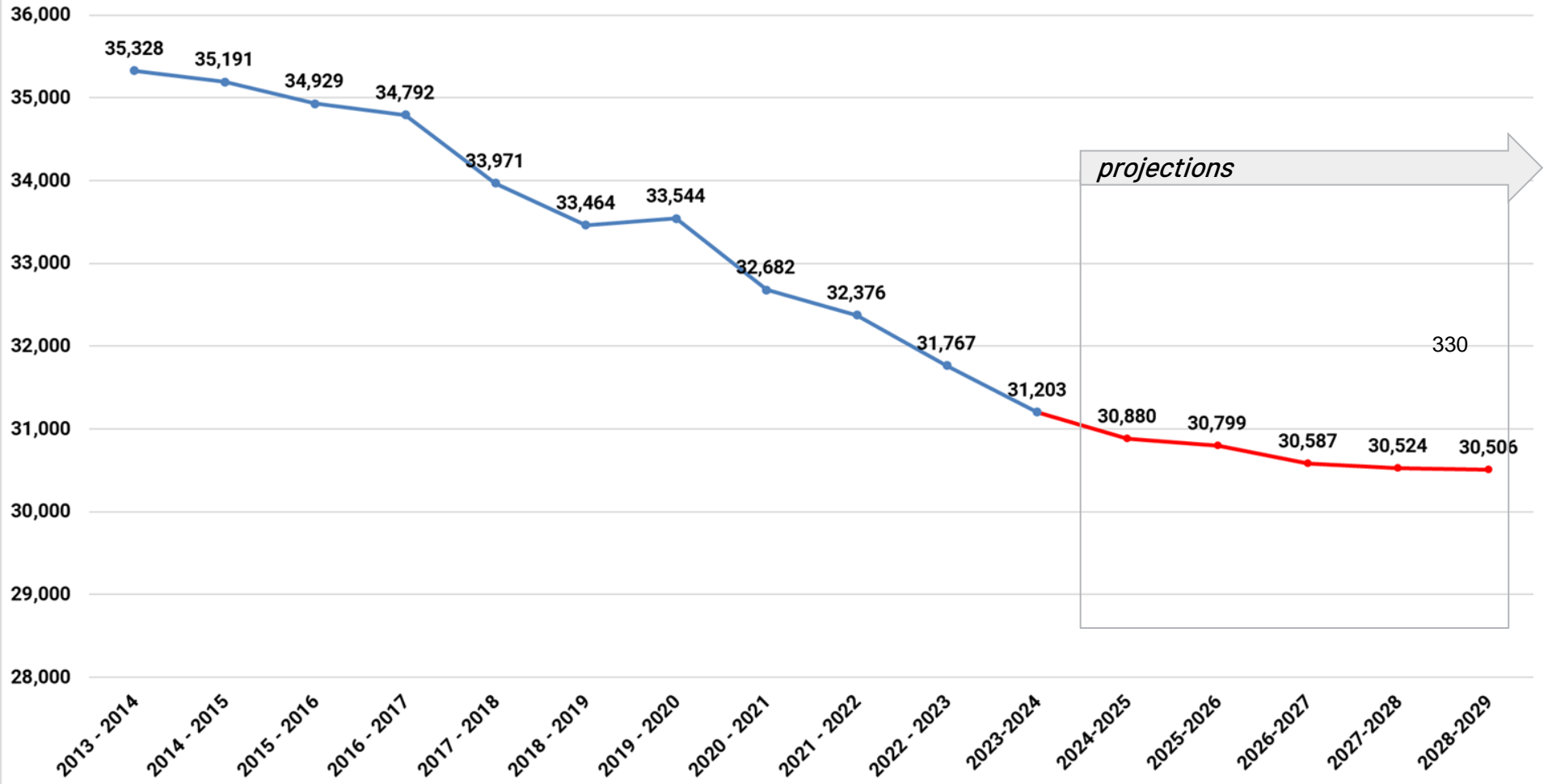


A Review of Guiding Factors in Boundary Change Decisions:

- **Enrollment balance**
- **Financial impact/responsibility**
- **Communities and feeder patterns**
- **Balance over/under capacity (classroom and campus)**
- **Special program placement and enrollment**

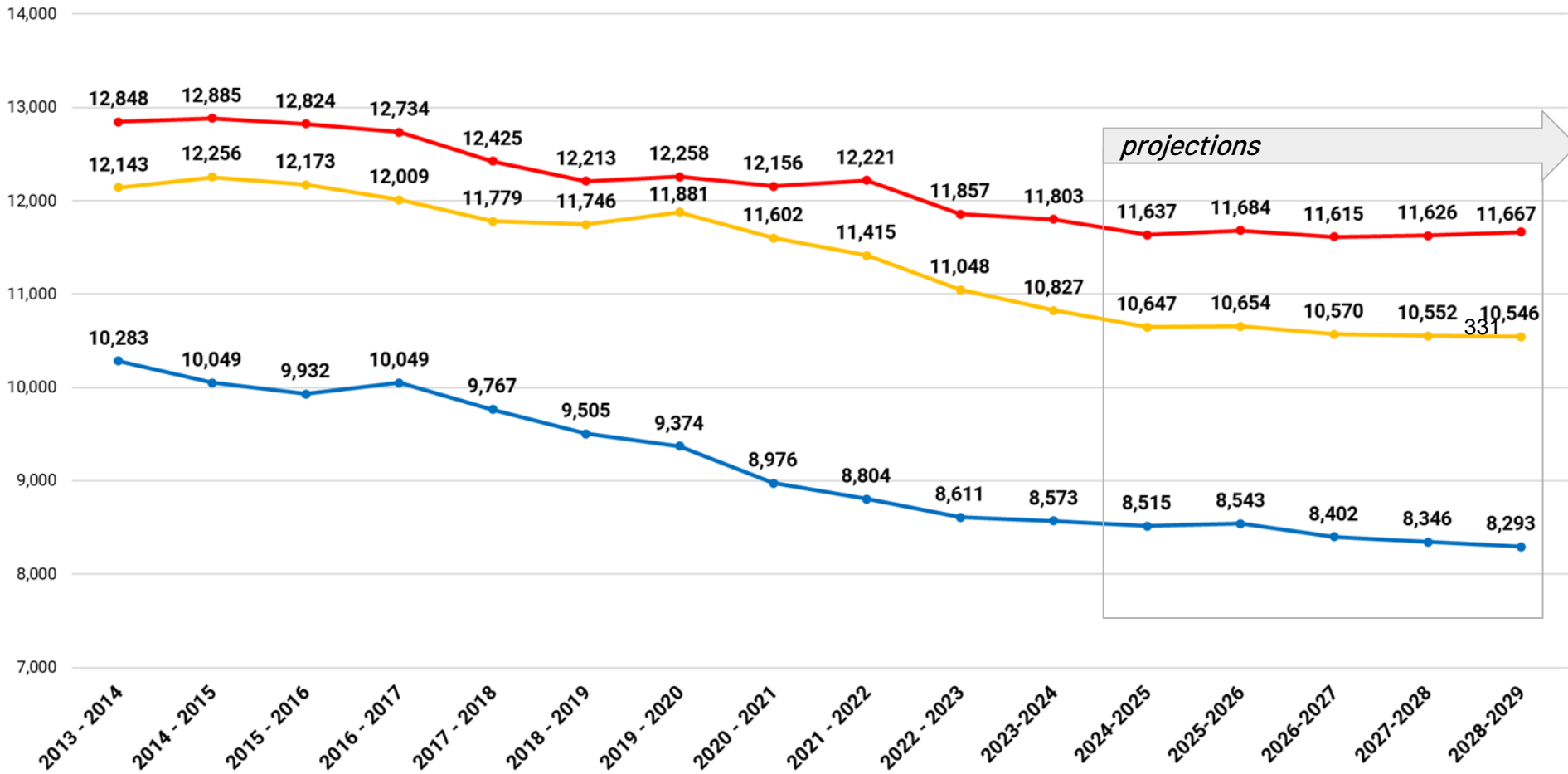
329

Historical and Future Enrollment Projections



Historical and Future Enrollment Projections by High School Feeder

MacArthur HS Feeder Irving HS Feeder Nimitz HS Feeder



San Antonio closure of 19

This represents about 20%



Share this story with a friend:



The San Antonio ISD Central Office

San Antonio ISD is considering closing 19 schools. District officials say the decision is based on the educational experience of

The full plan consists of school closures. The plan is set to be approved by the board on Nov. 13.

Fort Worth ISD moves forward on closing schools amid enrollment decline



by Jacob Sanchez
September 27, 2023 5:56 pm



Fort Worth ISD Superintendent Angelica Ramsey talks to students AMonii Anderson, left, and Justice Collins, right, on Aug. 14 at T.A. Sims Elementary School. Ramsey visited the elementary school on its first day of classes for the 2023-24 school year. (Cristian ArquetaSoto | Fort Worth Report)

Trustee Wallace Bridges knows difficult conversations are ahead for Fort Worth ISD as administrators determine which schools need to close.

