



Engineering Services

February 2019

Leroy San Miguel

ASST. SUPERINTENDENT FOR FACILITIES & OPERATIONS

Henry Acosta

EXECUTIVE DIRECTOR OF CONSTRUCTION & ENGINEERING

Jacob Villarreal, P.E.

DIRECTOR OF ENGINEERING SERVICES





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 – March 2019**
- **90% Construction**
- **Project Scope – Full replacement of track and football field with synthetic turf and synthetic track surfacing.**

ENERGY CONTROLS

Energy Controls at Helotes ES & Anna Mae Nichols ES

- **Engineering Firm – DBR Engineering Consultants, Inc.**
- **NISD Project Manager – Ramiro Guerrero**
- **Contract Amount – \$188,000**
- **Contractor – Climatec, LLC**
- **Construction Period – June 2018 – January 2019**
- **100% Construction**
- **Project Scope –**
 - **Helotes ES – Upgrade cabling and full HVAC control system.**
 - **Nichols ES – Upgrade network cabling.**



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 – March 2019**
- **50% 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 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**
- **70% Construction (Phase 3 of 6)**
- **Project Scope – Install new VAV system throughout campus and replace chiller.**



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**
- **70% Construction (Phase 3 of 4)**
- **Project Scope – Replace unit ventilators to meet district standards in classrooms.**

P.E. / ATHLETICS DRESSING / LOCKER RM AC INSTALLATION

PE/Athletics Dressing/Locker Room AC Installation at Jack C. Jordan MS

- **Engineering Firm – CNG Engineering, PLLC**
- **NISD Project Manager – Carlos Rodriguez**
- **Contract Amount – \$297,009**
- **Contractor – International Mechanical Services**
- **Construction Period – June 2018 – February 2019**
- **95% Construction**
- **Project Scope – Install air conditioning and heating in boys' and girls' locker rooms.**



PROJECTS IN DESIGN 2018 BOND PROGRAM- PHASE 1



ADDITIONS/RENOVATIONS

Science Lab Additions and Renovations at Health Careers HS

- **Engineering Firm – Silber & Associates Consulting Engineers, Inc.**
- **NISD Project Manager – Ramiro Guerrero**
- **Budget Amount – \$200,000**
- **Contractor – TBD**
- **Construction Period – June 2019 – August 2019**
- **100% Design**
- **Project Scope – Replacement of existing fume hoods, to include electrical upgrades as needed.**

BOILER REPLACEMENT

Boiler Replacement at John Jay HS

- **Engineering Firm – KCA Engineers, Inc.**
- **NISD Project Manager – Ramiro Guerrero**
- **Budget Amount – \$900,000**
- **Contractor – TBD**
- **Construction Period – June 2019 – August 2019**
- **100% Design**
- **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**
- **Budget Amount – \$480,000**
- **Contractor – TBD**
- **Construction Period – June 2019 – August 2019**
- **100% Design**
- **Project Scope – Replacement of the existing Electrical Panels.**

ENERGY CONTROLS

Energy Controls at Locke Hill ES

- **Engineering Firm – DBR Engineering Consultants, Inc.**
- **NISD Project Manager – Carlos Rodriguez**
- **Budget Amount – \$200,000**
- **Contractor – TBD**
- **Construction Period – June 2019 – August 2019**
- **100% Design**
- **Project Scope – Complete replacement of the existing Energy Controls Systems.**



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 – February 2019 – July 2019**
- **100% Design**
- **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**
- **Budget Amount – \$310,000**
- **Contractor – TBD**
- **Construction Period – April 2019 – May 2019**
- **100% Design**
- **Project Scope –**
 - **Meadow Village ES – Replace Main Fire Panel, cabling, and devices.**
 - **Thornton ES – Main Fire Alarm cabling and devices.**



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**
- **100% Design**
- **Project Scope – Installation of Fire Sprinkler Systems, and replacement of existing HID/old Fluorescents to LED Lighting Fixtures.**

ISMS

Access & Intrusion Control Upgrades at John Jay HS, William H. Taft HS, Pat Neff MS, E. M. Pease MS, Katherine Stinson MS, Robert L. Vale MS, Jimmy L. Elrod ES, Christian Evers ES, Nellie M. Reddix Center, Support Services and Central Office

- **Engineering Firm – Combs Consulting Group**
- **NISD Project Manager – Charles Pereira**
- **Budget Amount – \$1,099,000**
- **Contractor – TBD**
- **Construction Period – June 2019 – June 2020**
- **95% Design**
- **Project Scope – Replacement of Access Control and Intrusion Detection cabling and associated devices.**



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**
- **Budget Amount – \$1,670,000**
- **Contractor – TBD**
- **Construction Period – June 2019 – June 2020**
- **100% Design**
- **Project Scope – Installation of new cameras and replacement of existing cameras.**



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 – August 2019
- 100% Design
- 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.

