Brazosport Independent School District Long Range Facilities Planning Committee Meeting April 10, 2014

MINUTES

MEETING DATE: April 10, 2014

The LRFPCM met at 6:00 p.m., April 10, 2014, at the T.W. Ogg Elementary School Library, 208 Lazy Lane, Clute, Texas, with the following members present:

Committee Members Present:

Marla Cole-Andrews	Casey Cundieff	Mary Guilherme	Adam Handley
Anna Karamian	Jim Koch	Drew Lindsey	Jim Martin
Terry McCollough	Duane Rayburn	Johnnie Redden	Gerald Roznovsky
David Stephenson	June Strambler	Melissa Strawn	John Trahan
William Tidwell	Mike Vandaveer	Kirk Willson	

BISD Staff Members Present:

Monty Burger	John Craig	Eddie Damian	Ron Damian
Irenna Garapetian	Nancy Gardner	Karin Holacka	Clint Kocurek
Danny Massey	Sandra McCoy-Jackson	Laura Morris	Dan Schaefer

Guest/Visitor: Scott Schwertner

Items Discussed

- 1) Please refer to the attached PowerPoint printout for the outline of the meeting presentation.
- 2) Selections of the committee chairman (Jim Martin) and committee secretary (Mary Guilherme) were made and approved, with unanimous votes from the committee.
- 3) General background district information was reviewed, including district maps. Additionally, a current district feeder pattern diagram was reviewed, with further information to be added (building age and number of students at each campus).
- 4) The remainder of the meeting covered the subject of facility assessments. A team from Corgan, along with their consultants (MEP, Roofing, and Kitchen Equipment) have been assessing all BISD campus for the past few weeks, having nearly completed all the site visits. The team is currently documenting the data, and assigning ratings of conditions covering Site, Building Exterior, Building Interior, Educational Adequacy, and Building Capacity. Ratings are on a scale of 1(good) to 5 (failure).

Three factors are considered in evaluations: Condition, Perception, and Educational Adequacy.

The goal of an assessment is to: Provide an objective and technical analysis of the physical condition of the BISD facilities, assess the ability of each BISD school to adequately support the BISD educational mission, and evaluate in light of the Board's Guiding Principles.

Building systems cost of investment was reviewed. This is historical data noting individual line items which make up the overall construction of a new building, defining a percentage of overall building cost per item.

Life cycle expectations were reviewed, noting the typical life expectancy of building components.

The Facility Condition Index (FCI) was defined as a ratio of deferred maintenance cost to replacement costs. The FCI calculates the costs to repair a facility versus the cost to replace. Generally, once a rating of 4.25 (on a scale of 1-5) is exceeded, it is more cost efficient to replace a facility instead of repairing, renovating, or expanding it.

04/10/2014 2

A completed assessment for Beutel Elementary was reviewed in detail. All building systems/components were reviewed and rated by Corgan and their consultants. Due to the buildings age, condition, layout for educational adequacy, security concerns, and other issues discussed, the campus was rated at 4.42 which identifies the school as a candidate for replacement.

- 5) Design, Functional, and Actual Capacity were defined and discussed. Design assumes each room to be full at all times during the day, Functional takes into account how the building is utilized, and Actual is the specific enrollment number reported on the most recent PEIMS data.
- 6) Educational Adequacy was explained, noting how well the school is equipped for today's education. Adequacy is determined by many factors including capacity, technology, room arrangement, collaborative spaces, program space, media center functionality, science labs, playground/athletic facilities, CTE spaces, and spaces for intervention.
- 7) The status of the demographic study was noted as nearly complete. Presentation of the study will be the main agenda item at the next meeting. Preliminary projections show enrollments beginning to increase over the next 2-3 years, 2400 single family lots in planning stages, reversing the current trend of student population losses every year since 2005-2006.
- 8) The subject of 21st century learning environments was discussed, and examples shown. The central theme is collaboration and teamwork, use of technology, and real world relevance. Specific ideas of Flipped Classrooms and Project Based Learning were reviewed.
- 9) Various types of Career and Technical Education (CTE) facilities were presented including full day, half day, pull out magnet programs, as well as collaborative programs with higher education entities.
- 10) The overall schedule for the potential bond election was revisited, noting the progress made to date with visioning, assessments, demographics, and committee work. Future meeting dates were reviewed with meetings in May possibly being changed. The extent of the 04-26-14 bus tour of all BISD facilities was discussed, noting that it probably would not be possible to visit all campuses in one day. Committee member names will be provided to schools should any members wish to tour on their own to supplement the tour groups.
- 11) What makes a building "historical" was questioned? There are four categories to historical buildings.
 - 1. Important event happened there.
 - 2. Famous person went there.
 - 3. Architectural significance
 - 4. Important to "us."
- 12) Future Meetings Dates