Search ...



schools is

closing
enrollment

332

History

0



The Impact of “Choice”

- **Parents have choices about where they send their kids to school.**
 - They can choose among neighborhood schools, request a transfer to another public school in or outside of their district, a charter school, a private school, online school, or homeschooling.
 - These many school choice options have begun to drain resources from public school campuses that are required to accept all students.
- **Student enrollment losses, teacher shortages, and the lack of current state legislative support to adequately fund public school districts are the main contributors for districts to:**
 - make the difficult decisions to secure the financial well-being of the district; and
 - ensure high quality educational experiences of currently enrolled students.

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Changing School Boundaries - Why Now?

- **Address underutilization and balance enrollment**
- **With declining enrollment and other factors, the opportunity presents itself to address the misaligned feeder patterns in certain areas across the district**
- **Aligning feeder patterns will strengthen the district's ability to provide academic program³³⁴ continuity for:**
 - **student cohorts**
 - **build community**
 - **proactively anticipate future needs**



Advantages to School Consolidation:

- **Improved resource allocation** (*ameliorate the impact of teacher shortages*)
- **Enhanced educational quality**
- **Infrastructure improvement**
- **Increase/Improve educational opportunities and program offerings**
- **Improve stronger support services**
- **Enhance community resources**
- **Fiscal sustainability**

335



% of Total Functional Capacity Utilization

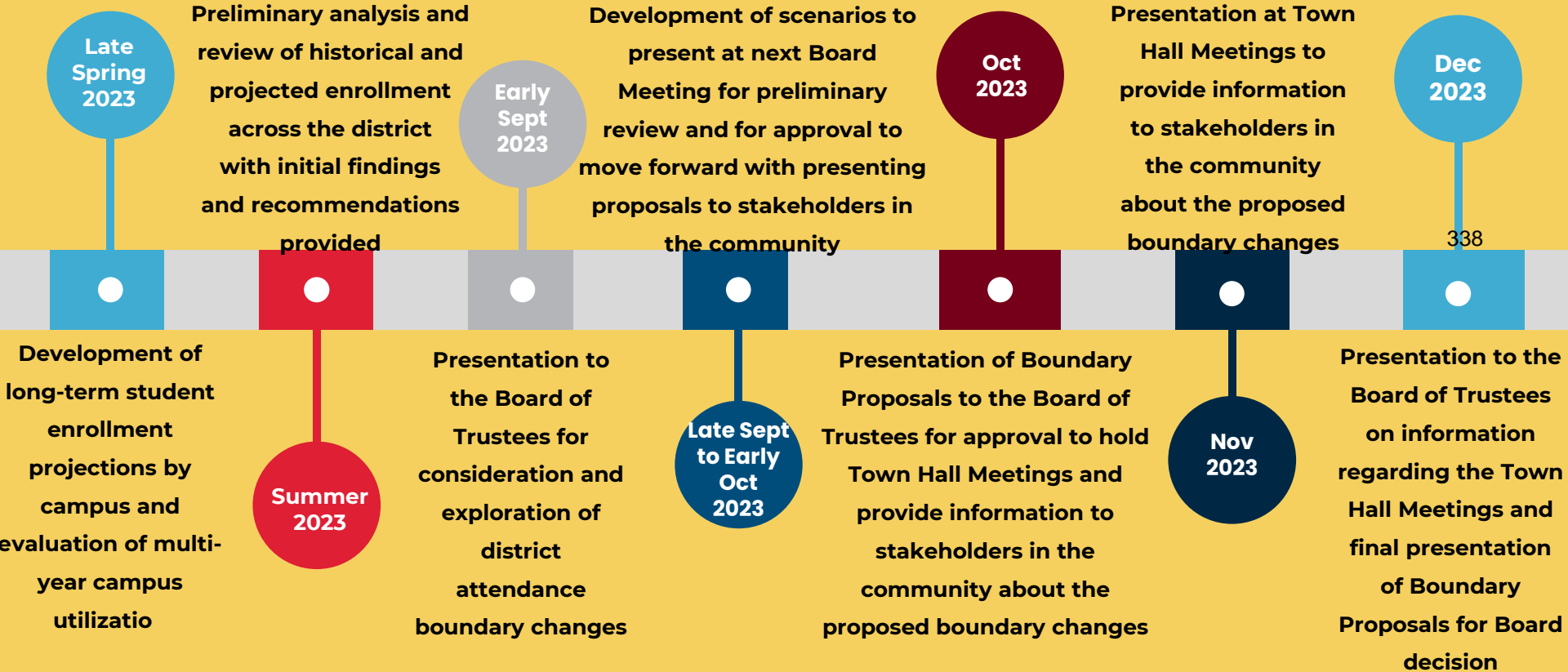
(Based on Current Enrollment and Long Term Projections)

