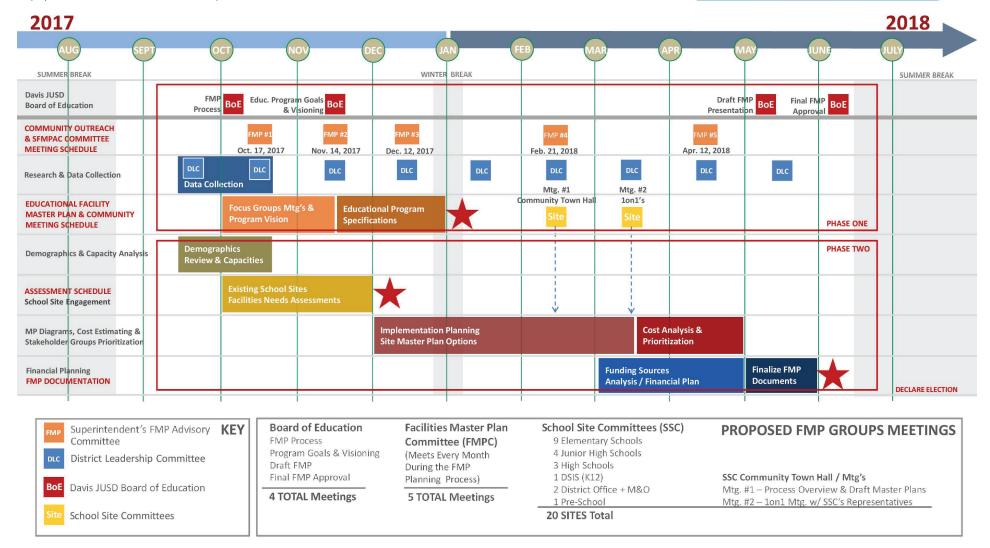


Davis Joint Unified School District

Facility Master Plan and Community Outreach Services – Proposed Program Schedule

(September 2017 – June 2018 Timeline)







DAVIS

Joint Unified School District

Student Population Forecast By Residence

School Year 2016/2017 Report

Forecast 2017/18 - 2026/27



Prepared by February 7, 2017

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The Davis Joint Unified School District has contracted with Davis Demographics & Planning, Inc. (DDP) to update and analyze demographic data relevant to the District's facility planning efforts. The scope of contracted work includes: mapping the District, address matching the current student file, developing and researching pertinent demographic data, identifying future residential development plans and developing a Ten year student population forecast. DDP will then assist the District in developing solutions for housing future student population. Additionally, this study was prepared to assist the District's efforts in evaluating future site requirements and attendance area changes.

The purpose of this report is to identify and inform the District of the trends occurring in the community; how these trends may affect future student population; and to assist in illustrating facility adjustments that may be necessary to accommodate the potential student population shifts. The District can then use this information to better plan for the need, location and timing of facility or boundary adjustments.

The Sources of Data section details where the two sources of data, geographic and nongeographic, are collected and how each data item is used in the Ten-year student population forecast model.

The Ten Year Projection Methodology section discusses in detail how the factors used in the study were calculated and why they were used. These factors include: the calculation of incoming kindergarten classes, additional students from new housing (referred to as student yield), the effects of student mobility, and a detailed review of planned residential development within the District.

The District Student Resident Projection Summary sections review the Fall 2016/17 student resident forecast results. Included in these sections are a district wide student population forecast summary and a projected resident student population summary for each existing attendance area and study area.

While reading this report, it is important to remember that this is a snapshot of current and potential student population based upon data gathered in Fall 2016/17. Population demographics change, development plans change, funding opportunities can change, District priorities can change, and therefore, new forecast and adjustments to the overall Master Plan will continue to be necessary in the future.

EXECUTIVE SUMMARY

From 2008/09 to 2009/10 the D.J.U.S.D. resident student population declined by 157 students. This decline was masked by an increase of 170 inter-district transfer students; resulting in a minimal net change in enrollment. This pattern was repeated from 2009/10 to 2010/11. Resident student population declined by 187 K-12 students while inter-district transfers increased by 118 students; resulting in a -0.8% decline net enrollment.

From 2010/11 to 2011/12 there was a slight change in the pattern. Residential population increased for the first time in three years. K-12 residential populations increased by 84 students, while the K-12 out of district population increased by 29 students. Taking into account a 29 student decrease in Independent Study students the D.J.U.S.D. had a net increase of 84 K-12 students.

Four of the last five school years has seen resident student population decline. From 2011/12 to 2016/17 resident student population declined by 255 K-12 students. Meanwhile, the number of out of district students increased by 269 students. Keeping overall enrollment relatively stable over this time frame. There was a 39 student increase in inter-district transfers from 2015/16 to 2016/17, slightly less than the five year average of 53.8.

An increase in positive mobility (positive net migration in) from 2015/16 to 2016/17 may point to a change in trend. While some families continue to relocate to areas outside of the District, more families are moving in rather than leaving. This positive net migration has helped keep the DJUSD enrollment near 8,500 for the last 10 years.

However, there has been a decline in area births. Between 2010 and 2014 there was an average of 501 births annually, leading to a decrease in kindergarten class enrollment. The previous four year time period (2006 to 2009) averaged 570 births per year. Without, positive net migration and, to a lesser extent, new housing units, the DJUSD would be experiencing overall declining enrollment.

Over the next three years (the 2017/18 to 2019/20 school years) the Davis Joint Unified School District is to forecast to experience a mild increase in enrollment, a total of about 50 TK-12 students. The increase can be attributed to positive net migration of resident students and new families moving into new housing. The following three year period (2020/21 to 2022/23) should be somewhat stable with small variation in enrollment. This is forecast to be followed by a few years of declining enrollment at the K-6 level (2023/24 to 2026/27).

It is important to remember that the further out a forecast goes, the greater margin of error is introduced. The declining enrollment at the tail end of the forecast is mainly a result of decreasing area births between 2010-2014 and the difficult task of forecasting future birth numbers. A change in the birth trend or an increase in residential development may alter the forecast.

