

Facilities Committee Meeting

January 7, 2021 4:00 pm

BISD Career & Technical Ed. Bldg 1905 East 6th Street Brownsville, Texas 78520

Dr. Rene Gutierrez, Superintendent of Schools Dr. Nellie Cantu, Deputy Superintendent

Today's Agenda

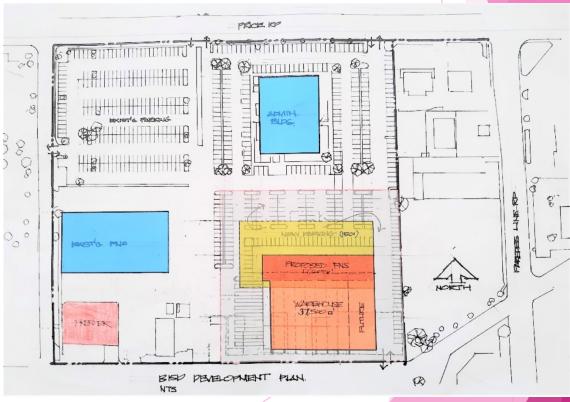
- A. Update on Ongoing Projects
- B. Update on Budget Balances
- C. Update on Energy and Water Consulting Projects District-wide
- D. Discussion of Additional Parking at Hanna ECHS to Accommodate the New Gym and Campus Needs
- E. Discussion of Additional Bleachers at the ECHS Soccer Fields
- F. Discussion of Modifications Necessary to Complete the District Stadium at Veterans ECHS
- G. Discussion of Additional Bathrooms for Canales Elementary School
- H. Revised Delegation of Authority (Ranking Form)
- I. Sams Stadium Scoreboard Repairs
- J. Easement Request from Magic Valley Electric Coop.
- **K.** FNS New Construction (Freezer)
- L. Maintenance Department Updates
- M. Update on Middle School Tracks



A. Update on Ongoing Projects

FNS Roof Repairs-Substantial Completion







Lopez ECHS -Roof Replacement Phase I 90% Complete



Lopez ECHS Bus Drive &
Staff Parking
Lot
Improvements
50% Complete







Vela MS –Bus Drive Improvements 40% Complete



Multi-Campus Canopies Upgrades Phase I and II

75% Complete

- Martin ES,
- Villa Nueva ES,
- Faulk MS, &
- Stell MS) 75%

50% Complete

- Aiken ES,
- Canales ES,
- Comack ES,
- Del Castillo El,
- El Jardin ES)



Canales ES Parking, Roof & Canopies



Aiken ES Canopies



Villa Nueva ES Canopies



Martin ES Canopies





Multi-Campus Canopies Upgrades
Phase I and II



Canales ES Parking, Roof and Canopies

Records Dept. – Shredder Ventilating-System-Substantial Completion









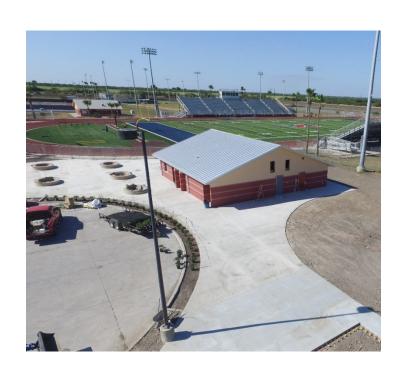
1) Rivera ECHS-HVAC& LED Lighting Upgrades 80%

2) Aquatic Center-Roof Replacement and Heating System 10%



Update of Tax Rate Election (TRE)Construction Projects

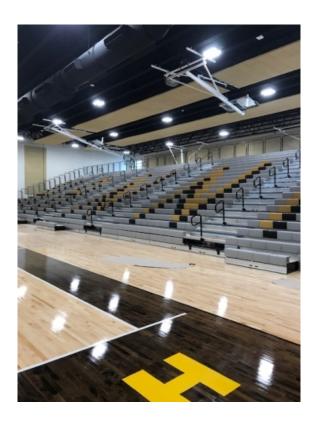
Veterans ECHS – Restroom/Concession Stand-Substantial Completion



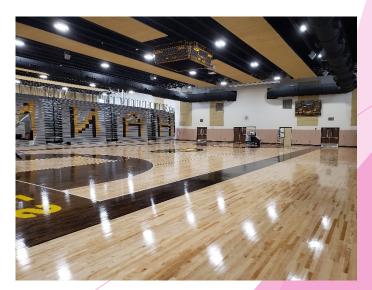


Tax Ratification Increase (TRI) Construction Projects

Hanna ECHS New Gymnasium Facility

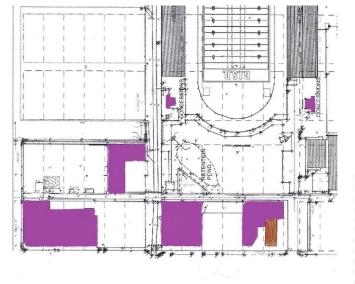


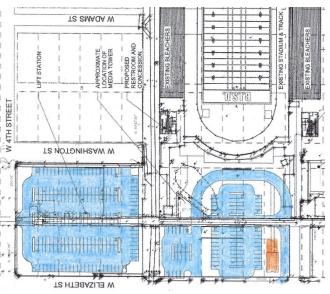




Tax Ratification Increase (TRI) Construction Projects

Sams Stadium Restrooms Concession and Parking









Tax Ratification Increase (TRI) Construction Projects

Elementary Mini-Gyms HVAC and Restrooms







- ☐ Aiken ES☐ Champion ES☐ Del Castillo ES☐
- □Egly ES
- □El Jardin ES
- ☐Gonzalez ES
- ☐Morningside ES
- ☐ Palm Grove ES
- □Perez ES
- □ Vermillion ES