HS Feeder	LVL	N or S 183	Campus Name	2022 - 2023		2023-2024		2024-2025		2025-2026		2026-2027		2027-2028		2028-2029	
Irving HS	HS	N	Cardwell Career Prep Ct	<div style="width: 52%;"></div>	52%	<div style="width: 41%;"></div>	41%	<div style="width: 41%;"></div>	41%	<div style="width: 39%;"></div>	39%	<div style="width: 37%;"></div>	37%	<div style="width: 35%;"></div>	35%	<div style="width: 32%;"></div>	32%
	ES	S	Keyes Elementary	<div style="width: 60%;"></div>	60%	<div style="width: 59%;"></div>	59%	<div style="width: 55%;"></div>	55%	<div style="width: 53%;"></div>	53%	<div style="width: 52%;"></div>	52%	<div style="width: 51%;"></div>	51%	<div style="width: 51%;"></div>	51%
	EC	S	Pierce EC School	<div style="width: 60%;"></div>	60%	<div style="width: 54%;"></div>	54%	<div style="width: 60%;"></div>	60%	<div style="width: 60%;"></div>	60%	<div style="width: 62%;"></div>	62%	<div style="width: 63%;"></div>	63%	<div style="width: 64%;"></div>	64%
	ES	S	Good Elementary	<div style="width: 64%;"></div>	64%	<div style="width: 65%;"></div>	65%	<div style="width: 60%;"></div>	60%	<div style="width: 58%;"></div>	58%	<div style="width: 56%;"></div>	56%	<div style="width: 55%;"></div>	55%	<div style="width: 54%;"></div>	54%
	ES	S	Gilbert Elementary	<div style="width: 64%;"></div>	64%	<div style="width: 63%;"></div>	63%	<div style="width: 60%;"></div>	60%	<div style="width: 59%;"></div>	59%	<div style="width: 57%;"></div>	57%	<div style="width: 57%;"></div>	57%	<div style="width: 57%;"></div>	57%
	MS	S	Austin Middle School	<div style="width: 64%;"></div>	64%	<div style="width: 59%;"></div>	59%	<div style="width: 60%;"></div>	60%	<div style="width: 61%;"></div>	61%	<div style="width: 60%;"></div>	60%	<div style="width: 59%;"></div>	59%	<div style="width: 59%;"></div>	59%
	ES	S	Lively Elementary	<div style="width: 70%;"></div>	70%	<div style="width: 67%;"></div>	67%	<div style="width: 65%;"></div>	65%	<div style="width: 63%;"></div>	63%	<div style="width: 62%;"></div>	62%	<div style="width: 61%;"></div>	61%	<div style="width: 60%;"></div>	60%
	MS	N	Johnson Middle School	<div style="width: 71%;"></div>	71%	<div style="width: 67%;"></div>	67%	<div style="width: 65%;"></div>	65%	<div style="width: 65%;"></div>	65%	<div style="width: 64%;"></div>	64%	<div style="width: 63%;"></div>	63%	<div style="width: 62%;"></div>	62%
	MS	S	Crockett Middle School	<div style="width: 73%;"></div>	73%	<div style="width: 67%;"></div>	67%	<div style="width: 64%;"></div>	64%	<div style="width: 66%;"></div>	66%	<div style="width: 66%;"></div>	66%	<div style="width: 66%;"></div>	66%	<div style="width: 66%;"></div>	66%
	ES	S	Davis Elementary	<div style="width: 80%;"></div>	80%	<div style="width: 79%;"></div>	79%	<div style="width: 76%;"></div>	76%	<div style="width: 75%;"></div>	75%	<div style="width: 74%;"></div>	74%	<div style="width: 74%;"></div>	74%	<div style="width: 74%;"></div>	74%
	MS	S	De Zavala Middle School	<div style="width: 87%;"></div>	87%	<div style="width: 86%;"></div>	86%	<div style="width: 82%;"></div>	82%	<div style="width: 84%;"></div>	84%	<div style="width: 84%;"></div>	84%	<div style="width: 85%;"></div>	85%	<div style="width: 86%;"></div>	86%
	HS	S	Irving High School	<div style="width: 88%;"></div>	88%	<div style="width: 93%;"></div>	93%	<div style="width: 97%;"></div>	97%	<div style="width: 98%;"></div>	98%	<div style="width: 98%;"></div>	98%	<div style="width: 99%;"></div>	99%	<div style="width: 100%;"></div>	100%
ES	N	Barton Elementary	<div style="width: 93%;"></div>	93%	<div style="width: 94%;"></div>	94%	<div style="width: 90%;"></div>	90%	<div style="width: 90%;"></div>	90%	<div style="width: 90%;"></div>	90%	<div style="width: 91%;"></div>	91%	<div style="width: 92%;"></div>	92%	
MacArthur HS	MS	S	Houston Middle School	<div style="width: 58%;"></div>	58%	<div style="width: 54%;"></div>	54%	<div style="width: 56%;"></div>	56%	<div style="width: 57%;"></div>	57%	<div style="width: 57%;"></div>	57%	<div style="width: 56%;"></div>	56%	336	56%
	ES	N	Lee Elementary	<div style="width: 61%;"></div>	61%	<div style="width: 58%;"></div>	58%	<div style="width: 58%;"></div>	58%	<div style="width: 57%;"></div>	57%	<div style="width: 57%;"></div>	57%	<div style="width: 57%;"></div>	57%	<div style="width: 57%;"></div>	57%
	ES	N	Hanes Elementary	<div style="width: 70%;"></div>	70%	<div style="width: 70%;"></div>	70%	<div style="width: 65%;"></div>	65%	<div style="width: 64%;"></div>	64%	<div style="width: 63%;"></div>	63%	<div style="width: 63%;"></div>	63%	<div style="width: 63%;"></div>	63%
	ES	N	Johnston Elementary	<div style="width: 70%;"></div>	70%	<div style="width: 66%;"></div>	66%	<div style="width: 68%;"></div>	68%	<div style="width: 68%;"></div>	68%	<div style="width: 67%;"></div>	67%	<div style="width: 67%;"></div>	67%	<div style="width: 67%;"></div>	67%
	MS	N	Travis Middle School	<div style="width: 73%;"></div>	73%	<div style="width: 70%;"></div>	70%	<div style="width: 66%;"></div>	66%	<div style="width: 67%;"></div>	67%	<div style="width: 67%;"></div>	67%	<div style="width: 67%;"></div>	67%	<div style="width: 67%;"></div>	67%
	ES	N	Townsell Elementary	<div style="width: 76%;"></div>	76%	<div style="width: 75%;"></div>	75%	<div style="width: 73%;"></div>	73%	<div style="width: 73%;"></div>	73%	<div style="width: 72%;"></div>	72%	<div style="width: 72%;"></div>	72%	<div style="width: 72%;"></div>	72%
	ES	N	Thomas Haley Elementary	<div style="width: 81%;"></div>	81%	<div style="width: 78%;"></div>	78%	<div style="width: 80%;"></div>	80%	<div style="width: 79%;"></div>	79%	<div style="width: 78%;"></div>	78%	<div style="width: 79%;"></div>	79%	<div style="width: 79%;"></div>	79%
	EC	N	Clifton EC School	<div style="width: 84%;"></div>	84%	<div style="width: 86%;"></div>	86%	<div style="width: 82%;"></div>	82%	<div style="width: 83%;"></div>	83%	<div style="width: 83%;"></div>	83%	<div style="width: 88%;"></div>	88%	<div style="width: 89%;"></div>	89%
	HS	S	MacArthur High School	<div style="width: 86%;"></div>	86%	<div style="width: 88%;"></div>	88%	<div style="width: 87%;"></div>	87%	<div style="width: 87%;"></div>	87%	<div style="width: 87%;"></div>	87%	<div style="width: 86%;"></div>	86%	<div style="width: 86%;"></div>	86%
	ES	N	Brandenburg Elementary	<div style="width: 89%;"></div>	89%	<div style="width: 90%;"></div>	90%	<div style="width: 87%;"></div>	87%	<div style="width: 87%;"></div>	87%	<div style="width: 87%;"></div>	87%	<div style="width: 88%;"></div>	88%	<div style="width: 89%;"></div>	89%
	ES	N	Farine Elementary	<div style="width: 91%;"></div>	91%	<div style="width: 92%;"></div>	92%	<div style="width: 91%;"></div>	91%	<div style="width: 92%;"></div>	92%	<div style="width: 92%;"></div>	92%	<div style="width: 93%;"></div>	93%	<div style="width: 93%;"></div>	93%
HS	S	Singley Academy	<div style="width: 97%;"></div>	97%	<div style="width: 102%;"></div>	102%	<div style="width: 102%;"></div>	102%	<div style="width: 100%;"></div>	100%	<div style="width: 100%;"></div>	100%	<div style="width: 99%;"></div>	99%	<div style="width: 99%;"></div>	99%	
Nimitz HS	ES	S	Elliott Elementary	<div style="width: 48%;"></div>	48%	<div style="width: 47%;"></div>	47%	<div style="width: 46%;"></div>	46%	<div style="width: 44%;"></div>	44%	<div style="width: 42%;"></div>	42%	<div style="width: 41%;"></div>	41%	<div style="width: 40%;"></div>	40%
	ES	S	Britain Elementary	<div style="width: 51%;"></div>	51%	<div style="width: 51%;"></div>	51%	<div style="width: 49%;"></div>	49%	<div style="width: 48%;"></div>	48%	<div style="width: 47%;"></div>	47%	<div style="width: 47%;"></div>	47%	<div style="width: 47%;"></div>	47%
	ES	S	Stipes Elementary	<div style="width: 56%;"></div>	56%	<div style="width: 56%;"></div>	56%	<div style="width: 53%;"></div>	53%	<div style="width: 51%;"></div>	51%	<div style="width: 50%;"></div>	50%	<div style="width: 49%;"></div>	49%	<div style="width: 48%;"></div>	48%
	MS	S	Lamar Middle School	<div style="width: 58%;"></div>	58%	<div style="width: 57%;"></div>	57%	<div style="width: 57%;"></div>	57%	<div style="width: 57%;"></div>	57%	<div style="width: 56%;"></div>	56%	<div style="width: 55%;"></div>	55%	<div style="width: 54%;"></div>	54%
	ES	S	Townley Elementary	<div style="width: 60%;"></div>	60%	<div style="width: 62%;"></div>	62%	<div style="width: 62%;"></div>	62%	<div style="width: 61%;"></div>	61%	<div style="width: 60%;"></div>	60%	<div style="width: 61%;"></div>	61%	<div style="width: 61%;"></div>	61%
	ES	S	John Haley Elementary	<div style="width: 62%;"></div>	62%	<div style="width: 60%;"></div>	60%	<div style="width: 60%;"></div>	60%	<div style="width: 59%;"></div>	59%	<div style="width: 58%;"></div>	58%	<div style="width: 58%;"></div>	58%	<div style="width: 58%;"></div>	58%
	EC	S	Kinkeade EC School	<div style="width: 64%;"></div>	64%	<div style="width: 64%;"></div>	64%	<div style="width: 65%;"></div>	65%	<div style="width: 69%;"></div>	69%	<div style="width: 74%;"></div>	74%	<div style="width: 74%;"></div>	74%	<div style="width: 76%;"></div>	76%
	MS	N	Bowie Middle School	<div style="width: 65%;"></div>	65%	<div style="width: 63%;"></div>	63%	<div style="width: 60%;"></div>	60%	<div style="width: 59%;"></div>	59%	<div style="width: 57%;"></div>	57%	<div style="width: 56%;"></div>	56%	<div style="width: 54%;"></div>	54%
	ES	S	Schulze Elementary	<div style="width: 65%;"></div>	65%	<div style="width: 62%;"></div>	62%	<div style="width: 60%;"></div>	60%	<div style="width: 58%;"></div>	58%	<div style="width: 57%;"></div>	57%	<div style="width: 56%;"></div>	56%	<div style="width: 55%;"></div>	55%
	ES	S	Brown Elementary	<div style="width: 68%;"></div>	68%	<div style="width: 69%;"></div>	69%	<div style="width: 68%;"></div>	68%	<div style="width: 67%;"></div>	67%	<div style="width: 65%;"></div>	65%	<div style="width: 65%;"></div>	65%	<div style="width: 64%;"></div>	64%
HS	N	Nimitz High School	<div style="width: 102%;"></div>	102%	<div style="width: 102%;"></div>	102%	<div style="width: 108%;"></div>	108%	<div style="width: 110%;"></div>	110%	<div style="width: 110%;"></div>	110%	<div style="width: 110%;"></div>	110%	<div style="width: 110%;"></div>	110%	



The Development of Proposals

Timeline of Events:

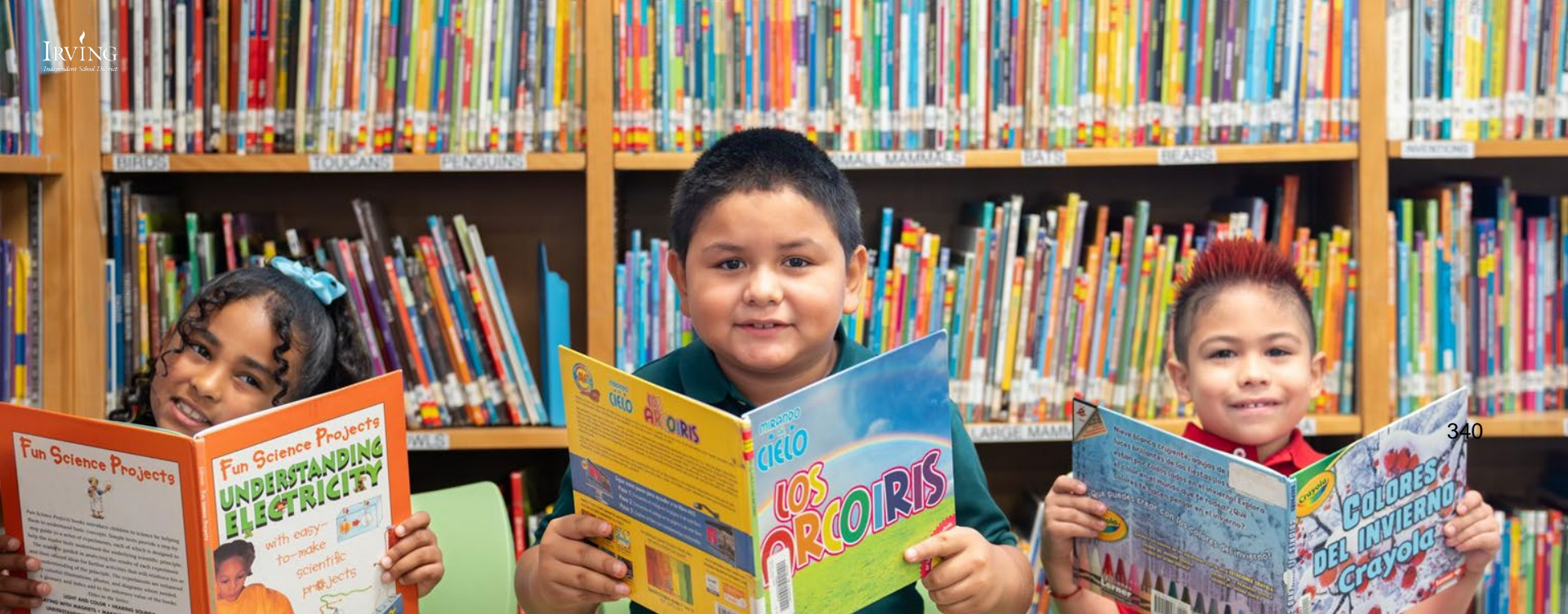




How did we get to these proposals:

- **Preliminary analysis and review of historical and projected enrollment across the district including a review of multi-year campus utilization with initial findings and recommendations provided**
- **Iterative process of developing multiple proposals based on assumptions and recommendations:**
 - **District staff initiated planning discussions to guide boundary planning work and initial scenarios were developed**
 - **Additional scenarios were developed based on additional review of capacity, campus utilization, enrollment data, and feedback**

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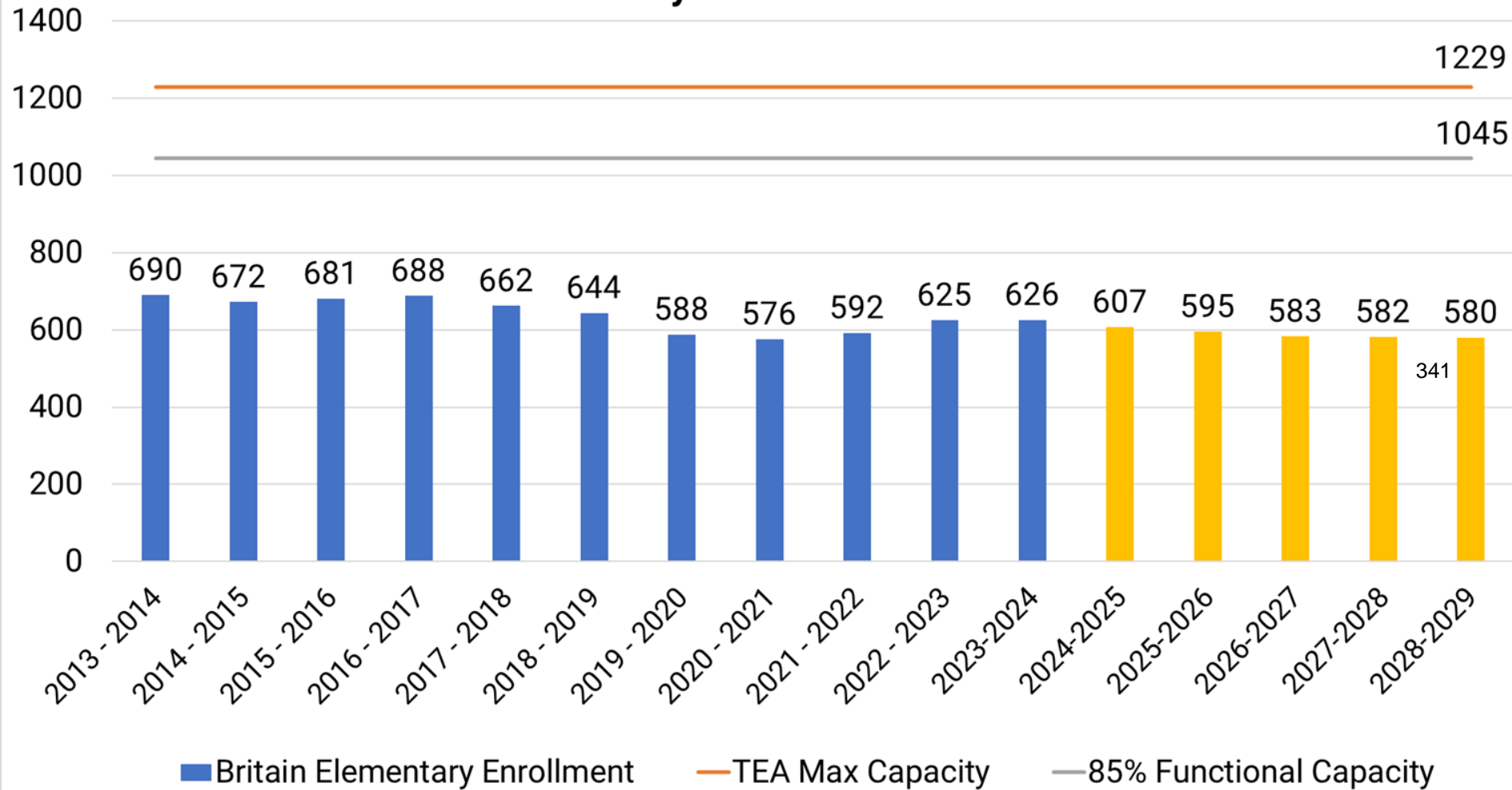