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INTRODUCTION

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EXECUTIVE SUMMARY







SOURCES OF DATA

Geographic Map Data

Four geographic data layers were updated for use in the ten-year student population forecast:

- 1. Street Centerline Database
- 2. Study Areas
- 3. Schools
- 4. Students Historical and Current

1) Street Centerline Data

DDP has licensed a digital street centerline map of the School District from ETAK. The street database has associated attributes that contain, but are not limited to, the following fields; full street name, address range and street classification

The main function of the streets is in the geo-coding process of the student data. Each student is address matched to the streets by their given address. The geo-coding process places a point on the map for every student in the exact location of student residence. This enables DDP to analyze the student data in a geographic manner.

Another vital utilization of the digital street database is in the construction of study areas. Freeways, major streets and neighborhood streets are used as boundaries for the study areas.

2) Study Areas

Study areas are small geographic areas and the building blocks of a school district; they are similar to neighborhoods. Study areas are geographically defined following logical boundaries of the neighborhood, such as freeways, streets, railroad tracks, rivers, etc. Each study area is then coded with the elementary, junior high and high school that the area is assigned to attend. By gathering information at the study area level, a school district can closely monitor growth and demographic trends in particular regions and spot potential need for boundary changes or new facilities.

3) Schools

The District provided school facility location information to DDP for the purpose of mapping the District facilities.

4) Student Data

a. Historical Student Data - Historical enrollment is used to compare past student population growth and trends as well as the effects of mobility (move-in, move-out from existing housing) throughout the District. DDP utilized the 3 previous years' (2013/14, 2014/15 and 2015/16) address matched students as historical data.

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b. Current Student Data - A student data file geocoded approximately October 5th, 2016 summarized by grade level and by study area is used as a base for enrollment forecast. Existing students were categorized by study area through the address matching process that locates each student within a particular area based upon their given address. The forecast run each of the next ten years from fall 2017/18 through fall 2026/27.

The Student Accounting Summary (Table 1) indicates the total student enrollment as of October 5th, 2016 and the number of students used in the ten year student population forecast. The forecast model is based upon student residence and excludes students residing outside of the District's boundaries, students unable to be address matched and Independent Study students.

Student Accounting Summary	
School Year 2016/17 Actual Enrollment (10	(05/16)
Total Students Provided by District	8,574
Students Residing out of District	-750
Independent Study Students	-123
Transitional Kindergarten Students	-80
Unmatched Students	-3
Students used in Residential Projections -	7,618
Students Residing out of District	750
Independent Study Students	123
Transitional Kindergarten Students	80
Unmatched Students	3
D.J.U.S.D. 2016/17 K-12 Enrollment -	8,574

Non-Geographic Data

Two basic sets of non-geographic data were compiled and reviewed for use in the ten-year student population forecast by residence:

- 1. Births by Zip Code
- 2. Mobility Factors

1) Births by Zip Code Data - Birth data by postal zip code was obtained from the California State Department of Health for the years 1994-2015 and roughly correlated to the Davis Joint Unified School District. Past changes in historical birthrates are used to estimate incoming kindergarten student population from existing housing.

2) Mobility Factors - Mobility refers to the increase/decrease in the migration of students within the District boundaries (move-in/move-out of students from existing housing). Mobility, similar to a cohort, is applied as a percentage of increase/decrease among each grade for every year of the forecast

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TEN YEAR PROJECTION METHODOLOGY

The forecast methodology used in this study combines historical student population figures, past and present demographic characteristics, and planned residential development to forecast future student population at the study area level. District-wide forecast are summarized from the individual study area forecast. These forecast are based on where the students reside and their school of residence. DDP utilizes, the actual location of where the students reside, as opposed to their school of enrollment, in order to provide the most accurate estimate of where future school facilities should be located. The best way to plan for future student population shifts is to know where the next group of students will reside. The following details the methodology used in preparing the student population forecast by residence.

2016/17 Forecast Report

Ten-Year Forecast

Forecast are calculated out ten years from the date of forecast for several reasons. The planning horizon for any type of facility is typically no less than five years, often longer. Ten years are sufficient to adequately plan for a student population shift and facility restructuring. It is a short to midterm solution for planning needs. Forecast beyond Ten years are based on speculation due to the lack of reliable information on birthrates, new home construction, economic conditions etc.

Why Forecast are Calculated by Residence

Typically, school district forecast are based on enrollment by school. However, this method is inadequate when used to locate future school facility requirements, because the location of the students is not taken into consideration. A school's enrollment can fluctuate due to variables in the curriculum, program changes, school administration and open enrollment policies. These variables can skew the apparent need for new or additional facilities in an area.

The method used by DDP is unique because it modifies a standard cohort forecast with demographic factors and actual student location. DDP bases it's forecast on the belief that school facility planning is more accurate when facilities are located where the greatest number of students reside.

The following details the methodology used in preparing the student population forecast.

1) Progression - Each year of the forecast, 12th grade students graduate and continuing students progress through to the next grade level and kindergarten students start school. This normal progression of students is modified by the following factors:

2) Incoming Kindergarten - Live birth data, reported to the California State Department of Health, by the resident postal zip code of the mother is used to project the base incoming kindergarten class. Additional kindergarten students may be added from future development. DDP uses birth data by zip code so, if need be, a different birth factor can be applied to various areas of the District.

Incoming kindergarten classes, for existing homes, are estimated by comparing changes in past births and birthrates. Table 2 shows the total births for each zip code in the Davis Joint Unified School District from 1994 to 2014. Future kindergarten classes (2017/18-2026/27) are estimated by multiplying the existing kindergarten class (2016/17) by the ratio of the projected year's births to the 2010 births. Assuming that the fall 2016/17 kindergarten class was born in 2010, DDP compared the total births in 2010 to the total births in 2011 to determine a factor for next year's kindergarten class (fall 2017/18). Similarly, 2010 was compared to 2012 (fall 2018/19 K class), 2010 to 2013 (fall 2019/20 K class) and 2010 to 2014 (Fall 2020/21 K class).