B. Update of Budget Balances

Three (3) Budget Buckets



Tax Rate Increase (TRI) – Fund 188 2017-2018 to present



Maintenance Tax Note (MTN) – Fund 189 2017-2018 through December, 2020



Tax Rate Election (TRE) – Fund 197 2015-2016 & 2016-2017



Bucket 1 – Tax Rate Increase (TRI)

Fund 188

Timeline (FY 2017-2018 & Forward)		
<u>Revenues</u>	Locations/Sources	Actuals/Committed
FY 2017-2018	11.25 Pennies	\$29,452,269.00
FY 2018-2019	11.25 Pennies	\$30,308,894.00
Total Generated Tax Revenues	\$59,761,163.00	
Elementary Mini Gyms - HVAC Project	34 Elementary-Phase I	(\$17,000,000.00
Hanna Gym		(\$10,000,000.00
Stadium Upgrades & Land Purchases		(\$9,593,451.90
Maintenance Tax Note Principal & Interest	2 Years of Payments	(\$5,696,062.78
LED Lighting	19 Campuses	(\$3,200,000.00
Intercom System Upgrades	District-Wide	(\$3,200,000.00
Debt Service Transfers	2 Years of Payments	(\$2,364,499.00
HVAC, Roofing, Parking Projects	Maintenance One-Time Projects	(\$5,288,515.01
Glazing Windows Project	19 Campuses	(\$1,655,000.00
Roof	Aquatic Center	(\$1,398,792.35
Transportation Software	On-Board Guidance and Navigation Software	(\$432,520.00
HS Score Boards		(\$406,548.90
Performing Arts Center	(Costs - Topography & PPP Costs)	(\$10,200.00
Appraisal Fee	Parades Elementary	(\$950.00
Project Expenditures		(\$60,246,539.94



Fund 189

Bucket 3 – Maintenance Tax Note (MTN)

Maintenance Tax Note 2017 Projects (MTN) (Fund 189) Timeline (FY 2017-2018 Through December 2020) Note Proceeds are Borrowed Funds which will be paid back in 6 Years (Final Payment FY2023-2024)

Net Proceeds - Part 1 Interest Earned on Net Proceeds -	<u>Locations</u> Amounts for Priority 1 Projects	<u>Actuals/Committed</u> \$52,700,000.00
Part 1 Total Revenues		\$2,079,623.67 \$54,779,623.67
HVAC Upgrades	8 Locations	(\$10,783,321.13)
Design Build - Energy Conservation	14 Locations - Schneider Electric & E3 Entegral Solutions	(\$22,500,000.00)
Roof Replacement	13 Locations	(\$10,847,959.44)
Parking Lot Renovations	6 Locations	(\$2,277,988.97)
Canopies Upgrades	9 Locations	(\$2,863,748.00)
Chillers	Stell, Ortiz, Brite, & Keller	(\$1,398,792.35)
CTE Center	CV1 Canopy	(\$647,489.00)
Consolidation of Schools		(\$635,532.66)
Heating	Aquatic Center	(\$558,979.00)
Interior Facilities Assessment		(\$350,000.00)
Demolition	Canales Portables Buildings	(\$350,000.00)
Arbitrage Set Aside		(\$250,000.00)
Recycling Equipment Ventilating		
System	Records Department	(\$207,023.00)
Paint Booth Installation	Hanna High School	(\$30,000.00)
Marquee	Pace High School	(\$8,005.00)
Clearwater Elementary Renovations	(Costs - Asbestos Testing)	(\$4,950.00)
Total Project Expenditures		(\$53,713,788.55)
Amount Remaining (Overage)		\$1,065,835.12



Bucket 2 – Tax Rate Election (TRE)

Tax Rate Election Projects (TRE) Fund 197

Fund 197

Timeline (FY 2015-2016 & FY 2016-20	17)	
	Locations	Actuals/Committed
FY 2015-2016	_	\$8,641,735.00
FY 2016-2017	_	\$7,947,679.00
Land Sale Proceeds	_	\$51,481.00
Total Revenues		\$16,640,895.00
Fine Arts Facilities	Pace ECHS & Porter ECHS	(\$8,069,776.18)
High School Soccer Fields	All 6 ECHS	(\$5,506,745.02)
Middle School 4-Lanes Tracks	Besteiro, Lucio, & Vela MS	(\$1,910,702.99)
Visitor's Restroom Facilities	Veterans Memorial ECHS	(\$905,453.15)
Ticket Booths	Veterans Memorial ECHS	(\$152,831.25)
Canopies	Morningside & Martin ES	(\$95,386.41)
Project Expenditures		(\$16,640,895.00)
Amount Remaining		\$0.00