Proposed Elementary School Boundary Changes

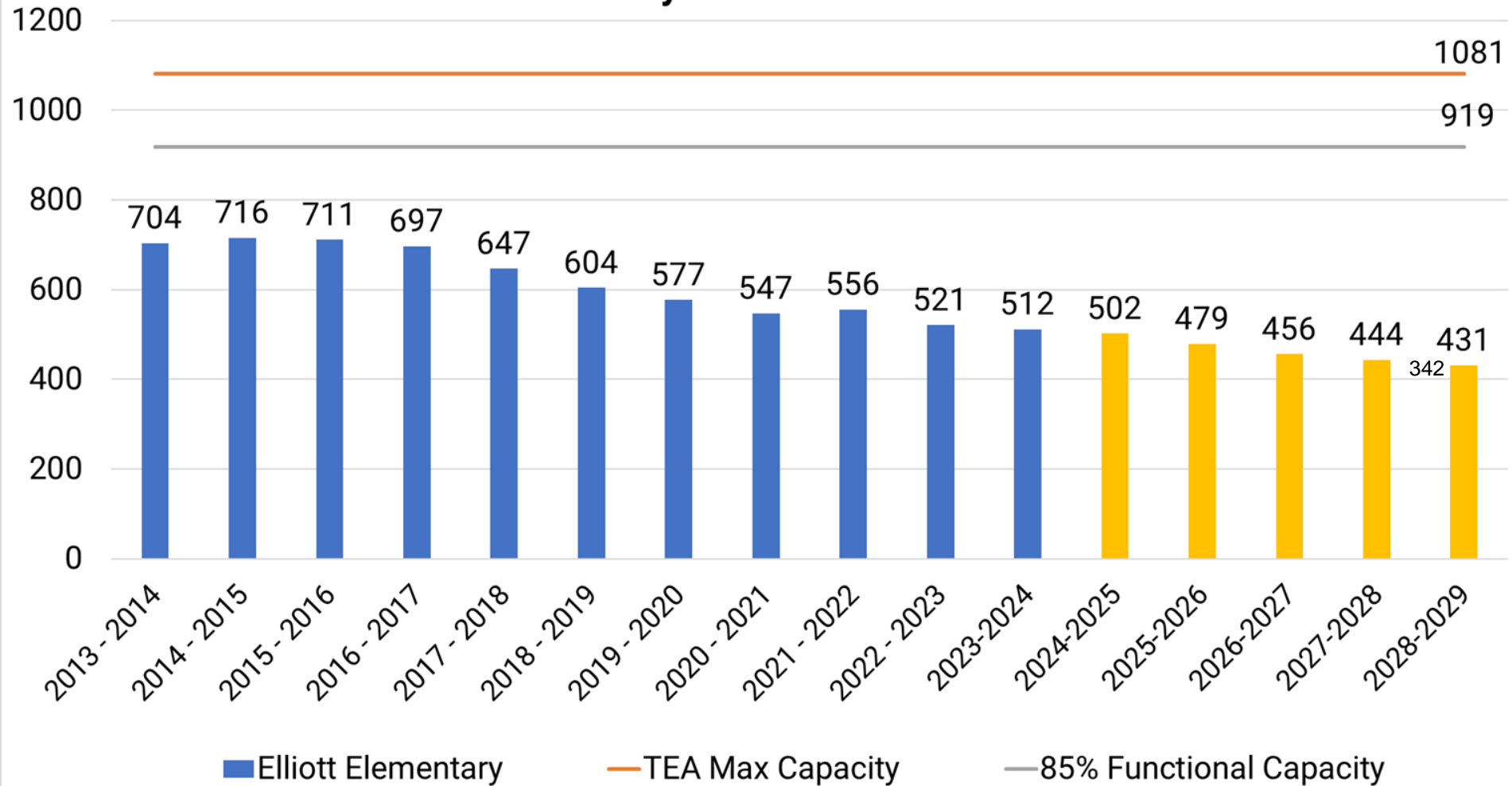
October 23, 2023

Exhibit IV-C

Britain Elementary Enrollment: 2013 to Future

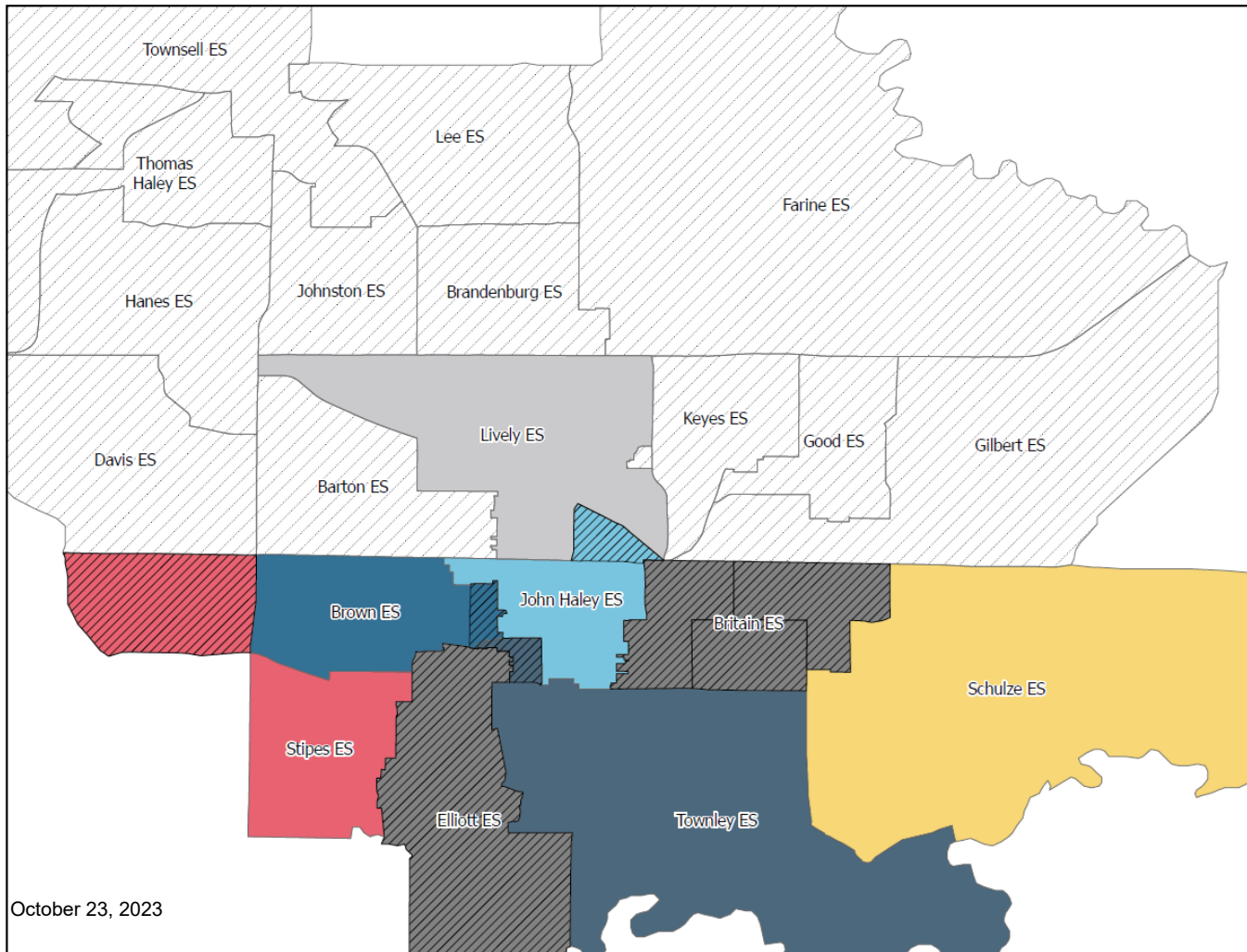


Elliott Elementary Enrollment: 2013 to Future





Elementary School Zones - Before Rezone



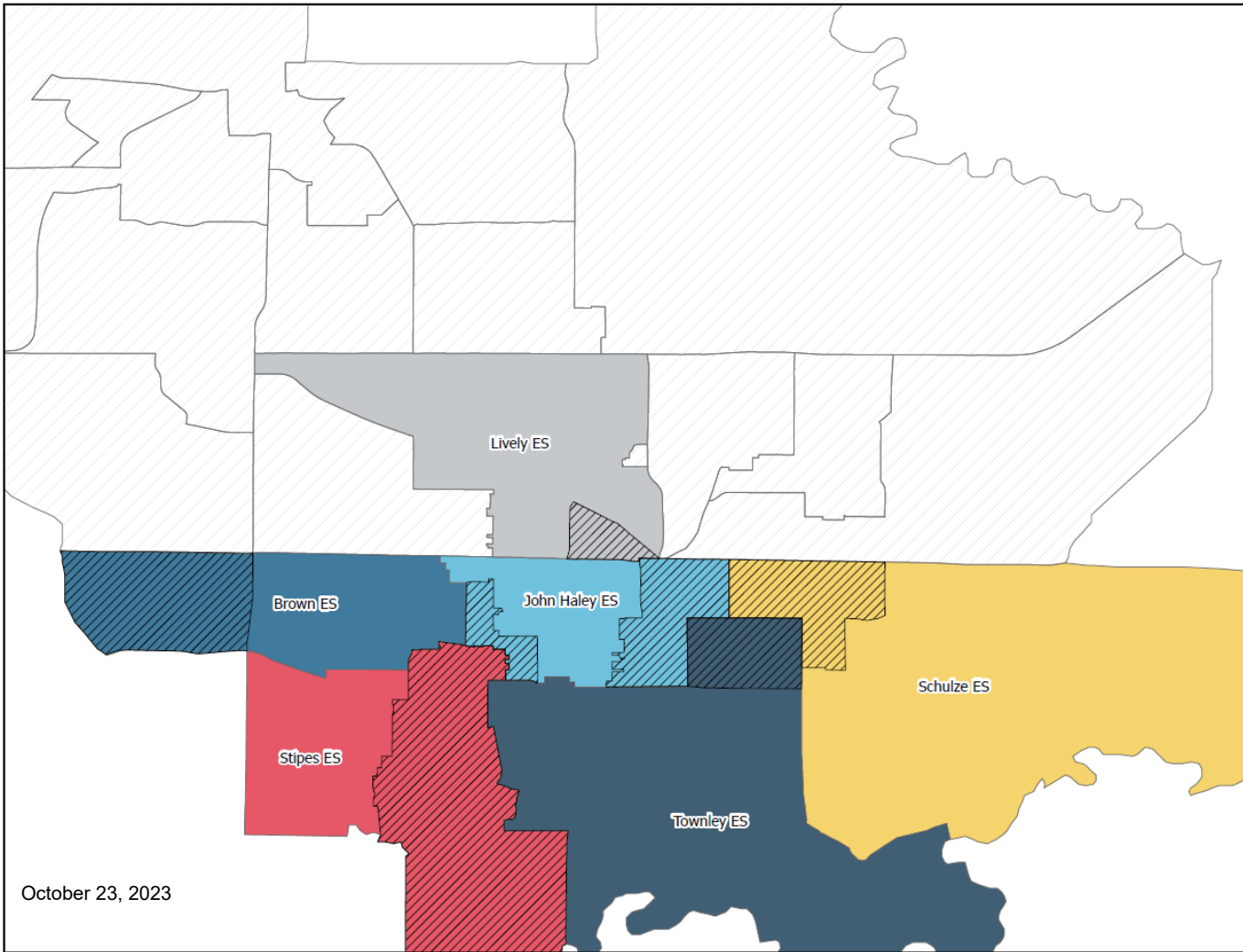
October 23, 2023

Exhibit IV-C




Elementary School Zones - After Rezone

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New Elementary Enrollment Counts After Rebalancing:

 Independent School District			
CampusName	23-24SY Current Zone Count (9/25/2023)	New EL Zone Count	Zoning Difference
Britain Elementary	621	0	-621
Brown Elementary	692	887	195
Elliott Elementary	515	0	-515
John Haley Elementary	675	840	165
Lively Elementary	760	809	49
Schulze Elementary	623	873	250
Stipes Elementary	606	850	244
Townley Elementary	674	762	88

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Recommendations for Elementary School Zone Adjustments

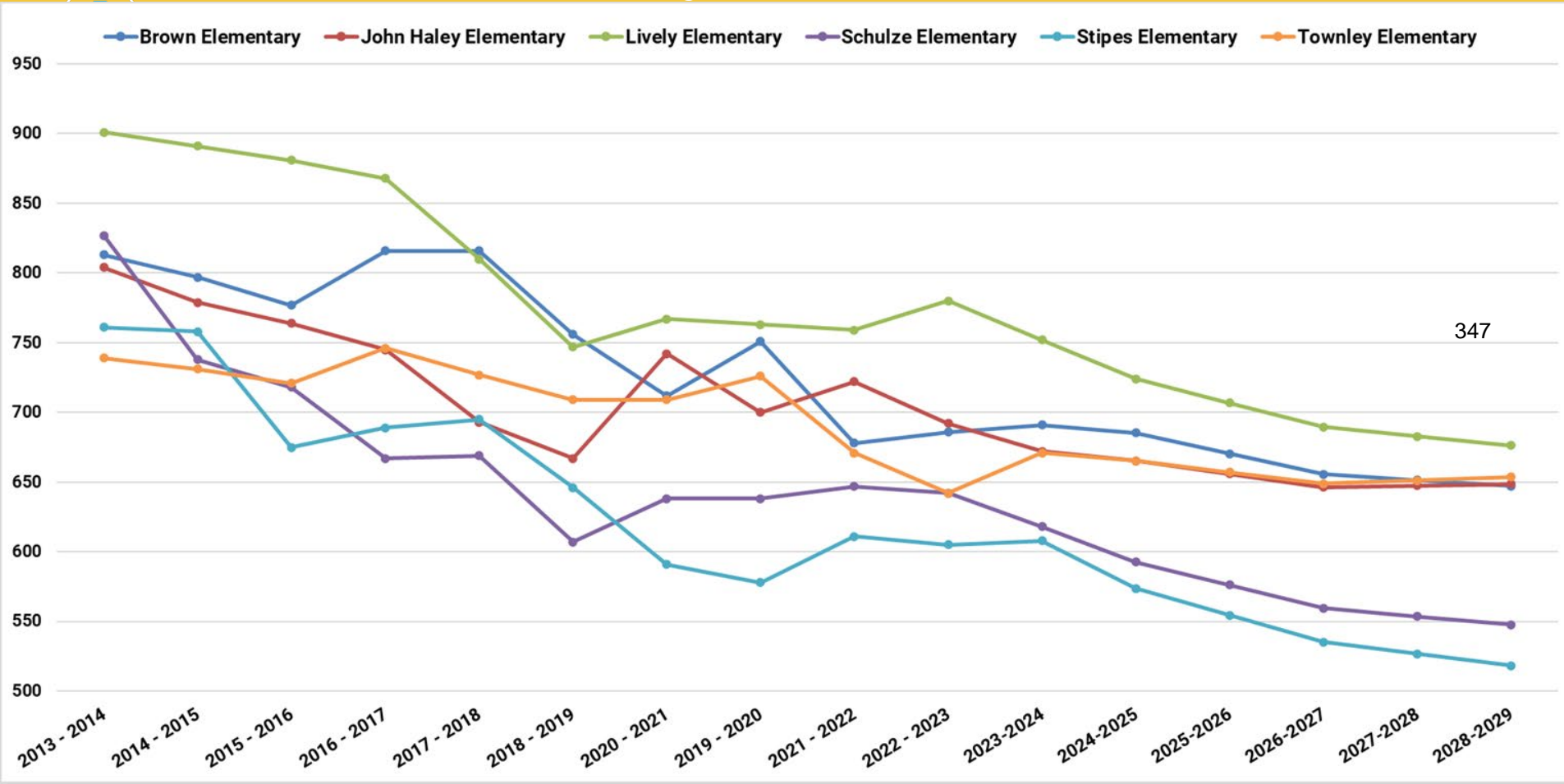
The Proposed Details:

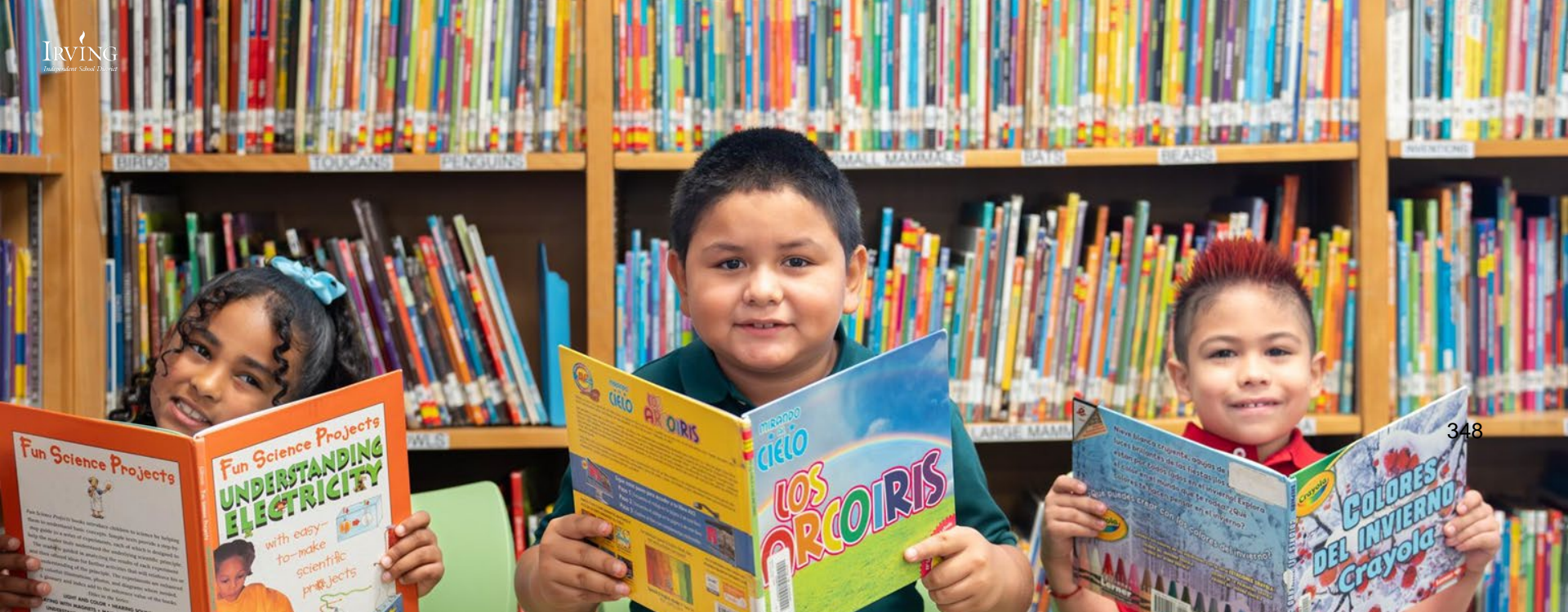
- **CLOSE** Elliott and Britain Elementary Schools:
 - **Close** Britain Elementary and rezone students into Schulze, John Haley, and Townley Elementary Schools
 - Adjust and rebalance Lively and John Haley Elementary Schools
 - **Close** Elliott Elementary School and rezone students into Stipes Elementary School
 - Reroute a portion of Stipes Elementary School students to Brown Elementary School to rebalance student enrollment

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Historical and Current Enrollment Trends of Proposed Rezoned Elementary Schools:





Proposed Middle School Boundary Changes

October 23, 2023

Exhibit IV-C



Recommendations for Middle School Zone Adjustments

Rebalancing Middle Schools for High School feeder pattern alignment.