		Birth by 2	Zip Code		
		95616 & 95618	Change		
	1994	565	117.0%		
	1995	555	114.9%		
	1996	555	114.9%		
	1997	548	113.5%		
	1998	591	122.4%		
	1999	581	120.3%		
	2000	637	131.9%		
	2001	637	131.9%		
Y	2002	622	128.8%		
e e	2003	632	130.8%		
a	2004	600	124.2%		
ī	2005	556	115.1%		
1	2006	607	125.7%		
	2007	558	115.5%		
	2008	580	120.1%		
	2009	533	110.4%		
	2010	496	102.7%	Incoming K	Year of
	2011	483	BASE	Projection	Projection
	2012	524	108.5%	1.085	2017/18
	2013	497	102.9%	1.029	2018/19
	2014	488	101.0%	1.010	2019/20
				1.020	2020/21
				1.020	2021/22
				1.020	2022/23
				1.020	2023/24
				1.020	2024/25
				1.020	2025/26
				1.020	2026/27

Com	parison of Birth	s vs. Kindergarte	n
Birth Year/K Year	Birth Total	K Class**	% of Births
1995 / 2000	555	637	114.8%
1996 / 2001	555	587	105.8%
1997 / 2002	548	657	119.9%
1998 / 2003	591	573	97.0%
1999 / 2004	581	564	97.1%
2000 / 2005	637	582	91.4%
2001 / 2006	637	578	90.7%
2002 / 2007	622	555	89.2%
2003 / 2008	632	599	94.8%
2004 / 2009	600	556	92.7%
2005 / 2010	556	566	101.8%
2006 / 2011	607	560	92.3%
2007 / 2012	558	511	91.6%
2008 / 2013*	580	528	91.0%
2009 / 2014*	533	576	108.1%
2010 / 2015*	496	572	115.3%
2011 / 2016*	483	522	108.1%
Total	9,771	9,723	99.5%

*Does not include TK Students

**Includes K students residing outside of the district boundaries

Table 2- Birth Data

Beginning in fall 2012 the District implemented the first year of California's new transitional kindergarten (TK) program. In this new program, which was fully implemented in fall 2014, a child will be eligible for Transitional kindergarten if their 5th birthday is between September 2nd and December 2nd. The state is allowing district's to "phase in" the eligibility months by adding one month per year until full implementation at fall 2017/18 when the district must accept all students born after September 2nd. At this time DDP's Student Population Forecast model does not account for TK students. To project TK students DDP will apply the ratio of change in K to the TK students.

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A net increase or decrease of zero students over time is represented by a factor of 100%. A net student loss is represented by a factor less than 100% (1.00) and a net gain by a factor greater than 100% (1.00) (see example).

Example:

82 K grade students in fall 2016/17
K 101% (1st Grade mobility Birch Lane E.S.)
83.2 1st Grade students in fall 2017/18

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Att	tendance A	rea Birch Lan	e ES		Proj	ection Date	10/7/2015
	ACTUAL		PRO	JECTED RES	IDENT STUDE	NTS	
_	2016	2017	2018	2019	2020	2021	2022
к	82	90.6	86.0	84.9	86.2	85.8	85.8
1	82	83.2	91.5	87.0	85.9	86.2	85.8
2	101	84.0	85.0	93.4	88.8	86.7	87.1
3	91	108.3	90.0	91.1	100.0	94.1	91.9
4	87	92.2	109.3	91.0	92.0	100.0	94.1
5	97	89.1	94.1	111.3	92.9	92.9	101.0
6	87	100.1	91.8	96.9	114.5	94.7	94.8
		101%	101%	106%	100%	101%	102%

Birch Lane E.S.	K> G1	G1> G2	G2> G3	G3> G4	G4> G5	G5> G6
	101%	101%	106%	100%	101%	102%

Having historical student data categorized by study area is extremely helpful in calculating accurate Student Mobility Factors. The sampling used was taken over a four-year period (student data from 2013/14 through 2016/17) and three yearly groupings were calculated. For example, a comparison was made for the fall 2013/14 K student population to the fall 2014/15 1st grade students. This comparison was also conducted for the fall 2014/15 & fall 2015/16, and the fall 2015/16 & fall 2016/17 students.

	Davis Joint Union School District												
	Mobility by Elementary Attendance Area 2013/14 - 2016/17 K→G1 G1→G2 G2→G3 G3→G4 G4→G5 G5→G6 G6→G7 G7→G8 G8→G9 G9→G10 G10→G11 G11→G1												
Birch Lane E.S.	101%	101%	106%	100%	101%	102%	112%	95%	104%	101%	97%	96%	
Korematsu E.S.	105%	103%	99%	106%	100%	101%	97%	98%	92%	103%	93%	98%	
Montgomery E.S.	104%	104%	104%	98%	103%	98%	103%	98%	99%	96%	90%	97%	
North Davis E.S.	92%	100%	99%	98%	105%	99%	105%	105%	98%	106%	107%	105%	
Patwin E.S.	113%	105%	100%	111%	97%	103%	108%	103%	99%	95%	98%	100%	
Pioneer E.S.	108%	104%	107%	102%	102%	102%	98%	102%	101%	98%	98%	96%	
Willett E.S.	109%	103%	102%	100%	101%	101%	105%	97%	115%	98%	100%	94%	

Table 3- Mobility

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SECTION 6



4) Planned Residential Development —Planned residential development data is collected to determine the number of new residential units that will be built over the ten-year time frame of the student population forecast. The projected units within the next ten years will have the appropriate Student Yield Factor, Table 5, applied to them to determine the number of new students planned residential development will yield.

This data was obtained through discussions with the major developers within the District boundaries, the planning department of the City of Davis, the planning department of Yolo County, planning officials at U.C. Davis and District officials. A database map of the planned residential development was created, including, when available, project name, location, housing type, total number of units and estimated move-in dates (phasing schedule). Projected phasing is based upon occupancy of the unit and is used to help time the arrival of students from these new developments.

In the student population forecast by residence DDP includes all approved and tentative tract maps in addition to any planned or proposed development that possibly will occur within the forecast timeframe. The planned residential development information and phasing estimates is a snapshot of the District at the time of this study. All of the Information may change and should be updated annually (see Table 4).