C. Update on Energy and Water Consulting Projects District-wide

Rationale: Energy Smart Corp., Bob Driggers

BISD currently receives power from:

- Brownsville Public Utilities Board (PUB) 52 schools and facilities
- 2) Magic Valley Electric Coop (MVEC) 11 schools
- 3) Texas General land Office 3 schools

Findings:

	Company	Cost x kilowatt	Pass thru Charge	Total Cost
1	Brownsville PUB	0.09	included	
2	Magic Valley Electric Coop	0.08	included	
3	Texas General Land Office	0.04997	0.03664	.08661

Next Step:

- 1. Evaluation and Negotiations PUB contract
- 2. Purpose: Negotiate lower utility costs

Background: Energy and Water Consulting District-Wide

- > E-bidding System was used; however we accommodated for manual submittals
- > Ranking Committee will be selected by the Maintenance Department
- Purchasing Department representative oversee Ranking Committee
- Ranking will be performed via TEAMS Software

Date	Action
April 27, 2020	1st Advertisement
May 03, 2020	2 nd Advertisement
May 12, 2020	Submittal – Due at 11:00 a.m. Opening – 11:15 a.m.
May 12, 2020	Ranking – 1:30 p.m.
June 16, 2020	Board Award Date

Update on Energy and Water Consulting Projects District-Wide

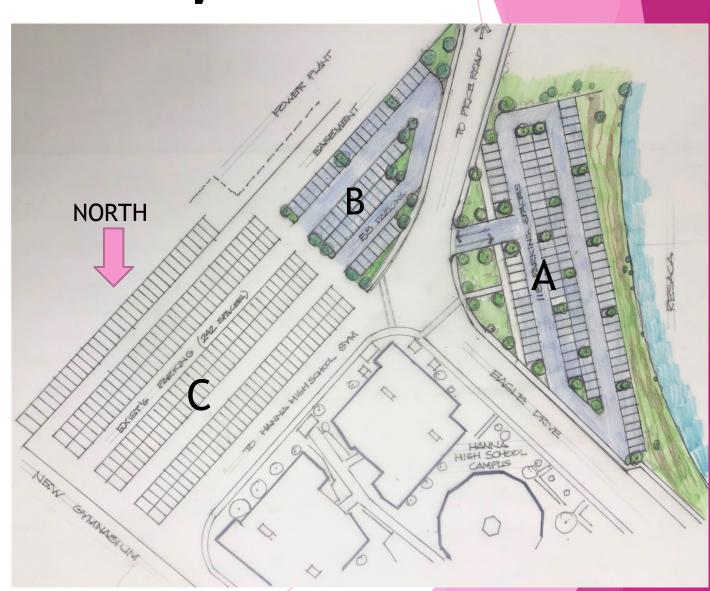
- RFQ 20-135 Energy and Water Consulting Service District Wide Energy Smart Corp was board approved on September 1st, 2020 to significantly reduce BISD's Energy and Water Bills.
- Mr. Bob Driggers, energy consultant has reviewed and analyzed the District's previous two years of monthly electricity billings.
- The analysis consists of the following criteria:
 - Verified billings based on application of the appropriate rate tariff
 - Requested to convert to available lower cost tariffs to all 3 current Utilities Companies (BPUB, MVEC, AEP/CAVALLO)
 - Administration together with Mr. Bob Driggers energy consultant have virtually met several times with all 3 current Utilities Companies (BPUB, MVEC, AEP/CAVALLO) for negotiations with current suppliers to reduce or discount current rates at least consistent with other available suppliers.
 - Started and ongoing negotiations of new operating agreements including elimination of ratcheting, maintenance charges, power factor freeze, minimum demands, blanket easements and obtain discounted contracts.
 - Detailed report with Negotiated rates and Discounts Presentation and recommendations to BISD administration/board will follow upon completion.

D. Discussion of Additional Parking at Hanna ECHS to Accommodate the New Gym and Campus Needs

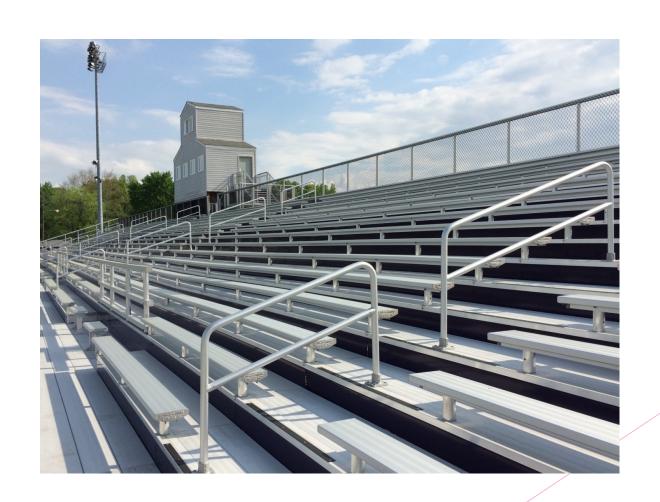


Proposed Additional Parking for Hanna High School Gymnasium

- <u>Existing Gym Parking</u> C (242 parking spaces)
- Proposed
- New Parking Part A- (118 parking spaces) estimated cost = \$300,000
- New Parking Part B 55 parking spaces) estimated cost = \$125,000
- Total New Parking Part A & B (173 parking spaces) estimated cost = \$425,000

