



Engineering Services

May 2019

Leroy San Miguel

ASSISTANT SUPERINTENDENT FOR FACILITIES & OPERATIONS

Henry Acosta

EXECUTIVE DIRECTOR OF CONSTRUCTION & ENGINEERING

Jacob Villarreal, P.E.

DIRECTOR OF ENGINEERING SERVICES





2014 BOND PROJECTS IN CONSTRUCTION



ATHLETICS UPGRADES

Track & Field Upgrades at John Jay HS

- Engineering Firm – Cude Engineers, LLC
- NISD Project Manager – Jacob Villarreal, P.E.
- Contract Amount – \$1,895,356
- Contractor – Field Turf USA, Inc.
- Construction Period – April 2017 - April 2019
- 100% Construction
- Project Scope – Full replacement of track and football field with synthetic turf and synthetic track surfacing.

FIRE ALARM SYSTEM UPGRADES

Fire Alarm System Upgrades at Tom C. Clark HS & Lighting Upgrades at John Glenn ES

- Engineering Firm – Alderson & Associates, Inc.
- NISD Project Manager – Carlos Rodriguez
- Contract Amount – \$370,000
- Contractor – Consolidated Electric Service, Inc.
- Construction Period – September 2018 - June 2019
- 80% Construction
- Project Scope-
 - Tom C. Clark– Fire Alarm System Upgrades
 - John Glenn– Replace 32 watt lamps with LED fixtures throughout classroom, gym, cafeteria and library.



MECHANICAL UPGRADES

Mechanical Upgrades at Henry T. Brauchle ES

- **Engineering Firm – Cleary Zimmermann Engineers**
- **NISD Project Manager – Rob Ibarra**
- **Contract Amount – \$2,950,000**
- **Contractor – Baron-Long Construction, LTD.**
- **Construction Period – June 2018 - August 2019**
- **100% Construction (Phase 3 of 4)**
- **Project Scope – Replace unit ventilators to meet district standards in classrooms.**

Mechanical Upgrades at Jack C. Jordan MS

- **Engineering Firm – Wallis Engineering Group, Inc.**
- **NISD Project Manager – Rob Ibarra**
- **Contract Amount – \$7,465,000**
- **Contractor – D.L. Bandy Constructors, Inc.**
- **Construction Period – June 2018 - August 2020**
- **95% Construction (Phase 3 of 6)**
- **Project Scope – Install new VAV system throughout campus and replace chiller.**



**PROJECTS IN DESIGN
2018 BOND PROGRAM - PHASE 1**



ENERGY CONTROLS

Energy Controls at Locke Hill ES

- Engineering Firm – DBR Engineering Consultants, Inc.
- NISD Project Manager – Carlos Rodriguez
- Contract Amount – \$239,600
- Contractor – Climatec, LLC
- Construction Period – June 2019 - August 2019
- 100% Design
- Project Scope – Complete replacement of the existing Energy Controls Systems.

ISMS

Access & Intrusion Control Upgrades at

John Jay HS

E.M. Pease MS

Jimmy L. Elrod ES

Support Services

William H. Taft HS

Katherine Stinson MS

Christian Evers ES

Central Office

Pat Neff MS

Robert L. Vale MS

Nellie M. Reddix Center

- Engineering Firm – Combs Consulting Group
- NISD Project Manager – Charles Pereira
- Contract Amount – \$1,099,000
- Contractor – Alterman, Inc.
- Construction Period – June 2019 - June 2020
- 100% Design
- Project Scope – Replacement of Access Control and Intrusion Detection cabling and associated devices.



PAVING & DRAINAGE UPGRADES

Roadways 1 at “Galm Road Area” HS

- **Engineering Firm – MTR Engineers, LLC**
- **NISD Project Manager – Pollyanne Johnson**
- **Budget Amount – \$1,850,000**
- **Contractor – TBD**
- **Construction Period – February 2020 - June 2020**
- **60% Design**
- **Project Scope – Construction of public roadways to provide access to future high school. (Long Road)**

Roadways 2 at “Galm Road Area” HS

- **Engineering Firm – MTR Engineers, LLC**
- **NISD Project Manager – Pollyanne Johnson**
- **Budget Amount – \$825,000**
- **Contractor – TBD**
- **Construction Period – July 2019 - October 2019**
- **100% Design**
- **Project Scope – Construction of public roadways to provide access to future high school. (Short Road)**