Study Area	Project Name	Туре	Total Units	Developer	Area
30	Grande Village	SFD	41	Don Fouts	
42A	Mission Residences	SFA	14	City	
46A	Bartlett at Cannery	APT	62	CFY Development	Cannery
46A	Beech 1/2 The Cannery	SFD	42	Standard Pacific	Cannery
46A	Beech 2/2 The Cannery	SFD	30	Standard Pacific	Cannery
46A	Gala The Cannery	MFA	48	New American Homes	Cannery
46A	Gala The Cannery	MFA	48	New American Homes	Cannery
46A	Heirloom 1/2 The Cannery	MFA	42	New Home Company	Cannery
46A	Heirloom 2/2 The Cannery	MFA	30	New Home Company	Cannery
46A	Persimmon 1/2	SFD	22	Shea Homes	Cannery
46A	Persimmon 2/2	SFD	22	Shea Homes	Cannery
46A	Sage 1/2 The Cannery	SFD	69	New Home Company	Cannery
46A	Sage 2/2 The Cannery	SFD	4	New Home Company	Cannery
46A	Tilton 1/2 The Cannery	SFD	38	Shea Homes	Cannery
46A	Tilton 2/2 The Cannery	SFD	38	Shea Homes	Cannery
61A	Del Rio Live Work	SFA	16	City	
66B	Paso Fino Subdivision	SFD	6	City	
85	Villages At Willow Creek	SFD	35	Ray Ferrarini	
104A	Berry Bridge Cottages	SFD	8	City	

Table 4- Planned Residential Development

Note: The development list includes projects that occupancy will begin in the ten year time period of the enrollment forecast. Some future projects may not be included if they do not fall in this time frame. Total Units reflect the number of approved units for the project not the remaining units to be built. West Village UC Davis and Nishi/Downton Davis were removed from forecast due to focus on college students with few school age children expected to move in.

APPLYING THE VARIABLES TO GENERATE THE FORECAST

The following paragraphs summarize how DDP uses the factors to determine the student population forecast. Remember that these forecast are based on residence.

The Davis Joint Unified School District has been broken up into 247 study areas and each study area is coded for the elementary, junior high and high school attendance area in which it falls. The residential forecast are calculated at the study area level. This means that DDP conducts 247 individual forecast that are based upon the number of students residing in each study area.

The first step in running these forecast involve listing the number of students that live in a particular study area by each individual grade (kindergarten through 12th grade). The current student base (Fall 2016/17) is then passed onto the next year's grade (2016/17's K become 2017/18's 1st graders, 2016/17's 1st graders become 2017/18's 2nd graders, and so on). After the natural progression of students through the grades is applied, then Birth Factors are multiplied by the current kindergarten class to generate a base for the following year's kindergarten class. Discussion on Transitional Kindergarten methodology is on page 4.

Next, a Mobility Factor is applied to all grades. Again, these factors take into account the natural in/out migration of students throughout the District.

The last essential layer applied to the forecast deals with additional students from planned residential development. This is a simple calculation, again conducted at the study area level, where the estimated number of new housing units for a particular year is multiplied by the appropriate Student Yield Factors. For example, if 100 single family detached (SFD) units are to be built in a specific study area in a given year, then you would multiply this number (100) by the SFD K-6 student yield factor (.418) and the resulting number of students (41.8) is divided evenly among the seven grades

To finish generating the forecast by residence, the same process is conducted for each of the 247 study areas. Once the forecast have been run at the study area level, then it is simple addition to determine forecast for each of the District's attendance areas or for a districtwide summary. For example, the student population forecast for Davis Senior High School are simply the summary of all of the study areas that make up this specific attendance area.

The District Summary for the forecast (Section 3) is a total summary of all 247 study areas, which excludes all of the students that attend a District school but live completely outside of the District's boundaries, are unmatched due to incorrect address information and independent study students. These out-of-district, unmatched and independent study students are factored back into the forecast by simply adding the existing totals in at the bottom of the forecast (please see the Attendance Matrices in Section 2 for a breakdown of the out-of-district, unmatched and independent study students by school). DDP adds the current total out-of-district, unmatched students and independent study students to each year of the forecast because there is no way to accurately forecast these students in the future.



2016/17 Forecast Report

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ATTENDANCE MATRICES

Three attendance matrices have been included to provide a better understanding of where students reside and where they attend school. Remember, DDP forecast are based upon where the students reside, not where they attend school. DDP uses the actual location of where the students reside, as opposed to their school of enrollment, in order to provide the most accurate prediction of future facilities adjustments. Therefore, since the forecast are based upon where the students reside, the figures used as a base for each school's resident forecast may differ from the actual reported enrollment for each school.

These attendance matrices act as a check and balance for student accounting. They show where the students reside (in what School of Residence) based upon our address matching capabilities and what school they attend (School of Attendance) based upon data in the student file supplied by the District. The inclusion of these matrices is essential to showing how the students used in the forecast match up to the District's records of enrollment for each school. The best way to plan for future facilities changes is to know where the next group of students will be residing, not necessarily which school they are currently attending.

Looking at the K-6 Elementary School Attendance Matrix below, let's begin with Birch Lane as an example. Following down the first column with the Birch Lane heading, there are 388 K-6 grade students who attend Birch Lane and reside in the Birch Lane attendance area. Continuing downward, 59 students attend Birch Lane that resides in the Korematsu attendance area. Next the matrix shows that 25 students attend Birch Lane and reside in the Montgomery's attendance area, and so on.

The row Out of District refers to students who live completely outside of the Davis Joint Unified School District, but attend one of the District's schools. There are 37 Out of District students attending Birch Lane. Total Attendance shows the total number of students attending a school regardless of where they reside, and reflects the District's enrollment counts for each school. There are a total of 609 students attending Birch Lane.

The next step is to read across the matrix, beginning with the Birch Lane attendance area row. We understand that the 388 represents the total number of K-6 grade students that reside in the Birch Lane attendance area and attend Birch Lane. The next column, Korematsu, refers to the number of K-6 grade students that reside in the Birch Lane attendance area, but attend Korematsu. There are currently 26 students that reside in the Birch Lane attendance area and attend Korematsu.