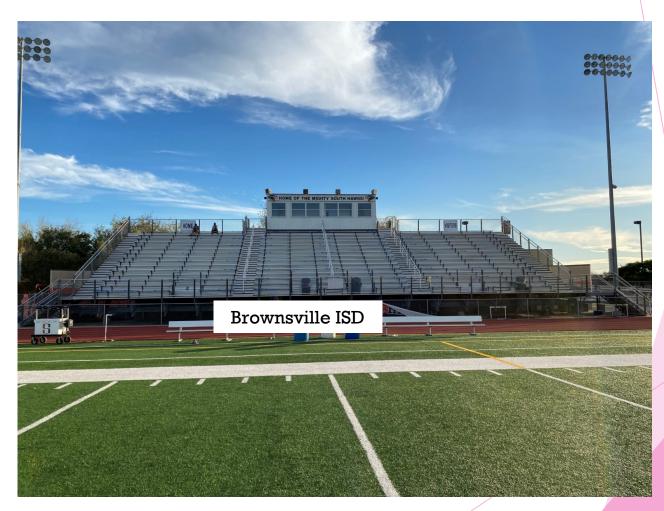


E. Discussion of Additional Bleachers at the ECHS Soccer Fields



Projected Cost to Add Bleachers to High School Soccer Fields

- Turn key, design, install
- 650 capacity ADA compliant with Press box
- Approximately \$200,000 per school.



F. Discussion of Modifications Necessary to Complete the District Stadium at Veterans ECHS



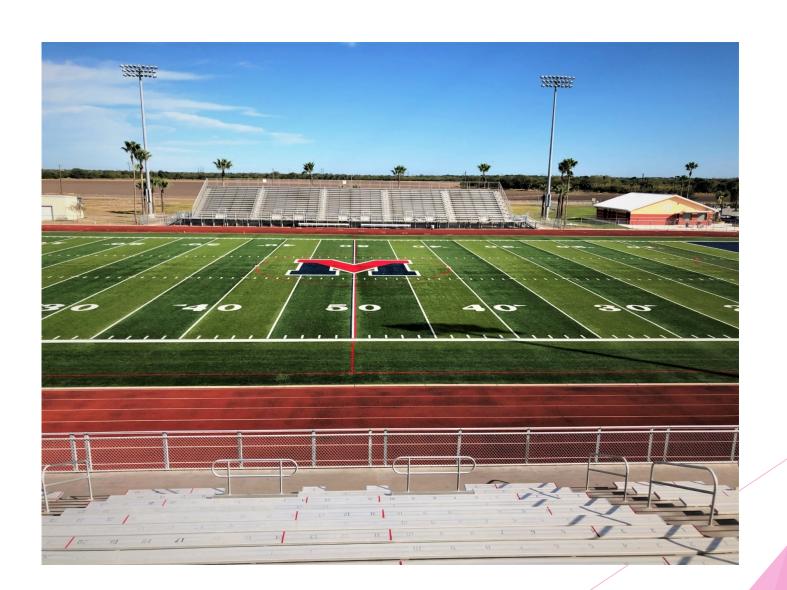
Modifications Necessary to Complete the District Stadium at Veterans ECHS **Rationale**

- ► A 2nd stadium is needed to host various events, including soccer, at the field located at Veterans Memorial ECHS
- The intent of the field located at Veterans Memorial ECHS was to serve as a 2nd "stadium" for BISD schools at a cost of \$800,000.
- Currently, the facility identifies the Veterans Memorial ECHS logo in the field

Recommendation:

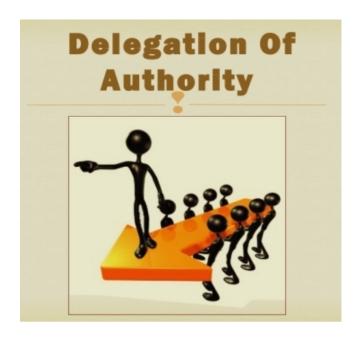
- 1. Evaluate cost to remove single logo to use this facility for multi-purpose events districtwide.
- 2. Submit proposal estimate with a budget allocation recommendation during the next Facilities Committee Meeting.
- 3. Discussion

Current View



G. Discussion of Additional Bathrooms Canales Elementary School

H. Revised Delegation of Authority Form



Revised Delegation of AuthorityConstruction (Ranking Form)

Important:

Ranking committee limited to BISD staff

	Current Ranking Evaluation and	Pts.	Proposed	Pts.
	Ranking Criteria		Порозец	1 13.
1	Purchase Price	60	Proposal Price	35
	No Point value assigned		1 point – High Bidder	
			2 points-Fourth Low Bidder	
			3 points – Third Low Bidder	
			4 points- Second Low Bidder	
			5 points – Low bidder	
2	Company Construction Experience	15	Qualifications/Experience	30
	 Number of years in business 	5	2 pts. – 0-10 years/projects	
	 PK-12 School construction experience 	5 5	3 points – 10-20 years/projects	
	 Experience in similar size, complexity and cost of 	3	5 points – 20 plus years/projects	
	project			
3	Construction Team and Subcontractors	10	Past Performance	15
	Project management and Project Superintendent	5	0 points – 0-10 Did not submit	
	experience	5	3 points – 10-20 Similar projects	
	Subcontractors experience and reputation		5 points – 10 plus similar projects	
4	Professionalism/Conflict Resolution	10	Management/Personnel	15
	 Firms Professionalism/Reputation 	5	0 points – Did not submit	
	Conflict Resolution Performance	5	3 points – 0-10 Years'/personnel experience	
			submitted	
			5 points – 10 plus years/personnel submitted	
5	Construction Performance	25	Sub-Contractor	5
	Quality of work	6	0 points – Did not submit	
	Project Documentation	3 5	3 points – Incomplete list submitted	
	History of meeting deadlines	3	5 points – Complete list submitted	
	Closing our Project/Completing Punch lists			
	Change Order Pricing and Processing	3		
	Safety Record	2		
	Payment of Bills	3		
6	Financial Strength	20		
	Financial Statements, Independent Audited	10		
	Financial Statements, Review Audit, or			
	Compilation Report and Bank References			
	Treasury Listed Bond, Federal, or State, on	5		
	unlisted Bond Co., and Bonding Capacity	-		
	Bankruptcy History, Litigation History, Lawsuit			
	History (Company & Owner), Criminal History	5		
	TOTAL	140		100

CONTRACTOR Ranking Criteria

Important:

Ranking committee limited to BISD staff

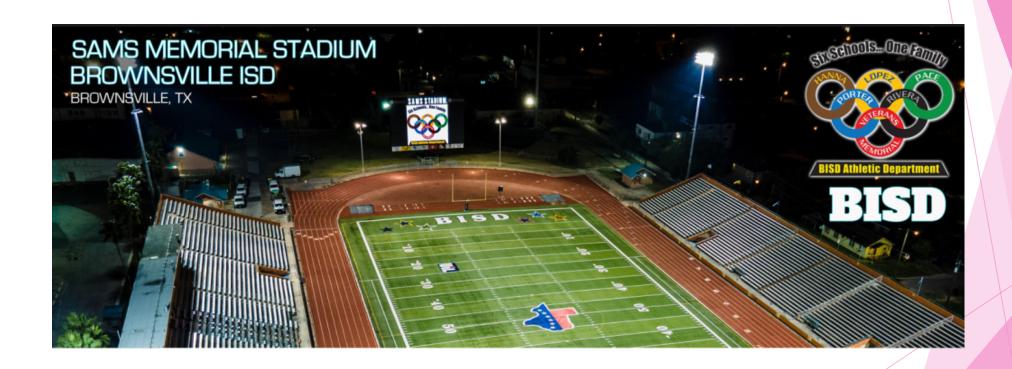
			VENDOR 1		,	VENDOR 2		,	VENDOR 3	
	Criteria	Weight Factor	Grade Points (0-5)	Points	Weight Factor	Grade Points (0-5)	Points	Weight Factor	Grade Points (0-5)	Points
1 Pr	oposal Price (30 points max.)									
1	High Bidder									
2	Fourth Low Bidder									
3	Third Low Bidder									
4	Second Low Bidder									
5	Low bidder									
2. Qı	ualifications/Experience (30 points max.)									
2	0-10 years/project									
3	10-20 years/projects									
5	20 plus years/projects									
2 Da	st Performance (15 points max.)									-
3. Fa	0-10 Did not submit									-
3	10-20 Similar projects									
5	10 Plus Similar projects									
4. M	anagement/Personnel (15 points max.)									
0	Did not submit									
3	0-10 years's/personnel experience submitted									
5	10 Plus years/personnel submitted									
5. Su	b-Contractor (10 points max.)									
0	Did not submit									
3	Incomplete list submitted									<u> </u>
5	Complete list submitted									
Total	Points (100 max)									

ARCHITECT/ ENGINEER

Ranking Criteria

		VENDOR 1			VENDOR 2			VENDOR 3		
	Criteria	Weight Factor	Grade Points (5-10)	Points	Weight Factor	Grade Points (5-10)	Points	Weight Factor	Grade Points (5-10)	Points
1. EXPE	RIENCE (7 points max.)									
	0-5 years experience									
7	6+ years experience									
2. Past I	Performance (7 points max.)									
5	0-5 similar projects									
7	6+ similar projects									
	gement Team (7 points max.)									X
5	0-5 staff members and 1 licensed professional in field									
7	5-10 staff members 1-5 licensed professionals in field									
4 Defe	anne (Fineinte man)									
	Reference Score									
1-5	Reference Score									
5. Meet	Overall Needs (10 points max.)									
1-10	Firms location, experience, past performance, management team									
Total Po	pints (36 max)									