Thursday, April 24, 2014 (BWood 9th Grade Campus, BUC Room) Saturday, April 26, 2014 (Bus Tour) Wednesday, May 14, 2014 Tuesday, May 27, 2014 Thursday, June 12, 2014

There being no further business, the meeting adjourned at 7:38 p.m.

Approved:	
Jim Martin, LRFP Committee Chairperson	Mary Guilherme, LRFP Committee Secretary

BRAZOSPORT INDEPENDENT SCHOOL DISTRICT

Long Range Facilities Planning Committee 2014 Bond Program Meeting #2

April 10, 2014



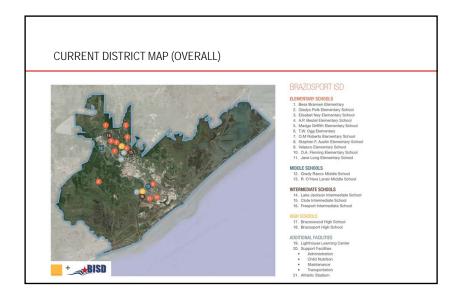
AGENDA

- Welcome and Introduction of Chair and Secretary
- Background Information: Maps and Feeder Patterns
- Presentation on Facility Assessment Methods and Sample Form
- Definitions and Discussion:
 - Capacity
 - Demographic Report
 - 21st Century Learning
 - Career and Technical Education
- Master Schedule/Meeting overview
- Meeting Schedule

INTRODUCTIONS

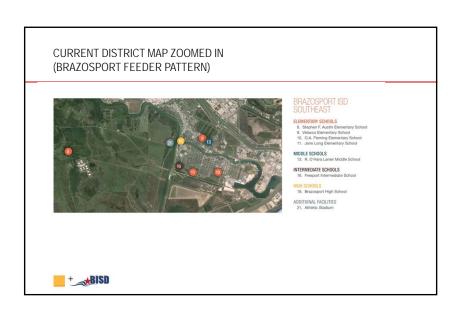
- Chairperson
- Secretary

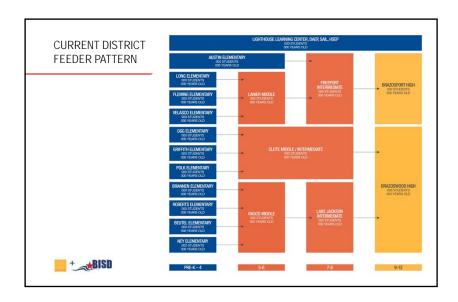
Background Information













SCHOOL FACILITIES

- School facilities are powerful indicators of community values and aspirations
- They not only support the academic needs of the students they serve, but can also address the social, educational, recreational, and personal needs of the members of the broader community
- Three factors to consider in evaluations:
 - Facilities Condition and Operational Adequacy
 - Facilities Perception
 - Educational Adequacy

FACILITY CONDITION ASSESSMENT

- "Facility Condition Assessment" is a term used to describe the process of an analysis of the condition of facilities district wide for age, structural integrity, site conditions and use, educational adequacy, local and federal code requirements, Texas Education Agency (TEA) requirements, life safety, accessibility, building systems, technology infrastructure.
- · Objectives:
 - Provide an objective and technical analysis of the physical condition of the Brazosport ISD facilities
 - Assess the ability of each Brazosport ISD school to adequately support the Brazosport ISD educational mission
 - Evaluate in light of the Board's Guiding Principles