The Total Residence column is the total number of students living in each particular attendance area. There are 627 K-6 students residing in the Birch Lane attendance area. The Total Attendance row is the actual number of students used as the base or actual number for each attendance area in the Fall 2016/17 forecast

ELEMENTARY SCHOOL (GRADES K-6) ATTENDANCE MATRIX

					Scho	ool of Attenda	ance					
										Total		% Residence
	Birch Lane	Korrematsu	Montgomery	North Davis	Patwin	Pioneer	Willett	Chavez	Fairfeild	Residence	Ind. Study	Attending*
Birch Lane	388	103	26	23	34	3	17	33	0	627	3	62%
Korematsu	59	78	369	24	29	6	27	21	0	613	7	13%
Montgomery	25	32	14	260	8	5	59	14	1	418	2	3%
North Davis	52	147	14	22	397	17	6	33	13	701	2	3%
Patwin	11	78	4	4	10	313	5	75	16	516	2	2%
Pioneer	24	36	9	75	10	6	350	5	1	516	1	1%
Willett	12	135	7	7	15	29	2	303	12	522	0	0%
Out of District	37	22	35	31	16	56	43	19	2	261	3	
Unmatched	1	0	1	0	0	0	0	0	0	2	0	
Transitional K	0	21	21	14	24	0	0	0	0	80	0	
Total Attendance	609	652	500	460	543	435	509	503	45	4,256	20	Total 2016/17 TF 4,276
Transfer Students	221	574	486	438	533	429	507	503	45	3,736		
% of Total	36%	88%	97%	95%	98%	99%	100%	N/A	N/A	88%		

JUNIOR HIGH (GRADES 7-9) ATTENDANCE MATRIX

	School of Attendance												
		Emerson	Harper	Holmes	DaVinci	Total Residence	Ind. Study	% Residence Attending*					
R sc	Emerson	290	15	91	74	470	7	62%					
School of Residence	Harper	82	525	130	46	783	6	67%					
हु द	Holmes	61	49	444	73	627	8	71%					
	Out of District	29	47	78	98	252	8						
	Unmatched	0	0	1	0	1	0						
	Total Attendance	462	636	744	291	2,133	29	Total 2015/16 7-9 2,162					
	Transfer Students	172	111	300	291	874							
	% of Total	37%	17%	40%	NA	41%							

HIGH SCHOOL (GRADES 10-12) ATTENDANCE MATRIX

	School of Attendance											
		Davis Senior	DaVinci HS	King HS	Total Residence	Ind. Study	% Residence Attending					
	Davis Senior High	1,561	222	42	1,825	65	86%					
Scho	Out of District	144	82	11	237	9						
ol of	Unmatched	0	0	0	0	0						
Residence	Total Attendance	1,705	304	53	2,062	74	Total 2015/16 10-12 2,136					
	Transfer Students	144	304	53	501							
	% of Total	8%	N/A	N/A	24%							

February 7, 2017









TEN YEAR PROJECTION SUMMARIES

Finally, the student population is projected out ten years for each of the study areas and for the entire Davis Joint Unified School District. The District Wide forecast summaries enable the District to see a broad overview of future student population and what impact this population will have on existing facilities. The study area listings enable the District to monitor student population growth or decline in smaller geographic areas within the District.

At any point in time, study areas and their projected resident students can be shifted between schools to assist in balancing enrollment changes. Together, these forecast summaries present the means to identify the timing of student arrivals and overall facility requirements, as well as location in order to accommodate the District's expected population shift

One of the most difficult portions of any forecast is anticipating the timing of new housing unit occupation. This can be further complicated as proposed development is going through the approval process. With this in mind DDP and District staff decided to create two different forecast based upon new residential development. In the following pages there are an Aggressive Development and Conservative Development forecast, along with a Baseline forecast with no development.