I. Sams Stadium Scoreboard



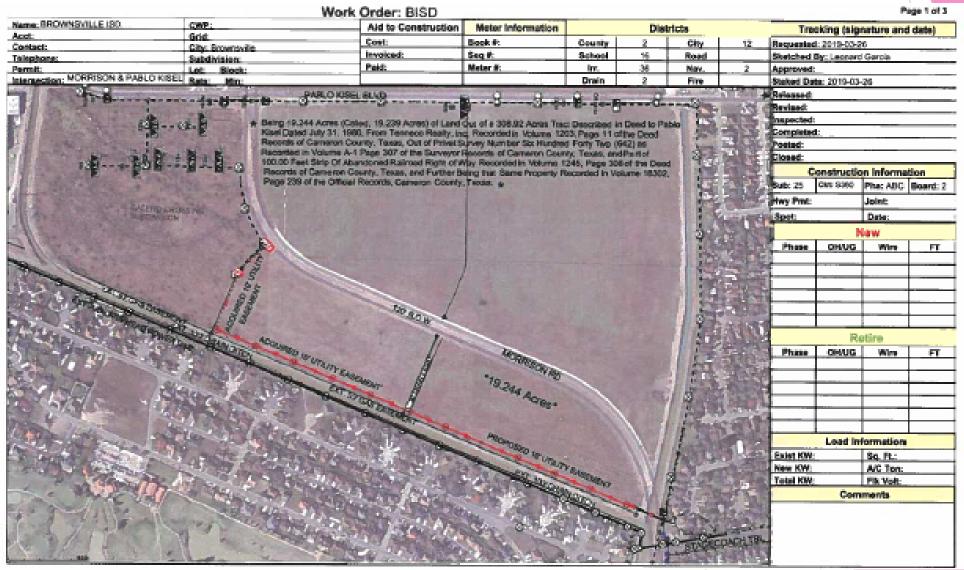
Quotes for Evaluation of Scoreboard Speakers

- ➤ Quotes received from installer (original purchase) to complete evaluation (approx. \$5,000 travel and \$9,500 for assessment). Repair costs are not included.
- Facilities opened purchase order with local engineer/consultant firm to evaluate scoreboard speaker repairs.
- > Update: awaiting evaluation and estimate of cost to repair speakers

J. Easement Request from Magic Valley Electric Coop.



Discussion of ORIGINAL and PROPOSED Easement Request



Proposed Easement Request for MVEC

- ► Administration recommends **approval** of the Proposed Easement Request for the following reasons:
 - No cost,
 - ▶ No impact in property size, with the exception of some pole excavation,
 - ▶ No interruption to BISD Operations

K. New FNS Freezer Construction



New FNS Freezer Construction **Rationale**

Three reasons for new freezer construction:

- 1. Currently, FNS has the capacity to store 4 days food inventory.
- 2. Aged equipment (dropping in temperature).
- 3. Renting outside storage fees.

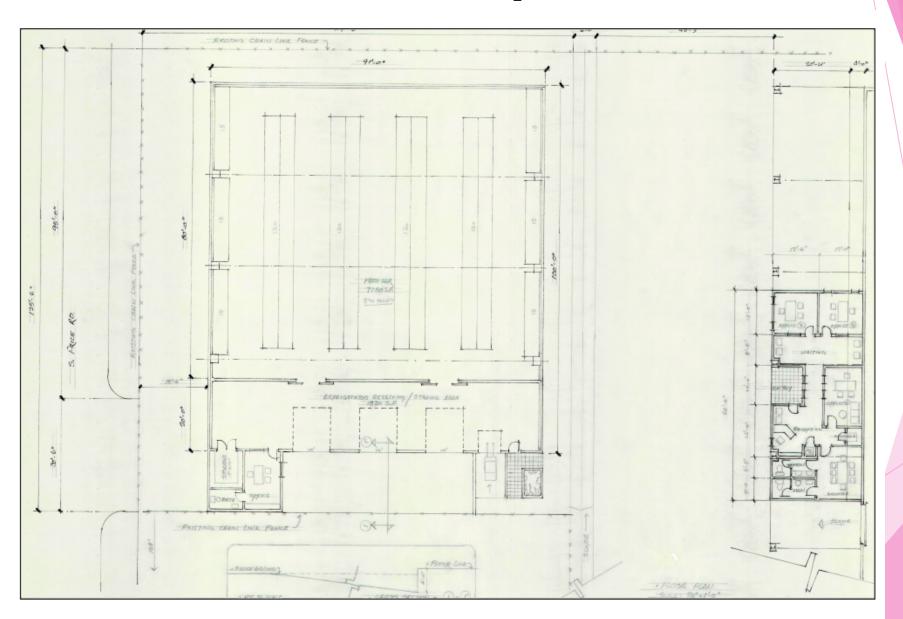
Recommending to new construction, new freezer space which will allow:

- 1. Two weeks worth of frozen product on site. We will have 3 weeks of food allocation. In the event of an emergency, we have reserves in the district.
- 2. Time savings utilizing drivers to and from leased facility.
- 3. Cost savings to the district on storage fees to rent space in a leased location.