FACILITY CONDITION ASSESSMENT

SYSTEMS COST OF INVESTMENT AVERAGE PERCENTAGE OF OVERALL BUILDING COSTS Site/ Prode Parking Playground I Itilities 79/4

	Site/ Roads, Parking, Playground, Utilities	7%
EXTERIOR		
	Structure/ Foundations, Structural Frame, Walls	5%
	Shell/ Exterior windows, Walls, Doors	10%
	Roof	5%
INTERIOR		
	Educational Adequacy	9%
	Building Finishes	9%
	Code Requirements	3%
	Accessibility	4%
	T.E.A. Standards	3%
	Food Service	4%
	Athletics	5%
BUILDING S'	YSTEMS	
	Mechanical	12%
	Electrical	10%
	Plumbing	6%
	Life Safety	5%
	Technology	4%
		100%

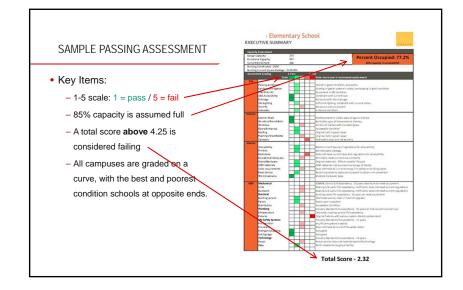


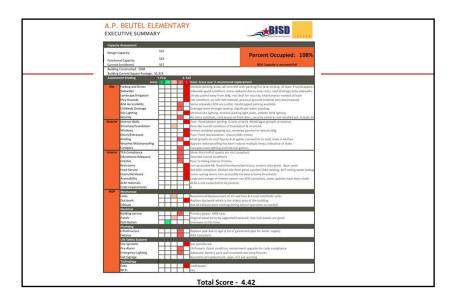
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LIFE CYCLE EXPECTATIONS I (All Designated in Maximum Ex			
Mechanical		Electrical	
Boiler	25	Switchgear	30
Chiller	20	Transformer	30
Cooling Tower	25	Circuit / Outlets	20
Condenser	20	Lighting	20
Pumps	15	Motors	15
Instrumentation	10	motoro	.0
Ductwork	30		
Fans	15	Plumbing	
Coils	25	Drinking Fountains	10
Grilles	25	Water Heaters	20
RTU (Exterior)	15		
Split Systems	10	Other	
Steel Pipe	25	Kitchen Equipment	15
Copper Pipe	35	Carpet	10-15
Cast Iron Pipe	35	Paint	5
•		Ceramic Tile	50
Life Safety		Glazed Block	50
Fire Alarm	20	VCT	50
Smoke / Heat Detector	10	Roofing	10-15

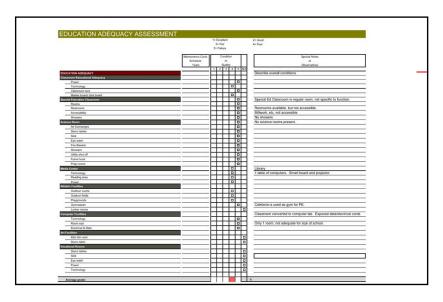
FACILITY CONDITION INDEX

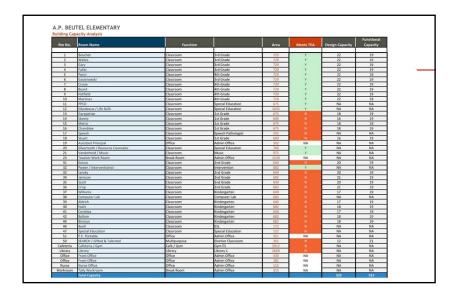
- Facility Condition Index (FCI) is a benchmark metric to analyze the investment in facility improvements. The FCI is a ratio of deferred maintenance cost to replacement costs.
- The facility condition index calculates the costs to repair a facility versus the costs to replace.
- When the number exceeds 4.25 or 65%, the costs to replace with a new energy efficient facility that meets all BISD and TEA standards are less than repair, renovation and expansion.
- Ratings Scale:

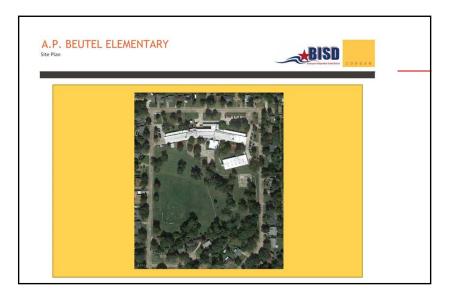
1 = 0%-20%	Replacement Costs
2 = 21%-39%	Replacement Costs
3 = 40%-59%	Replacement Costs
4 = 60%-79%	Replacement Costs
5 = 80%-100%	Replacement Costs

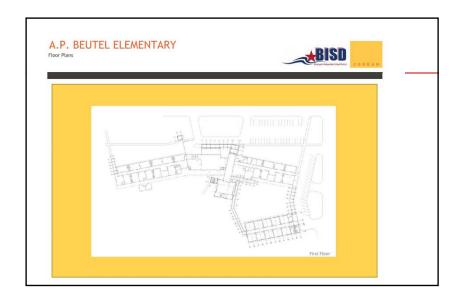


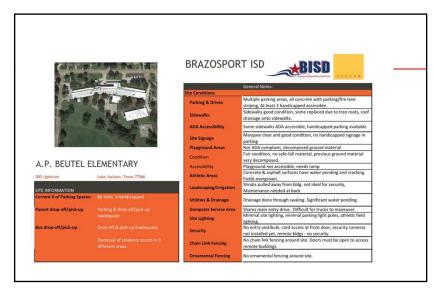


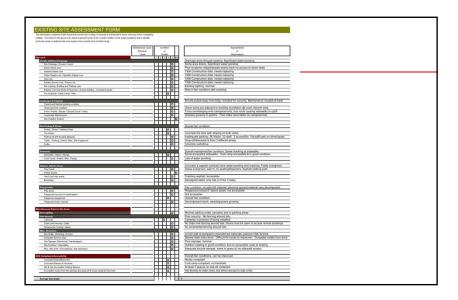


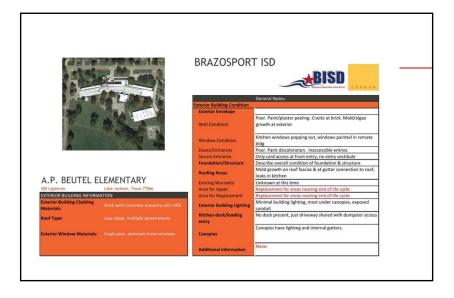


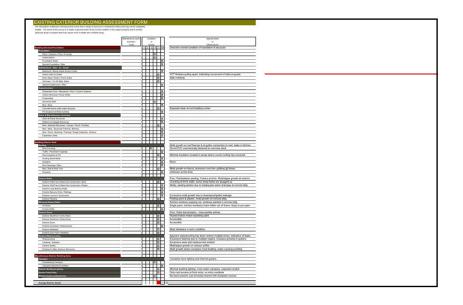




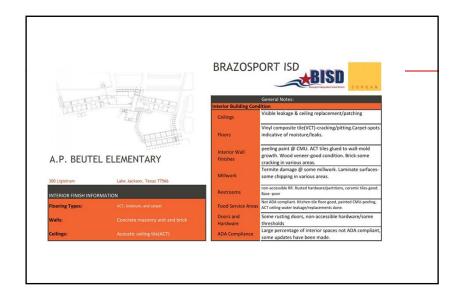


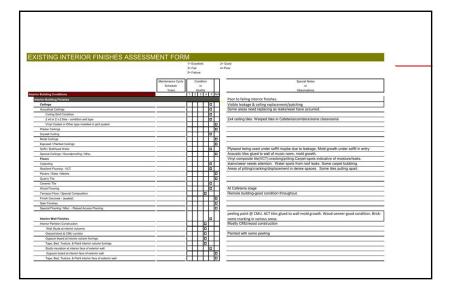


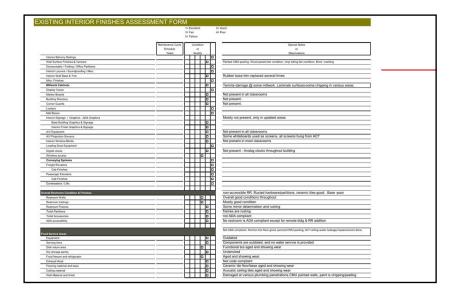


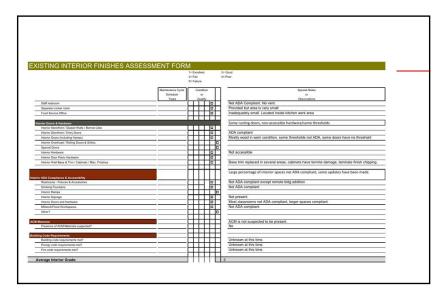


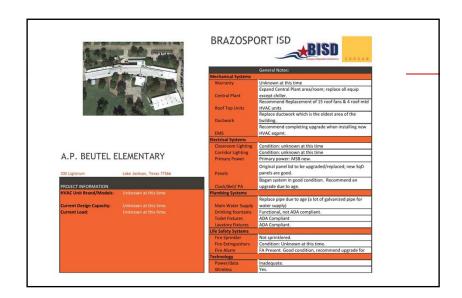


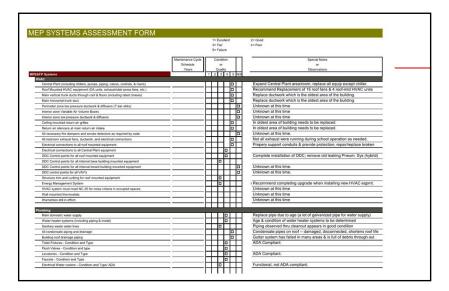


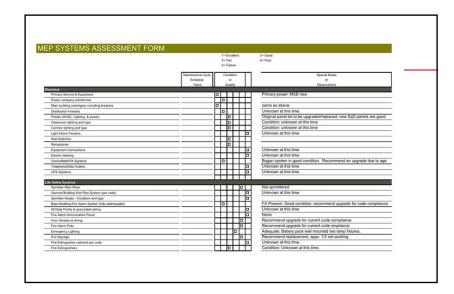


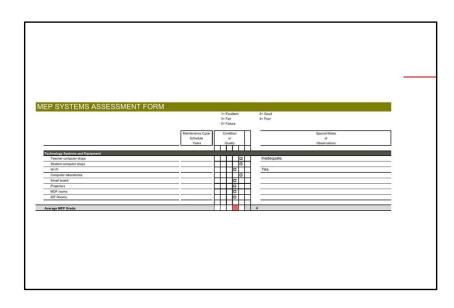
























FACILITY CAPACITY - EXPLANATION

- Design Capacity
 - Each room is assumed to be full at all times during the day
- Functional Capacity
 - Takes into account how the school is being utilized
 - General classrooms
 - Labs
 - · Electives/non-core (MS and above)
 - Special education
 - · Intervention rooms
 - Specials
- Actual Capacity
 - Actual enrollment at the school based on most recent PIEMS data

EDUCATIONAL ADEQUACY

- How well the school is equipped for today's education:
 - Capacity model shows balance neither overcrowding or under-utilization
 - Technology integration and access into the facility
 - Room arrangement and amenities
 - Flexible, collaborative spaces
 - Program spaces
 - Media center functionality and relevance
 - Science laboratories and equipment
 - Playgrounds and athletic facilities
 - Career and Technical Education spaces
 - Spaces for intervention, special education and special needs