February 7, 2017



Davis Joint Unified School District 2016/17 Projection Report

									Г	oistrict l	Projecti	on Sun	mary										
										Projec	tion Date	10/05/20											
	r					Historic							Base File					Proje	_				
	тк	2005/06	2006/07	2007/08	2008/09	2009/10	2010/11	2011/12	2012/13 56	2013/14 74	2014/15 91	2015/16 65	2016/17 80	2017/18 84.1	2018/19 83.1	2019/20 81.8	2020/21 81.2	2021/22 81.2	2022/23 81.2	2023/24 81.1	2024/25 81.1	2025/26 81.1	2026/27 81.1
	ı K	564	556	540	579	536	520	551	486	498	560	539	494	519.4	513.3	505.4	501.3	501.2	501.2	501.0	501.0	501.0	501.0
	1	567	582	565	582	594	533	550	583	511	533	580	537	510.6	536.1	530.1	521.0	515.4	514.8	514.4	514.2	514.2	514.2
	2	584	560	601	588	582	582	540	533	591	526	551	588	554.1	526.2	552.8	545.7	535.0	528.7	527.6	527.2	527.0	527.0
	3	658	599	581	594	577	563	626	562	547	597	543	563	604.8	569.2	540.3	566.4	557.9	546.3	539.5	538.5	538.0	537.8
	4	591	666	596	584	594	592	568	612	557	564	618	540	579.4	619.8	582.6	552.8	578.0	568.7	556.6	549.7	548.6	548.2
	5	677	592	676	625	586	609	615	582	622	573	562	631	550.4	588.9	631.2	593.6	561.9	586.8	576.9	564.5	557.5	556.4
	6	626	670	604	686	618	591	617	608	584	627	582	560	640.1	557.9	597.9	639.4	599.2	566.8	591.5	581.6	569.1	562.1
	7	664	657	668	632	680	614	609	620	628	605	641	614	587.5	669.3	584.6	625.8	668.1	623.6	590.6	616.4	606.0	593.0
	8	663	631	646	668	627	672	633	601	620	605	620	640	617.4	590.6	672.6	586.4	626.7	667.0	622.7	590.4	616.1	605.7
	10	646 651	665 684	637 670	655 661	662 657	617 663	690 634	630 682	620 629	617 630	611 605	626 612	646.5 627.5	619.8 648.1	597.7 623.4	681.9 599.5	592.1 682.1	631.8 593.0	674.3 630.7	628.2 674.3	595.0 628.8	620.9 596.5
	10	675	649	697	686	664	652	675	618	662	596	615	612	600.5	614.9	637.4	614.2	592.1	672.5	583.7	620.3	664.1	619.2
	12	606	678	636	663	669	651	635	666	598	655	585	601	604.0	592.9	606.3	628.4	607.2	584.6	661.8	574.8	611.1	653.6
SubTotal	TK-6	4,267	4,225	4,163	4,238	4,087	3,990	4,067	4,022	3,984	4,071	4,040	3,993	4042.9	3994.5	4022.1	4001.4	3929.8	3894.5	3888.6	3857.8	3836.5	3827.8
(Resident	7-9	1,973	1,953	1,951	1,955	1,969	1,903	1,932	1,851	1,868	1,827	1,872	1,880	1851.4	1879.7	1854.9	1894.1	1886.9	1922.4	1887.6	1835.0	1817.1	1819.6
Students)	10-12	1,932	2,011	2,003	2,010	1,990	1,966	1,944	1,966	1,889	1,881	1,805	1,825	1832.0	1855.9	1867.1	1842.1	1881.4	1850.1	1876.2	1869.4	1904.0	1869.3
	TK-12	8,172	8,189	8,117	8,203	8,046	7,859	7,943	7,839	7,741	7,779	7,717	7,698	7726.3	7730.1	7744.1	7737.6	7698.1	7667.0	7652.4	7562.2	7557.6	7516.7
	TK-6	6	10	11	4	0	0	0	0	3	2	3	2	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Unmatched	7-9 10-12	4	3	6	3	0	0	0	0	1	1	1	0	1.0 0.0	0.0	1.0 0.0	0.0	1.0 0.0	1.0 0.0	0.0	1.0 0.0	0.0	1.0 0.0
	TK-12	13	14	18	8	2	0	0	0	6	6	6	3	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
				10					•					0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	TK-6	62	106	75	90	172	223	219	260	266	258	243	261	261.0	261.0	261.0	261.0	261.0	261.0	261.0	261.0	261.0	261.0
Out of	7-9	34	35	33	43	80	97	123	188	211	232	230	252	252.0	252.0	252.0	252.0	252.0	252.0	252.0	252.0	252.0	252.0
District	10-12	93	66	35	31	82	132	139	149	189	214	238	237	237.0	237.0	237.0	237.0	237.0	237.0	237.0	237.0	237.0	237.0
	TK-12	189	207	143	164	334	452	481	597	666	704	711	750	750.0	750.0	750.0	750.0	750.0	750.0	750.0	750.0	750.0	750.0
	TK-6	36	37	28	38	31	33	29	23	22	24	19	20	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
Independent Study	7-9 10-12	58 89	59 100	45 98	38 83	38 75	36 79	24 66	26 64	24 67	28 75	24 76	29 74	29.0 74.0									
	10-12 TK-12	183	196	171	159	144	148	119	113	113	127	119	123	123.0	123.0	123.0	123.0	123.0	123.0	123.0	123.0	123.0	123.0
	1 K-12	100	130	- 171	100	144	140	110	110	110	121	113	120	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
Total	TK-6	4,371	4,378	4,277	4,370	4,292	4,246	4,315	4,305	4,275	4,356	4,305	4,276	4325.9	4277.5	4305.1	4284.4	4212.8	4177.5	4171.6	4140.8	4119.5	4110.8
Enrollment	7-9	2,068	2,048	2,030	2,037	2,087	2,036	2,079	2,065	2,105	2,089	2,128	2,162	2133.4	2161.7	2136.9	2176.1	2168.9	2204.4	2169.6	2117.0	2099.1	2101.6
	10-12 TK 40	2,118	2,180	2,142	2,127	2,147	2,177	2,149	2,179	2,146	2,171	2,120	2,136	2143.0	2166.9	2178.1	2153.1	2192.4	2161.1	2187.2	2180.4	2215.0	2180.3
	TK-12	8,557	8,606	8,449	8,534	8,526	8,459	8,543	8,549	8,526	8,616	8,553	8,574	8602.3	8606.1	8620.1	8613.6	8574.1	8543.0	8528.4	8438.2	8433.6	8392.7
Change			49	-157	85	-8	-67	84	6	-23	90	-63	21	28.3	3.8	14.0	-6.6	-39.5	-31.1	-14.5	-90.2	-4.6	-40.9
			0.6%	-1.8%	1.0%	-0.1%	-0.8%	1.0%	0.1%	-0.3%	1.1%	-0.7%	0.2%	0.6%	0.0%	0.2%	-0.1%	-0.5%	-0.4%	-0.2%	-1.1%	-0.1%	-0.5%