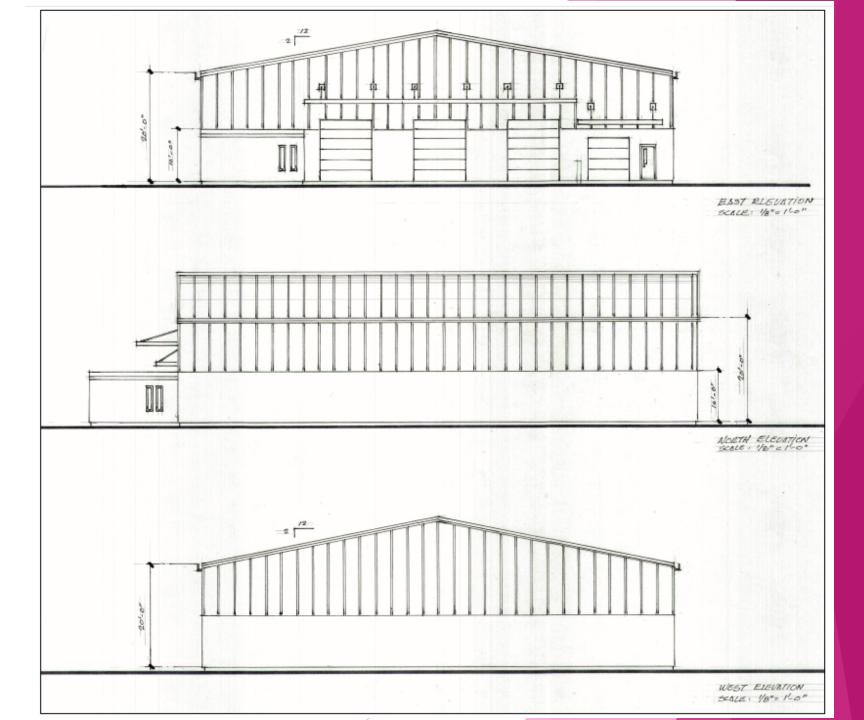
Budget allocation:

- ESSER funds allocation \$1 million
- Additional funds from FNS for facilities (\$.5 million approved by TDA)

FNS Freezer Layout



FNS New Construction Elevation Drawings



L. Maintenance Department Updates



Maintenance Department Overview

Operating Budget Fund 199 (2020 -2021) (District-Wide Use)

Total of 74 Facilities with 54 Campuses

Maintenance Operating Budget Allocation for District-Wide: \$3,982,587.00

Maintenance One Time Expenditures: \$2.5 million

Maintenance Operating Budget Balance as of 12/11/20: \$510,304.43

Total Purchase Requests (91) on "hold" due to funding (budget constraints): \$352,377.75

Maintenance Operating Available Balance through June 30th, 2021: \$57,926.68

Work order Stats July, 2020 –December, 2020

Received: 8,688

> Completed: 7,001

> Pending: 1,687

High Priority: 2,920

Emergencies (called in): 160

On "hold" due to funding (budget constraints: 163

Maintenance Department **CURRENT** Ongoing Projects, including Purchases of Equipment & Supplies

Trade	Location	Description of Work / Project	Timeline Start/Estimated Completion Date
General Maintenance	District-Wide	Install Plexi-Glass Protective Shields (Front Office Counters District Wide)	Complete
Electrical	District-Wide	Install electrical outlets for water fountains	Oct. 2020 – Feb. 2021
Plumbing	District-Wide	Remove and install new "touchless sensor" water fountains and provide new water supply lines (Bottle Fillers)	Oct. 2020 – Feb. 2021
Equipment Provided	Location	Description	Completion Date
Clorox 360 Electrostatic Sprayers and product	District-Wide	$2^{\rm nd}$ order of sprayers provided this school year	Received/Delivered
Auto disk scrubbers – Hallway Floors	District-Wide	For disinfecting floors	Received/Delivered
Micro-scrubbers - Restrooms	District-Wide	For cleaning and disinfecting restroom floors	Received/Delivered
Disinfection PPE Kits	District-Wide	Kits include: hand sanitizer, sanitizing wipes, shoe covers, vinyl gloves, disposable micro-fiber wipes, 12 gallon step-on container for disposal of PPE waste and disposable gowns.	Pending Delivery

Maintenance Department **CURRENT**LED Lighting Projects District Wide

Campus	Location of Work	Status	
Sharp	Cafeteria, Library and Outdoor Lighting	Completed	
Vermillion	Library	Completed	
Peña	Library	Pending	
Russell	Library	Completed	
Gonzalez	Library, room 202	Completed	
Manzano	Library	Completed	
Putegnat	Cafeteria	85% Completed (in progress)	
Breeden	Library	95% Completed (in progress)	
Faulk	Gym	Completed	
Stell	Gym	Completed	
Palm Grove	Library	Completed	
Canales	Cafeteria, Outdoor lighting	Completed	
Skinner	Library	Completed	
Cromack	100 and 200 Wings Hallways, Library, & Rooms 14, 15, 25, 26, 27, 28, 29, 30	Completed	
Cromack	Gym	Pending	
Brite	Library, Cafeteria, and Reception area	Pending	
Burns	Library, Cafeteria, Reception Area	Pending	
Hudson	Library, Cafeteria, Reception area	Pending	
Martin	Library, Cafeteria, Reception area	Pending	
Vela	Library, Cafeteria, Reception area	Pending	