De Zavala MS proposed as new **School of Opportunity** (Full Choice) for the following reasons:

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- Centrally located
- Has the current infrastructure for STEM program
- Builds on future conversations regarding other MS programs and establishes opportunity at the MS level similar to HS



Middle School Zones - Before Rezone

350

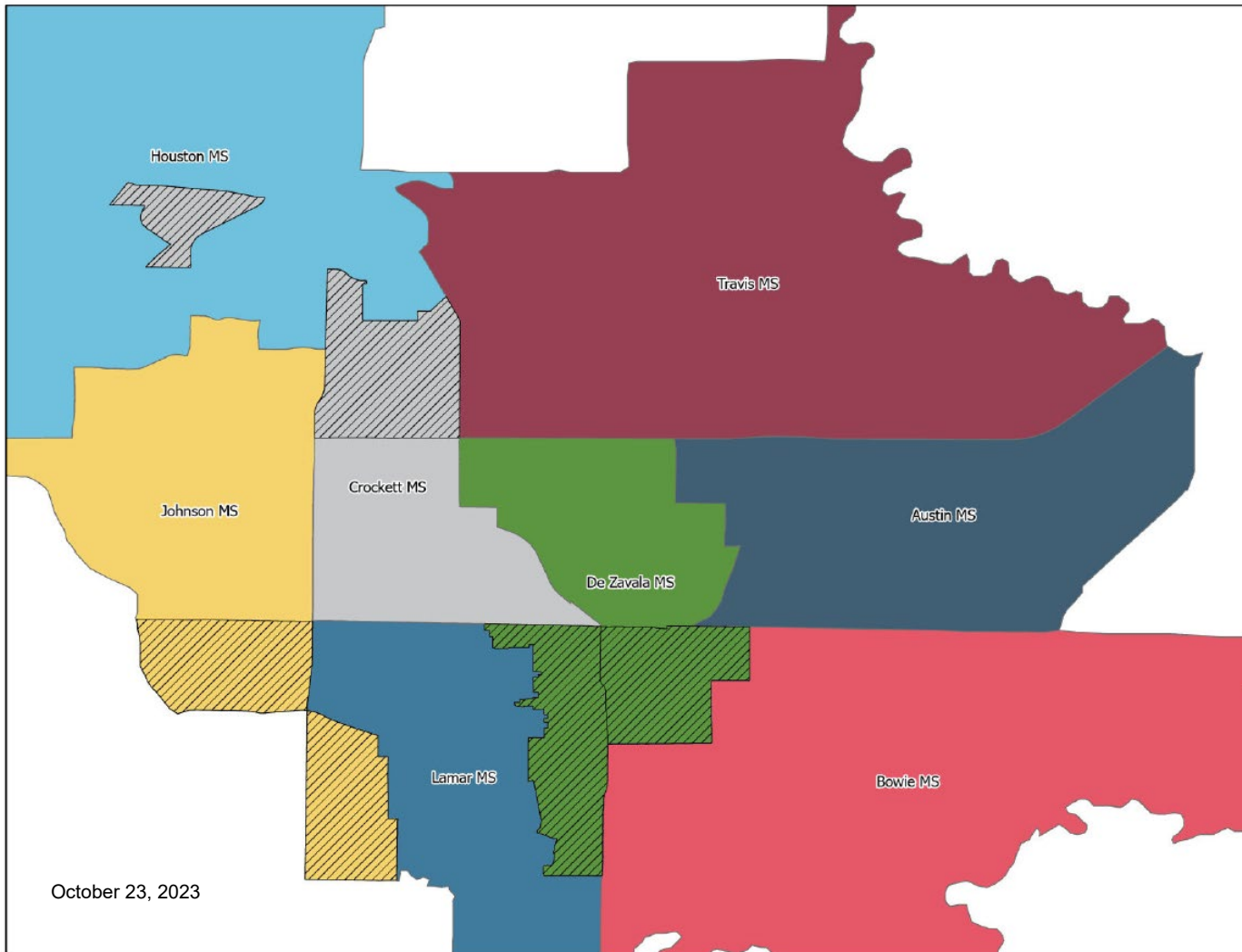
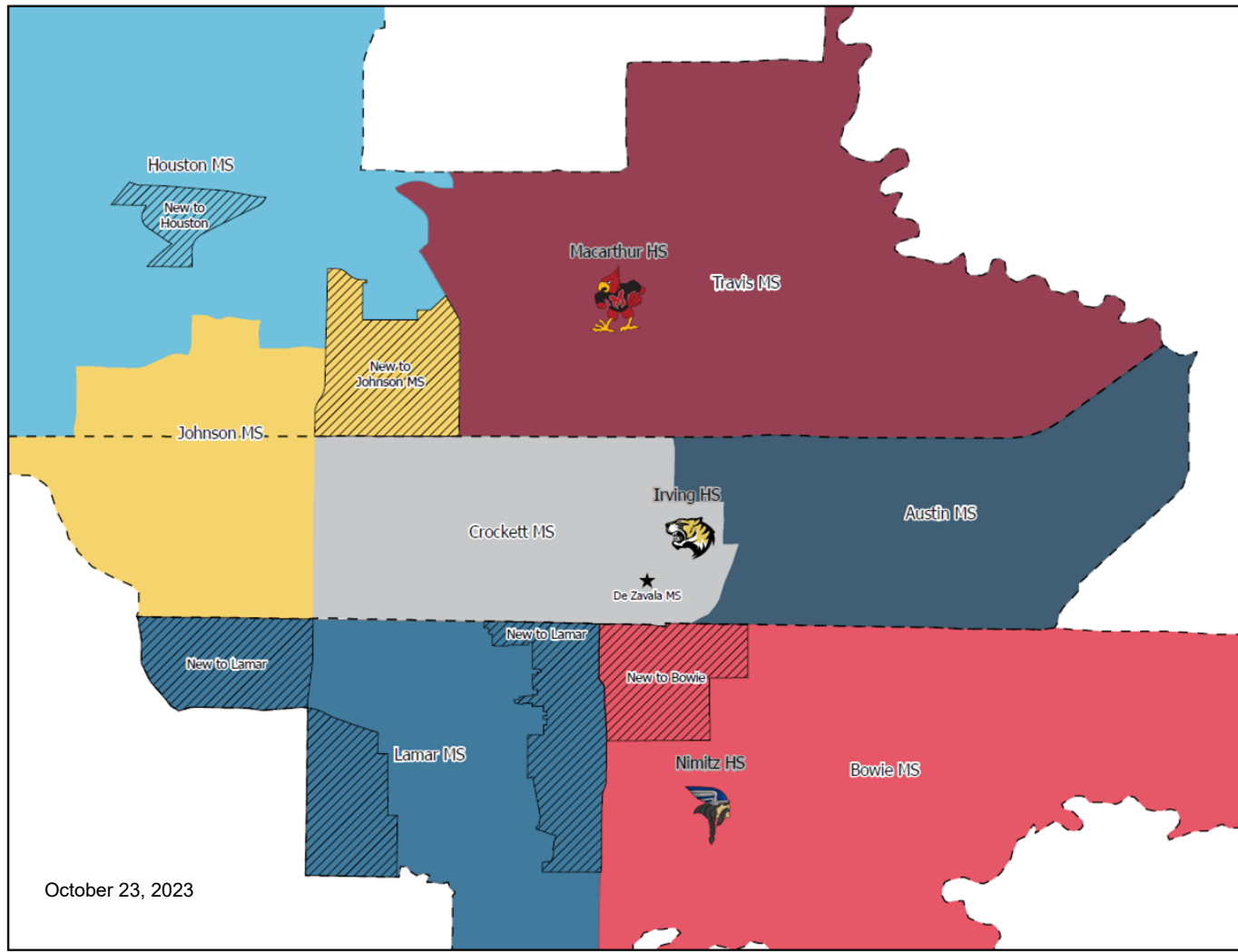


Exhibit IV-C



Middle School Zones - After Rezoning

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Logistics and Further Decision Points Proposed:

- **Implementation in Two Phases:**
 - Phase I: Elementary School Boundary Changes implemented for 2024-2025 School Year
 - Phase II: Middle School Boundary Changes implemented for 2025-2026 School Year for School Choice Application Planning and Logistics
- **Adhere to existing transfer procedures for impacted schools**
- **Transition phase/Grandfathering option for current students:**
 - ES: Students entering 5th grade of transition year, grandfather protected - all other students required to transition.
 - DZ: Students entering 6th grade must transition; 7th, 8th graders protected (transition out)
 - Follow same lottery formula for high school school choice (weighted lottery)
 - No sibling grandfathering opportunity
- **Transportation considerations:**
 - No transportation offered unless students attend their new school zones
 - Possible additional routes for students rezoned to Elliott
- **Staffing considerations and planning**
 - Enrollment projections will be developed earlier and planning in place for future discussions and staffing



Questions?