Demographic Study

DEMOGRAPHIC STUDY

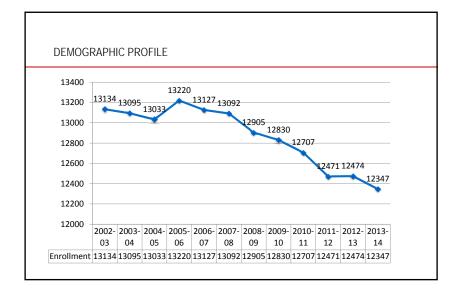
- A Demographic Study is useful to assist in long range planning as it relates to either growth or decline as well as shifts in populations or groups and their makeup.
- Future developments can be anticipated and planned for.
- The Methodology:
 - Use of a leading indicators model for employment
 - Use of projections of housing throughout the District to develop projections, by location, of added students annually over a ten-year period
 - Cohort-survival procedure to define long-range District-wide projections, based on retention, advancement, and attrition as well as housing starts and employment trends

POPULATION & SURVEY ANALYSIS

- Demographic Approach for BISD
 - Brazosport ISD demographic trends
 - Employment trends
 - Industry growth or restructuring
 - Housing projections
 - Ratios: students per household
 - Current student population characteristics
 - Projected student enrollment
 - Long range planning
 - Attendance zones and feeder pattern models
 - Capacity model

DEMOGRAPHIC STUDY

- Demographic Study
- (Conducted by Templeton Demographics in 2014)
- Report Highlights
 - BISD student population decreased by 787 students from 2002-03 to 2013-14
 - Full report will be presented to this committee at April 24 meeting.



21st Century Learning Environments

21st CENTURY LEARNING

- Collaboration and Teamwork
- Augmented by technology
- Real-World relevance





21st CENTURY LEARNING

- Flipped Classrooms
 - Lecture/Information Content delivered on-line, off hours
 - Self-paced
 - Retreviable
 - Instructor chat on-line
 - Class time used for collaborative learning, project based learning, instructor facilitating



PROJECT BASED LEARNING

- Relevance of curriculum to real-world problems and processes.
- Hands-on approach
- Teamwork
- Collaboration



Career and Technical Education

CAREER AND TECHNICAL EDUCATION (CTE)

CTE TODAY

- 21st century workplace trends applied to the 21st century learning environment
- Broad knowledge-base and experience compiling the best solutions across market sectors
- Technology
- Innovation





CTE TODAY

- Understand the current Endorsements
- Understand the market the needs, the student preferences
- Understand the future of the markets
- Understand the alignment of education and work place and the alignment of both for Brazosport ISD students
- Understand the work/learning environment
 - Collaboration
 - Flexibility
 - Future needs



DUBISKI CTE CENTER | GRAND PRAIRIE ISD



DUBISKI CTE CENTER | GRAND PRAIRIE ISD







DUBISKI CTE CENTER | GRAND PRAIRIE ISD

- Full Day Comprehensive High School Model
- Partnered with District to develop program; not an expansion of existing CTE but a reinvention.
- Researched job boards for future employment needs before setting program
- Facility is entirely flexible to accommodate program changes no bearing walls
- Break out and collaboration spaces facilitate project-based learning curriculum and professional environment



TYLER ATCC | TYLER ISD



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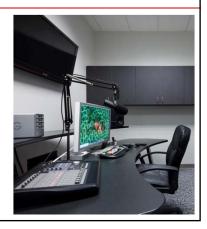
- Half Day "Block" Model
- Defined Program and curriculum with district
- Defined program based upon district need and reviewed all options available
- Worked with local colleges on curriculum subject matter
- Open and Flexible Spaces





NORTHWEST HIGH SCHOOL | NORTHWEST ISD

- Specialized Classroom Model
- State of the art Television Studio
- Media Arts Technology Academy
- Understanding of Technology needs
- Real world production





EATON HIGH SCHOOL | NORTHWEST ISD

- Project Based Learning High School
- Flexible Professional Environment
- International Business and Entrepreneurial Academy
- Defined Program needs with district