PLUMBING UPGRADES

Plumbing Upgrades at Lawrence Powell ES

- **Engineering Firm – MS2 Inc. Consulting Engineers**
- **NISD Project Manager – Troy Spear**
- **Budget Amount – \$220,000**
- **Contractor – TBD**
- **Construction Period – June 2019 - August 2019**
- **100% Design**
- **Project Scope – Complete installation of PVC Sanitary Sewer piping infrastructure that is tied to the City Main Line.**

SITE IMPROVEMENTS

Athletic Fields at Oliver Wendell Holmes HS

- **Engineering Firm – MTR Engineers, LLC**
- **NISD Project Manager – Pollyanne Johnson**
- **Budget Amount – \$8,000,000**
- **Contractor – TBD**
- **Construction Period – June 2019 - April 2020**
- **100% Design**
- **Project Scope – Relocation of baseball field, softball field and tennis courts. Construction of concession stand restrooms and storage.**



PROJECTS IN CONSTRUCTION 2018 BOND PROGRAM- PHASE 1



BOILER REPLACEMENT

Boiler Replacement at John Jay HS

- Engineering Firm – KCA Engineers, Inc.
- NISD Project Manager – Ramiro Guerrero
- Contract Amount – \$643,500
- Contractor – Comfort-Air Engineering, Inc.
- Construction Period – June 2019 - August 2019
- 5% Construction
- Project Scope – Replacement of one existing boiler to include hydronics.

ELECTRICAL UPGRADES

Electrical Upgrades at Northwest Crossing ES

- Engineering Firm – MS2 Inc. Consulting Engineers
- NISD Project Manager – Ramiro Guerrero
- Contract Amount – \$453,800
- Contractor – Central Electric Enterprises & Co.
- Construction Period – June 2019 - August 2019
- 5% Construction
- Project Scope – Replacement of the existing Electrical Panels.



FIRE ALARM UPGRADES

Fire Alarm Upgrades at Bob Lewis ES

- **Engineering Firm – CNG Engineering, PLLC**
- **NISD Project Manager – Carlos Rodriguez**
- **Contract Amount – \$175,000**
- **Contractor – Consolidated Electric Service, Inc.**
- **Construction Period – June 2019 - August 2019**
- **5% Construction**
- **Project Scope – Complete Fire Alarm System Upgrade.**

Fire Alarm Upgrades at Meadow Village ES & William J. Thornton ES

- **Engineering Firm – Silber & Associates Consulting Engineers Inc.**
- **NISD Project Manager – Carlos Rodriguez**
- **Contract Amount – \$328,900**
- **Contractor – Central Electric Enterprises & Co.**
- **Construction Period – April 2019 - May 2019**
- **75% Construction**
- **Project Scope –**
 - **Meadow Village ES – Replace Main Fire Panel, cabling, and devices.**
 - **Thornton ES – Main Fire Alarm cabling and devices.**



FIRE ALARM UPGRADES (cont.)

Fire Sprinkler System & Lighting Upgrades at Leon Valley ES

- Engineering Firm – Alderson & Associates, Inc.
- NISD Project Manager – Troy Spear
- Contract Amount – \$928,632
- Contractor – CRI Electric, Inc.
- Construction Period – March 2019 - August 2019
- 55% Construction
- Project Scope – Installation of Fire Sprinkler Systems, and replacement of existing HID/old Fluorescents to LED Lighting Fixtures.

LIGHTING UPGRADES

Lighting Upgrades at Shirley J. Howsman ES & Northwest Crossing ES

- Engineering Firm – KCI Technologies, Inc.
- NISD Project Manager – Carlos Rodriguez
- Contract Amount – \$148,000
- Contractor – LED Electric & Lighting Contractors, LLC
- Construction Period – March 2019 - July 2019
- 60% Construction
- Project Scope –
 - Howsman ES: Replacement of existing HID / old fluorescents to LED Lighting Fixtures.
 - Northwest Crossing: Replacement of the existing site HID Lighting fixtures with new LED energy efficient fixtures.