SECTION 6

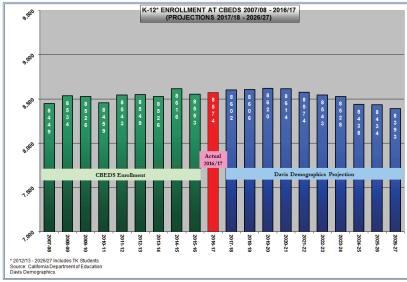
2/7/2017

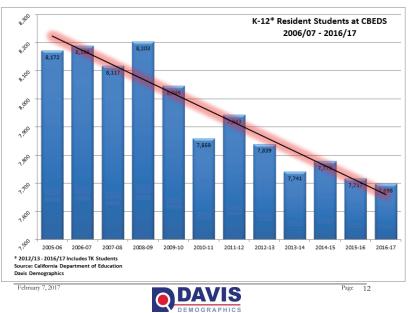


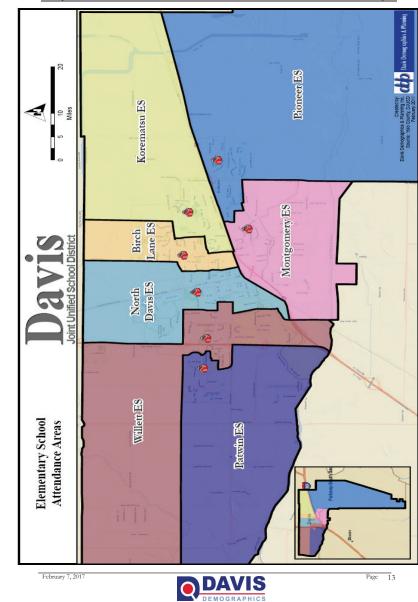




2016/17 Forecast Report









Elementary School Forecast by Residence

Attendan	ce Area	Birch Lane	ES						Proje	ction Date	10/5/2016
	CURRENT				PROJ	ECTED RES	DENT STUD	DENTS			
	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26	2026/27
TK	9	9.4	9.3	9.1	9.0	9.0	9.0	9.0	9.0	9.0	9.0
	82	86.0	84.6	83.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2
	82	82.3	86.0	84.6	83.0	82.2	82.2	82.2	82.2	82.2	82.2
	101	83.1	83.1	86.9	85.5	83.8	83.0	83.0	83.0	83.0	83.0
	91	107.4	88.1	88.1	92.1	90.6	88.8	88.0	88.0	88.0	88.0
	87	91.3	107.4	88.1	88.1	92.1	90.6	88.8	88.0	88.0	88.0
	97	88.2	92.2	108.5	89.0	89.0	93.0	91.5	89.7	88.8	88.8
	87	99.2	89.9	94.1	110.6	90.8	90.8	94.8	93.3	91.5	90.6
TK-6	636	646.9	640.6	642.4	639.5	619.7	619.6	619.5	615.4	612.7	611.8

Attendan	ce Area	Korematsu	ES						Proje	ction Date	10/5/2016
	CURRENT				PROJ	ECTED RES	DENT STUD	ENTS			
	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26	2026/27
TK	13	13.6	13.4	13.1	13.0	13.0	13.0	13.0	13.0	13.0	13.0
	77	80.5	79.3	77.8	77.0	77.0	77.0	77.0	77.0	77.0	77.0
	84	80.9	84.5	83.3	81.7	80.9	80.9	80.9	80.9	80.9	80.9
	90	86.5	83.3	87.0	85.8	84.1	83.3	83.3	83.3	83.3	83.3
	87	89.1	85.7	82.4	86.2	84.9	83.3	82.4	82.4	82.4	82.4
	92	92.2	94.4	90.8	87.4	91.3	90.0	88.3	87.4	87.4	87.4
	95	92.0	92.2	94.4	90.8	87.4	91.3	90.0	88.3	87.4	87.4
	88	95.9	92.9	93.1	95.4	91.7	88.3	92.2	90.9	89.1	88.3
TK-6	626	630.7	625.7	621.9	617.3	610.3	607.1	607.1	603.2	600.5	599.7

Attendan	ce Area	Montgome	ry ES						Proje	ction Date	10/5/2016
	CURRENT				PROJ	ECTED RESI	DENT STUD	ENTS			
	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26	2026/27
TK	10	10.5	10.3	10.1	10.0	10.0	10.0	10.0	10.0	10.0	10.0
	51	53.3	52.5	51.5	51.0	51.0	51.0	51.0	51.0	51.0	51.0
	67	53.0	55.4	54.6	53.6	53.0	53.0	53.0	53.0	53.0	53.0
	60	69.7	55.2	57.6	56.8	55.7	55.2	55.2	55.2	55.2	55.2
	62	62.4	72.5	57.4	59.9	59.1	57.9	57.4	57.4	57.4	57.4
	59	60.8	61.2	71.0	56.2	58.8	57.9	56.8	56.2	56.2	56.2
	63	60.8	62.6	63.0	73.1	57.9	60.5	59.6	58.5	57.9	57.9
	56	61.7	59.6	61.3	61.7	71.7	56.7	59.3	58.5	57.3	56.7
TK-6	428	432.2	429.3	426.5	422.3	417.2	402.2	402.3	399.8	398.0	397.4

Attendand	ce Area	North Davi	s ES						Proje	ction Date	10/5/2016
	CURRENT				PROJ	ECTED RES	DENT STUE	DENTS			
	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26	2026/27
TK	15	16.0	15.9	15.9	15.8	15.8	15.8	15.8	15.8	15.8	15.8
	115	122.4	122.1	121.7	121.2	121.2	121.2	121.0	121.0	121.0	121.0
	103	107.9	114.9	115.1	113.8	112.4	111.9	111.5	111.3	111.3	111.3
	100	105.2	110.3	117.9	117.1	114.8	112.8	111.9	111.5	111.3	111.3
	88	101.2	106.6	112.2	118.7	116.9	114.0	111.6	110.8	110.4	110.2
	87	88.4	101.6	107.4	111.9	117.3	115.0	111.7	109.4	108.5	108.2
	105	93.7	95.5	109.8	114.9	118.5	123.6	120.7	117.3	114.9	114.0
	103	106.2	95.2	97.4	110.7	114.7	117.8	122.3	119.5	116.2	113.7
TK-6	716	741.0	762.1	797.4	824.1	831.6	832.1	826.5	816.6	809.4	805.5

Does not include special education students, independent study students and students residing outside of D.J.U.S.D. boundaries

Elementary School Forecast by Residence

Davis Joint Unified School District

Attendan	ce Area	Patwin ES							Proje	ction Date	10/5/2010
	CURRENT				PROJ	ECTED RESI	DENT STUD	ENTS			
	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26	2026/27
TK	16	16.7	16.5	16.2	16.0	16.0	16.0	16.0	16.0	16.0	16.0
	56	58.5	57.7	56.6	56.0	56.0	56.0	56.0	56.0	56.0	56.0
	61	63.3	66.1	65.2	63.9	63.3	63.3	63.3	63.3	63.3	63.3
	78	64.0	66.4	69.4	68.4	67.1	66.4	66.4	66.4	66.4	66.4
	86	78.0	64.0	66.4	69.4	68.4	67.1	66.4	66.4	66.4	66.4
	69	95.5	86.6	71.1	73.8	77.1	76.0	74.5	73.8	73.8	73.8
	83	66.9	92.6	84.0	69.0	71.5	74.8	73.7	72.3	71.5	71.5
	83	85.5	68.9	95.4	86.5	71.0	73.7	77.0	75.9	74.4	73.7
TK-6	532	528.4	518.8	524.3	503.0	490.4	493.3	493.3	490.1	487.8	487.1