NORTHSIDE CULINARY AND CTE | FORT WORTH ISD

NORTHSIDE CULINARY AND CTE | FORT WORTH ISD

- Magnet "Academy" Program
- Total integration of video technology with tracking cameras
 - Live feed into dining area and classrooms
 - Video capture for re-broadcast or distance learning
- Professional Chefs as instructors
 - Developed real-world curriculum
 - Designed real-world spaces and equipment
- Facility is one of District's "Gold Seal" choice programs to serve all students
- Adjacent High School offers pathway courses
- Students in the program are the best ambassadors

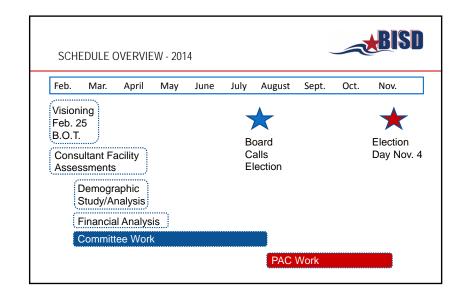




TSTC/RED OAK - INDUSTRIAL TECHNOLOGIES

- Higher Ed Partnership
- District worked with Red Oak/ TSTC to define program
- Community industries involved in curriculum development
- Dual Credit encouraged with district
- · Shared resources provided
- for common goals





MEETING DATES

- FIRST MEETING
 - Thursday, 3/27/14: 6:00-7:30pm
- SECOND MEETING
 - Thursday, 4/10/14: 6:00-7:30pm
- THIRD MEETING
 - Thursday, 4/24/14: 6:00-7:30pm
- FOURTH MEETING
 - Wednesday, 5/14/14: 6:00-7:30pm
- FIFTH MEETING
 - Tuesday, 5/27/14: 6:00-7:30pm
- SIXTH MEETING
 - Thursday, 6/12/14: 6:00-7:30pm

Additional meetings as needed

• Tours: Saturday bus tour of all facilities – tentative April 26 starting early

Brazosport Independent School District Long Range Facilities Planning Committee Meeting Attendance On April 10, 2014

Committee Members Present:

Cole-Andrews, Marla

Cundieff, Casey

Guilherme, Mary

Handly, Adam

Karamian, Anna

Koch, Jim

Lindsey, Drew

Martin, Jim

McCollough, Terry

Rayburn, Duane

Redden, Johnnie

Roznovsky, Gerald

Stephenson, David

Strambler, June

Strawn, Melissa

Trahan, John

Tidwell, William

Vandaveer, Mike

Willson, Kirk

Committee Members Absent:

Bass, Brooks

Campos, Rev. Hector

McKay, Scott

Olvera, Al

Perez, Dawn

Starr, Kimberly

Villanueva, Gabriel

Villanueva, Lynda

Wiley, Savannah

BISD Staff Members Present:

Burger, Monty

Craig, John

Damian, Eddie

Damian, Ron

Garapetian, Irenna

Gardner, Nancy

Holacka, Karin

Kocurek, Clint

Massey, Danny

McCoy-Jackson, Sandra

Morris, Laura

Schaefer, Dan

Guest/Visitor:

Schwertner, Scott



Long-Range Facilities Planning Committee Meeting - April 10, 2014 at 6:00 PM

Name	Signature	
<u>MEMBER</u>		
Bass, Brooks		
Campos, Rev. Hector		
Cole, Marla		
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Koch, Jim		
Lindsey, Drew		
Martin, Jim		
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Long-Range Facilities Planning Committee
Meeting - April 10, 2014 at 6:00 PM

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HORSEMAN, ERY	
John Craig	John Crais
Jerry Adkins	Jerry Achi
Nancy Gardner	Mancy Dardner
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Ron Damian	(v)
Eddie Damian	
Laura Morris	·
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Long-Range Facilities Planning Committee Meeting - April 10, 2014 at 6:00 PM

GUEST/VISITOR	
South Schweitner MARIA ANDREWS	
MAKLA ANDREWS	member
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