ISMS

Surveillance Camera Upgrades at

John Glenn ES	Carlos Coon ES	Mary Burns Michael ES
Christian Evers ES	Virginia A. Myers ES	Dr. Carl and Bunny Jean Raba ES
Kay Franklin ES	Dr. Sara B. McAndrew ES	Raul B. Fernandez ES
Timberwilde ES	Lawrence Powell ES	Bob Lewis ES
Lloyd M. Knowlton ES	Gregorio Esparza ES	Nora Forester ES
Dr. Winn Murnin ES	Dolores B. Linton ES	Jimmy L. Elrod ES
Mary Lou Fisher ES	Jerry D. Allen ES	J. B. Passmore ES
R. R. Cable ES	Mary Hull ES	Colby Glass ES
Eduardo Villarreal ES	Ed Cody ES	Murray E. Boone ES
Leon Valley ES	Oak Hills Terrace ES	Adams Hill ES
Robert F. McDermott ES	William J. Thornton ES	Meadow Village ES
Dr. Joe J. Bernal MS	Dr. John M. Folks MS	Kelly Smith Technology
Transportation South	Culebra Transportation	

- **Engineering Firm – Combs Consulting Group**
- **NISD Project Manager – Charles Pereira**
- **Contract Amount – \$1,296,081**
- **Contractor – Alterman, Inc.**
- **Construction Period – June 2019 - June 2020**
- **5% Construction**
- **Project Scope – Installation of new cameras and replacement of existing cameras.**



MECHANICAL UPGRADES

Mechanical Upgrades at Colonies North ES

- **Engineering Firm – CNG Engineering, PLLC**
- **NISD Project Manager – Rob Ibarra**
- **Contract Amount – \$397,200**
- **Contractor – Gillette Air Conditioning Co., Inc.**
- **Construction Period – June 2019 - August 2019**
- **5% Construction**
- **Project Scope – Chiller Replacement**

Mechanical Upgrades at Pat Neff MS

- **Engineering Firm – DBR Engineering Consultants, Inc.**
- **NISD Project Manager – Rob Ibarra**
- **Contract Amount – \$739,916**
- **Contractor – Gillette Air Conditioning Co., Inc.**
- **Construction Period – June 2019 - August 2019**
- **5% Construction**
- **Project Scope – Replacement of (8) RTUs.**



MECHANICAL UPGRADES (cont.)

Mechanical Upgrades at E. M. Pease MS

- **Engineering Firm – DBR Engineering Consultants, Inc.**
- **NISD Project Manager – Rob Ibarra**
- **Contract Amount – \$779,000**
- **Contractor – R.E.C. Industries, Inc.**
- **Construction Period – June 2019 - August 2019**
- **10% Construction**
- **Project Scope – Chiller Replacement**

Mechanical Upgrades at F. R. Scobee ES

- **Engineering Firm – Silber & Associates Consulting Engineers, Inc.**
- **NISD Project Manager – Rob Ibarra**
- **Contract Amount – \$722,000**
- **Contractor – Flo-Aire Service Inc.**
- **Construction Period – June 2019 - August 2019**
- **5% Construction**
- **Project Scope – Chiller Replacements (2).**



MECHANICAL UPGRADES (cont.)

Mechanical Upgrades at NISD Support Services Center

- **Engineering Firm – Wallis Engineering Group, Inc.**
- **NISD Project Manager – Troy Spear**
- **Contract Amount – \$600,000**
- **Contractor – Comfort-Air Engineering, Inc.**
- **Construction Period – May 2019 - August 2019**
- **5% Construction**
- **Project Scope – Replacement of (2) CRAC units in the data room with plumbing for gas modifications as needed.**

Mechanical Upgrades at Valley Hi ES

- **Engineering Firm – KCA Engineers, Inc.**
- **NISD Project Manager – Rob Ibarra**
- **Contract Amount – \$826,870**
- **Contractor – R.E.C. Industries, Inc.**
- **Construction Period – June 2019 - August 2019**
- **5% Construction**
- **Project Scope – Replacement of (10) RTUs.**



MECHANICAL UPGRADES (cont.)