Maintenance Department Board Approved **Upcoming** Projects - Start Date January 2021

- Intercom Replacement District Wide Valcom IP6000 (40 Campuses)
- Intercom Replacement Vermillion Valcom IP6000 (Emergency Replacement PO in place)
- Playground Structures District Wide (33 Campuses)
- > SECO PEA Project

RFQ 20-135 Energy and Water Consulting Service District Wide

Project Updates

SECO PEA Project -

Brownsville ISD, requested that Texas Energy Engineering Services, Inc. (TEESI) perform a Preliminary Energy Assessment (PEA) of their facilities. This service is provided at no cost to the District through the Schools and Local Governments Energy Management Program as administered by the Texas Comptroller of Public Accounts, State Energy Conservation Office (SECO). This program promotes and encourages an active partnership between SECO and Texas schools for the purpose of planning, funding, and implementing energy and water saving measures, which will ultimately reduce the District's annual utility costs. The annual cost and energy savings; implementation cost estimate; and simple payback for all Utility Cost Reduction Measures (UCRM's) identified in this preliminary analysis are summarized in Figure 1 below. Individual UCRM's are summarized in Section IX of this report.

PEA Complete and Ready for Evaluation - No cost.

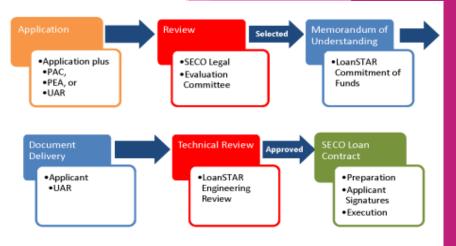
Financial Options-LoanSTAR Program

Maximum loan size: \$8 million

Loan interest rate: 2.0% annually

Maximum loan term: 15 years

HVAC savings degradation rate of 0.75% annually



Facility	ft ²	kWh/ft ²	\$/ft²	TEESI Include?
KELLER ES / MANZANO MS	225,835	19.14	1.70	YES
CANALES ELEM	76,988	18.75	1.81	YES
FAULK MS	104,407	18.72	1.74	YES
SHARP ELEM	53,804	16.48	1.71	YES
PENA ELEM	89,996	15.94	1.64	YES
STELL MS	116,716	15.92	1.44	YES
VELA MS	132,346	15.56	1.42	YES
CROMACK ELEM	78,078	15.54	1.49	YES
PAREDES ELEM	82,644	15.36	1.57	YES
MARTIN ELEM	69,363	15.32	1.69	YES
EL JARDIN ES	79,596	14.96	1.51	YES
PALM GROVE ES	61,565	13.11	1.43	YES
RUSSELL ELEM	94,922	14.88	1.46	YES
CASTANEDA ELEM	71,847	14.86	1.39	YES
DEL CASTILLO ELEM	47,421	14.75	1.51	YES
PUTEGNAT ELEM	61,563	14.72	1.49	YES
MORNINGSIDE ELEM	74,095	14.01	1.49	YES
SKINNER ELEM	71,622	13.97	1.48	YES
PEREZ ELEM	65,896	13.95	1.40	YES
GONZALEZ ELEM	80,216	13.76	1.45	YES
PERKINS MS	139,505	12.28	1.18	YES
LINCOLN PARK SCHOOL HS	45,892	10.68	1.18	YES
YTURRIA ELEM	65,307	14.60	1.34	YES
			SF included:	1,857,624

M. Update on Middle School Tracks



BISD Middle School Tracks



SCHOOL	TRACK	# OF LANES	VENDOR	SOURCE
Besteiro	Yes	4	G & T Paving	T.R.E.
Faulk	No			
Garcia	No			
Lucio	Yes	4	G & T Paving	T.R.E.
Manzano	No			
Oliveira	No			
Perkins	No			
Stell	No			
Stillman	No			
Vela	Yes	4	G & T Paving	T.R.E.





- ▶ I would like to **thank** the following individuals for their commitment and support as we move this work forward:
 - ✓ Dr. Rene Gutierrez, Superintendent
 - ✓ CFO, David Robledo
 - ✓ Finance Director, Mary D. Garza
 - ✓ Architect, Manuel Hinojosa
 - ✓ Assistant Superintendent of Operations, Jimmy Haynes
 - ✓ Maintenance Administrator, Cesar G. Lopez
 - ✓ Projects/Facilities Manager, Martin Espinosa
 - ✓ Projects/Facilities Manager, Fernando A. Villarreal
 - ✓ Rosie Pena, Purchasing Dept. Director
 - ✓ Gilbert Leal, Athletic Director