MECHANICAL UPGRADES

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
- 100% Design
- Project Scope – Chiller Replacement



Mechanical Upgrades at Colonies North ES

- **Engineering Firm – CNG Engineering, PLLC**
- **NISD Project Manager – Rob Ibarra**
- **Budget Amount – \$620,000**
- **Contractor – TBD**
- **Construction Period – June 2019 – August 2019**
- **100% Design**
- **Project Scope – Chiller Replacement**

Mechanical Upgrades at NISD Support Services Center

- **Engineering Firm – Wallis Engineering Group, Inc.**
- **NISD Project Manager – Troy Spear**
- **Budget Amount – \$417,000**
- **Contractor – TBD**
- **Construction Period – April 2019 – August 2019**
- **100% Design**
- **Project Scope – Replacement of (2) CRAC units in the data room with plumbing for gas modifications as needed.**



Mechanical Upgrades at Pat Neff MS

- **Engineering Firm – DBR Engineering Consultants, Inc.**
- **NISD Project Manager – Rob Ibarra**
- **Budget Amount – \$1,000,000**
- **Contractor – TBD**
- **Construction Period – June 2019 – August 2019**
- **100% Design**
- **Project Scope – Replacement of (4) RTUs.**

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**
- **100% Design**
- **Project Scope – Chiller Replacements (2).**



Mechanical Upgrades at Valley Hi ES

- **Engineering Firm – KCA Engineers, Inc.**
- **NISD Project Manager – Rob Ibarra**
- **Budget Amount – \$1,800,000**
- **Contractor – TBD**
- **Construction Period – June 2019 – August 2019**
- **100% Design**
- **Project Scope – Replacement of (6) RTUs.**

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**
- **100% Design**
- **Project Scope – Chiller Replacement (2).**



PAVING & DRAINAGE UPGRADES

Drainage Upgrades at Helotes ES

- **Engineering Firm – MTR Engineers, LLC**
- **NISD Project Manager – Pollyanne Johnson**
- **Budget Amount – \$150,000**
- **Contractor – TBD**
- **Construction Period – June 2019 – August 2019**
- **100% Design**
- **Project Scope – Drainage Upgrades to existing interior courtyard.**

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

- **Engineering Firm – MTR Engineers, LLC**
- **NISD Project Manager – Pollyanne Johnson**
- **Budget Amount – \$345,000**
- **Contractor – TBD**
- **Construction Period – June 2019 – August 2019**
- **100% Design**
- **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**
- **Budget Amount – \$1,000,000**
- **Contractor – TBD**
- **Construction Period – June 2019 – August 2019**
- **100% Design**
- **Project Scope – Pavement replacement of visitor and additional staff parking, asphalt play area and fire lane for portables.**

Paving & Drainage Upgrades at Colonies North ES

- **Engineering Firm – CDS Muery Engineers**
- **NISD Project Manager – Pollyanne Johnson**
- **Budget Amount – \$500,000**
- **Contractor – TBD**
- **Construction Period – June 2019 – August 2019**
- **60% Design**
- **Project Scope – Pavement replacement in the service area, drive and blacktop. Address drainage adjacent to service area.**



Paving & Drainage Upgrades at Dr. Martha Mead ES

- **Engineering Firm – Civil Engineering Consultants (CEC)**
- **NISD Project Manager – Pollyanne Johnson**
- **Budget Amount – \$400,000**
- **Contractor – TBD**
- **Construction Period – June 2019 – August 2019**
- **100% Design**
- **Project Scope – Drainage upgrades in play area and adjacent service drive. Retaining wall reconstruction and site paving.**

Roadways at “Galm Road Area” HS

- **Engineering Firm – MTR Engineers, LLC**
- **NISD Project Manager – Pollyanne Johnson**
- **Budget Amount – \$2,000,000**
- **Contractor – TBD**
- **Construction Period – July 2019 – April 2020**
- **30% Design**
- **Project Scope – Construction of public roadways to provide access to future high school.**



PA INTERCOM SYSTEMS

PA Intercom Systems at Helotes ES & Locke Hill ES

- **Engineering Firm – DBR Engineering Consultants, Inc.**
- **NISD Project Manager – Carlos Rodriguez**
- **Budget Amount – \$215,000**
- **Contractor – TBD**
- **Construction Period – April 2019 – August 2019**
- **100% Design**
- **Project Scope – Turn-key PA and Intercom System with 2-way Communication.**

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

- **Engineering Firm – DBR Engineering Consultants, Inc.**
- **NISD Project Manager – Ramiro Guerrero**
- **Budget Amount – \$84,000**
- **Contractor – TBD**
- **Construction Period – April 2019 – August 2019**
- **100% Design**
- **Project Scope – Turn-key PA and Intercom System with 2-way Communication.**



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

- **Engineering Firm – DBR Engineering Consultants, Inc.**
- **NISD Project Manager – Carlos Rodriguez**
- **Budget Amount – \$84,000**
- **Contractor – TBD**
- **Construction Period – April 2019 – August 2019**
- **100% Design**
- **Project Scope – Turn-key PA and Intercom System with 2-way Communication.**

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 – April 2019 – August 2019**
- **5% 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 – TBD**
- **Contractor – TBD**
- **Construction Period – May 2019 – April 2020**
- **60% Design**
- **Project Scope – Relocation of baseball field, softball field and tennis courts. Construction of concession stand restrooms and storage.**

Retaining Wall Replacement at William H. Taft HS

- **Engineering Firm – Persyn Engineering**
- **NISD Project Manager – Troy Spear**
- **Budget Amount – \$100,000**
- **Contractor – TBD**
- **Construction Period – December 2018 – January 2019**
- **95% Construction**
- **Project Scope – Demolition of existing retaining wall and flat work. Replacement of retaining wall and flat work.**



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

- **Engineering Firm – MTR Engineering, LLC**
- **NISD Project Manager – Pollyanne Johnson**
- **Budget Amount – TBD**
- **Contractor – TBD**
- **Construction Period – June 2019 – August 2019**
- **50% Design**
- **Project Scope – Resurface band marching pad, add parking lot and construct 3 turf football fields**