Mechanical Upgrades at Earl Warren HS

- **Engineering Firm – Silber & Associates Consulting Engineers, Inc.**
- **NISD Project Manager – Rob Ibarra**
- **Contract Amount – \$782,573**
- **Contractor – L.C. Mosel Co.**
- **Construction Period – June 2019 - August 2019**
- **15% Construction**
- **Project Scope – Chiller Replacements (3).**

PA INTERCOM SYSTEMS

PA Intercom Systems at Julia Newton Aue ES & Peggy Carnahan ES

- **Engineering Firm – DBR Engineering Consultants, Inc.**
- **NISD Project Manager – Ramiro Guerrero**
- **Contract Amount – \$168,193**
- **Contractor – San Antonio Sound & Light**
- **Construction Period – April 2019 - August 2019**
- **5% Construction**
- **Project Scope – Turn-key PA and Intercom System with two-way Communication.**



PA INTERCOM SYSTEMS (cont.)

PA Intercom Systems at Mary Lou Fisher ES & Ralph Langley ES

- **Engineering Firm – DBR Engineering Consultants, Inc.**
- **NISD Project Manager – Carlos Rodriguez**
- **Contract Amount – \$167,383**
- **Contractor – San Antonio Sound & Light**
- **Construction Period – April 2019 - August 2019**
- **5% Construction**
- **Project Scope – Turn-key PA and Intercom System with two-way Communication.**

PA Intercom Systems at Helotes ES & Locke Hill ES

- **Engineering Firm – DBR Engineering Consultants, Inc.**
- **NISD Project Manager – Carlos Rodriguez**
- **Contract Amount – \$163,884**
- **Contractor – Beckwith Electronic Engineering Company**
- **Construction Period – April 2019 - August 2019**
- **15% Construction**
- **Project Scope – Turn-key PA and Intercom System with two-way Communication.**



PAVING & DRAINAGE UPGRADES

Paving & Drainage Upgrades at Louis D. Brandeis, William J. Brennan & Earl Warren HS

- **Engineering Firm – MTR Engineers, LLC**
- **NISD Project Manager – Pollyanne Johnson**
- **Contract Amount – \$362,744**
- **Contractor – ADCO Master Builders**
- **Construction Period – June 2019 - August 2019**
- **5% Construction**
- **Project Scope – Emergency access roads to competition fields at each campus.**

Paving & Drainage Upgrades at Carlos Coon ES

- **Engineering Firm – CDS Muery Engineers**
- **NISD Project Manager – Pollyanne Johnson**
- **Contract Amount – \$1,044,700**
- **Contractor – R. L. Rohde General Contractors**
- **Construction Period – June 2019 - August 2019**
- **5% Construction**
- **Project Scope – Pavement replacement of visitor and additional staff parking, asphalt play area and fire lane for portables.**



PAVING & DRAINAGE UPGRADES (cont.)

Paving & Drainage Upgrades at Colonies North ES

- **Engineering Firm – CDS Muery Engineers**
- **NISD Project Manager – Pollyanne Johnson**
- **Contract Amount – \$588,500**
- **Contractor – R. L. Rohde General Contractors**
- **Construction Period – June 2019 - August 2019**
- **5% Construction**
- **Project Scope – Pavement replacement in the service area, drive and blacktop. Address drainage adjacent to service area.**

Drainage Upgrades at Helotes ES

- **Engineering Firm – MTR Engineers, LLC**
- **NISD Project Manager – Pollyanne Johnson**
- **Contract Amount – \$147,000**
- **Contractor – Clearfield Construction**
- **Construction Period – June 2019 - August 2019**
- **5% Construction**
- **Project Scope – Drainage upgrades to existing interior courtyard.**



PAVING & DRAINAGE UPGRADES (cont.)

Paving & Drainage Upgrades at Dr. Martha Mead ES

- **Engineering Firm – Civil Engineering Consultants (CEC)**
- **NISD Project Manager – Pollyanne Johnson**
- **Contract Amount – \$430,551**
- **Contractor – RCO Construction, LLC**
- **Construction Period – June 2019 - August 2019**
- **5% Construction**
- **Project Scope – Drainage upgrades in play area and adjacent service drive. Retaining wall reconstruction and site paving.**

SITE IMPROVEMENTS

Site and Athletics Upgrades at William J. Brennan, Oliver Wendell Holmes, John Marshall and John Paul Stevens HS

- **Engineering Firm – MTR Engineering, LLC**
- **NISD Project Manager – Pollyanne Johnson**
- **Contract Amount – \$4,800,000**
- **Contractor – Hellas General Construction**
- **Construction Period – June 2019 - August 2019**
- **5% Construction**
- **Project Scope – Resurface band marching pad, add parking lot and construct three turf football fields.**