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RECEIVE PRESENTATION ON IRVING INDEPENDENT SCHOOL DISTRICT IMPROVEMENT PLAN:

Submitted By: Dr. Dorian Galindo, Chief of Staff, Dr. Amy Goudar, Data Fellow

Summary: A presentation will be provided to the Board regarding the District Improvement Plan and the planning process for the 2023-2024 school year. The district will review the major components of the district improvement plan, including performance objectives and strategies aligned with the Board goals. The Board will receive information regarding the ongoing improvement monitoring process, including the work of the District Improvement Committee.

Attached: District Improvement Plan (DIP) Update: Approval for Consideration



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IRVING

INDEPENDENT SCHOOL DISTRICT

October 23, 2023

Exhibit IV-D



District Improvement Plan (DIP) Update

Dr. Dorian Galindo, Chief of Staff
Dr. Amy Goudar, Data Fellow

October 23, 2023

Exhibit IV-D



Purpose of Presentation

- Discuss how the DIP is developed, implemented, and monitored.
- Review the primary components of the District Improvement Plan. ³⁵⁷
- Provide timelines for regular progress updates.



District Improvement Plan

- The District Improvement Plan (DIP) is a one-year plan to guide the district and campuses in the improvement of student performance for all student groups in order to attain the achievement of state standards. *TEC 11.252(a)*
- The DIP is
 - Informed by data
 - Developed and monitored through the involvement of a variety of stakeholders
 - Approved by the Board of Trustees

Irving Independent School District

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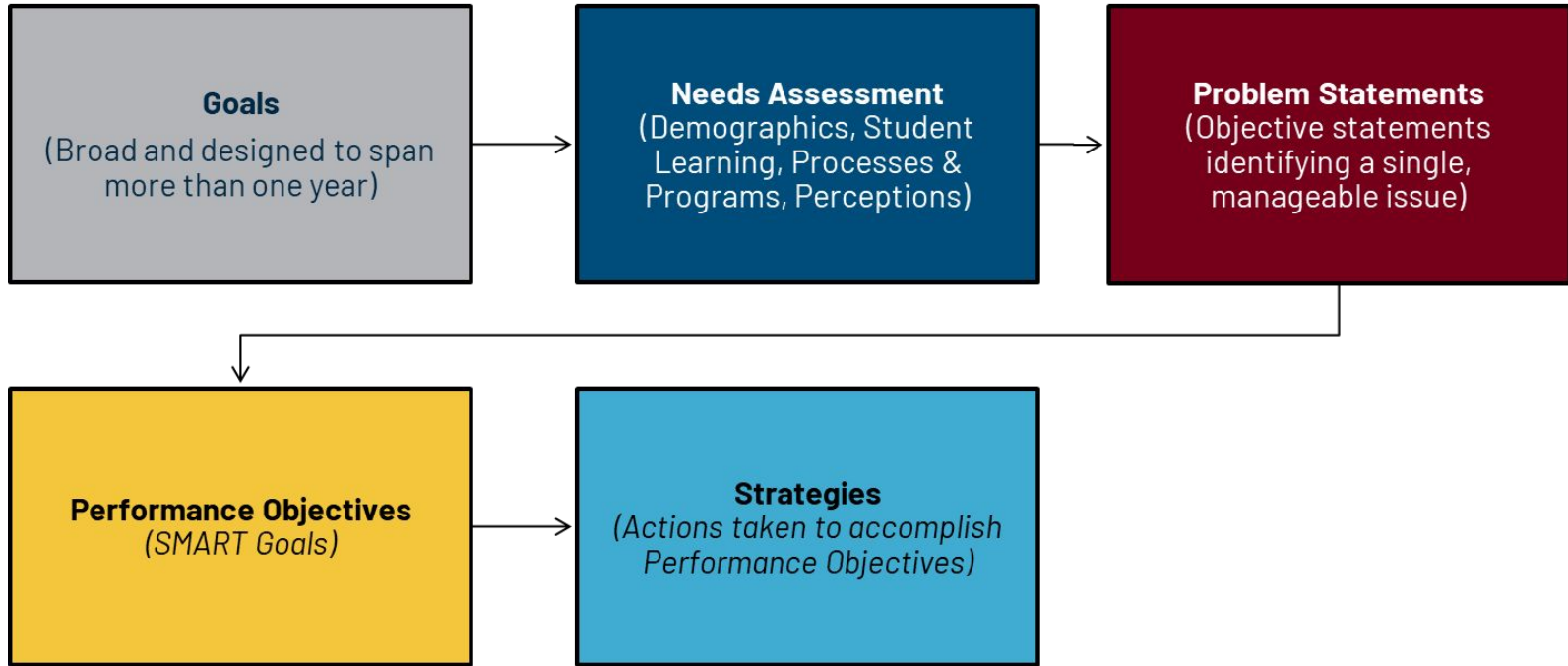
District Improvement Plan

2023-2024





How is the DIP developed?



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Comprehensive Needs Assessment

- **What is our current state?**
 - Demographics
 - Student Learning Environment
 - Programs and Processes
 - Perceptions
- **Based on the information we collect, where should we focus our improvement efforts over the next year?**

October 23, 2023

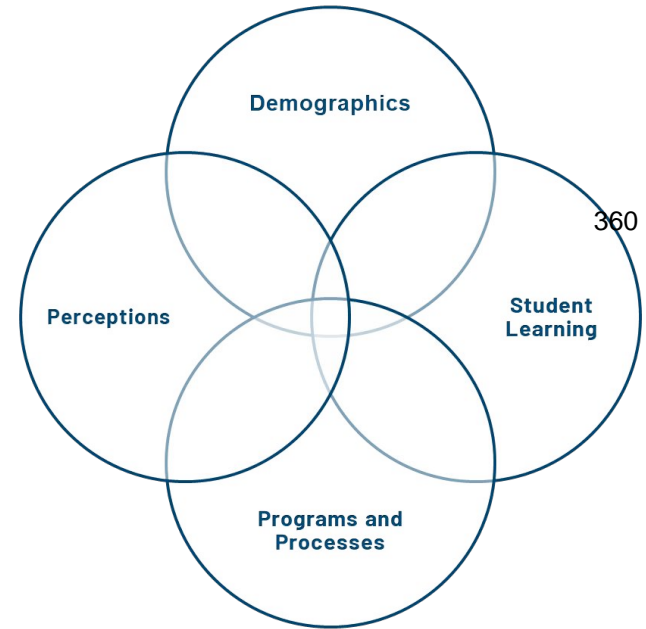


Exhibit IV-D



Who supports this process?

- **Organizational Collaborative Team**

- The Organizational Collaborative Team (OCT) is a group of district staff at various levels of leadership who work together to author, implement, monitor, and refine district improvement efforts by strengthening alignment and collaboration across department teams.

- **District Improvement Committee**

- The District Improvement Committee (DIC) is a group of representative stakeholder members, including students, teachers, parents, and community members who advise district administration in the planning, operating, supervising, and evaluating of the District's educational program, including the preparation, review, and monitoring of the District Improvement Plan.





Prioritized Problem Statements

- The DIP features 13 prioritized problem statements. Each problem statement is analyzed to identify root cause(s). These statements are then aligned to one more strategy for focused improvement this year. 362
 - Example - *Demographics: Attendance has not rebounded post-pandemic. Average attendance was 90.87% in May 2022 as compared to 95.866% for the five-year period prior to the pandemic. Root cause: Lack of consistent communication regarding attendance.*



Aligned Improvement Strategies

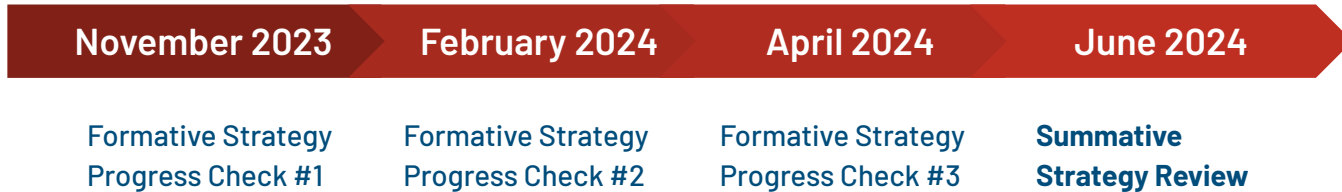
- The DIP features 23 aligned improvement strategies. Each prioritized problem statement is tied to at least one improvement strategy. Each strategy will be measured by a performance objective. Each Board Goal has aligned performance objectives and strategies. 363
 - Example - Strategy: We will acquire the Attendance Suite from Power School and utilize the attendance tools in a systematic way. (Performance Objective: We will achieve and maintain a Refined Daily Attendance rate of 93%)



Formative and Summative Reviews

The 2023-2024 District Improvement Plan will implement and monitor the progress of 23 improvement strategies.

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IRVING ISD
REIMAGINED