Attendan	ce Area	Pioneer ES							Proje	ction Date	10/5/2016
	CURRENT				PROJ	ECTED RESI	DENT STUD	ENTS			
	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26	2026/27
TK	11	11.6	11.5	11.3	11.2	11.2	11.2	11.2	11.2	11.2	11.2
	53	56.0	55.2	54.3	54.0	53.9	53.9	53.9	53.9	53.9	53.9
	68	57.9	60.8	60.0	59.0	58.4	58.2	58.2	58.2	58.2	58.2
	77	71.3	60.5	63.5	62.7	61.4	60.7	60.5	60.5	60.5	60.5
	79	83.0	76.7	65.1	68.3	67.1	65.7	64.9	64.8	64.7	64.7
	74	81.2	85.0	78.5	66.7	69.8	68.5	67.0	66.2	66.1	66.0
	97	76.1	83.1	87.0	80.4	68.1	71.2	69.9	68.4	67.6	67.4
	68	99.6	77.9	85.1	89.1	82.1	69.5	72.6	71.3	69.8	68.9
TK-6	527	536.7	510.7	504.8	491.4	472.0	458.9	458.2	454.5	452.0	450.8

Attendan	ce Area	Willett ES							Proje	ction Date	10/5/201
	CURRENT				PROJ	ECTED RESI	IDENT STUE	ENTS			
	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26	2026/27
TK	6	6.3	6.2	6.1	6.0	6.0	6.0	6.0	6.0	6.0	6.0
	60	62.7	61.8	60.6	60.0	60.0	60.0	60.0	60.0	60.0	60.0
	72	65.4	68.3	67.4	66.1	65.4	65.4	65.4	65.4	65.4	65.4
	82	74.2	67.4	70.4	69.4	68.0	67.4	67.4	67.4	67.4	67.4
	70	83.6	75.6	68.7	71.8	70.8	69.4	68.7	68.7	68.7	68.7
	72	70.0	83.6	75.6	68.7	71.8	70.8	69.4	68.7	68.7	68.7
	91	72.7	70.7	84.5	76.4	69.4	72.5	71.5	70.1	69.4	69.4
	75	91.9	73.4	71.4	85.3	77.2	70.1	73.2	72.2	70.8	70.1
TK-6	528	526.8	507.0	504.7	503.7	488.6	481.6	481.6	478.5	476.4	475.7

Does not include special education students, independent study students and students residing outside of D.J.U.S.D. boundaries

February 7, 2017



2016/17 Forecast Report



February 7, 2017



2016/17 Forecast Report

Secondary School Forecast by Residence

Attendance	e Area	Emerson J	4S						Proje	ction Date	10/5/2016
	CURRENT				PROJ	ECTED RES	IDENT STUD	ENTS			
	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26	2026/27
TK	22	23.0	22.7	22.2	22.0	22.0	22.0	22.0	22.0	22.0	22.0
	116	121.2	119.5	117.2	116.0	116.0	116.0	116.0	116.0	116.0	116.0
	133	128.7	134.5	132.5	130.0	128.7	128.7	128.7	128.7	128.7	128.7
2	160	138.2	133.8	139.8	137.8	135.1	133.8	133.8	133.8	133.8	133.8
3	156	161.6	139.7	135.2	141.2	139.2	136.5	135.2	135.2	135.2	135.2
4	141	165.5	170.2	146.7	142.5	148.9	146.7	143.9	142.5	142.5	142.5
	174	139.7	163.3	168.5	145.4	140.9	147.3	145.2	142.3	140.9	140.9
	158	177.4	142.4	166.8	171.8	148.2	143.8	150.2	148.1	145.2	143.8
	141	168.4	188.8	151.6	178.0	183.0	157.7	153.2	160.1	157.8	154.7
	162	141.3	168.7	188.7	151.5	178.8	183.1	157.6	153.4	160.3	158.0
	167	172.2	150.1	179.3	201.8	161.9	188.7	195.2	168.6	163.2	170.6
TK-9	1,060	1,055.3	1,026.1	1,028.9	1,006.7	979.0	974.8	975.0	968.6	964.3	962.9
7-9	470	481.9	507.6	519.6	531.3	523.7	529.5	506.0	482.1	481.3	483.3

Attendan	ice Area	Harper JHS							Proje	ction Date	10/5/2016
	CURRENT				PRO	ECTED RES	IDENT STUE	DENTS			
	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26	2026/27
TK	34	35.7	35.1	34.5	34.2	34.2	34.2	34.2	34.2	34.2	34.2
	181	189.8	187.1	183.6	182.0	181.9	181.9	181.9	181.9	181.9	181.9
	219	191.8	200.7	197.9	194.2	192.2	192.1	192.1	192.1	192.1	192.1
	227	227.5	199.0	208.2	205.3	201.3	199.1	199.0	198.9	198.9	198.9
	228	234.5	234.8	204.9	214.4	211.2	206.9	204.7	204.6	204.5	204.5
	225	234.2	240.6	240.3	210.3	219.8	216.4	212.1	209.8	209.7	209.6
	255	228.9	237.9	244.4	244.3	213.4	223.0	219.5	215.1	212.9	212.7
	212	257.2	230.4	239.6	246.2	245.5	214.5	224.1	220.6	216.2	213.9
	268	210.3	254.6	228.2	237.2	243.5	243.2	212.1	221.7	218.2	213.9
	254	266.5	209.1	253.7	227.0	235.9	242.1	241.6	210.6	220.1	216.6
	261	246.2	257.9	202.8	247.0	220.2	229.1	235.1	234.7	204.0	213.2
TK-9	1,581	1,599.6	1,565.6	1,553.4	1,530.9	1,499.5	1,468.1	1,467.6	1,457.2	1,450.4	1,447.8
7-9	783	723.0	721.6	684.7	711.2	699.6	714.4	688.8	667.0	642.3	643.7

Attendan	ce Area	Holmes JHS							Proje	ction Date	10/5/2010
	CURRENT				PRO	ECTED RES	IDENT STUE	DENTS			
	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26	2026/27
TK	24	25.4	25.2	24.9	24.8	24.8	24.8	24.7	24.7	24.7	24.8
	197	208.4	206.8	204.6	203.3	203.4	203.3	203.1	203.1	203.1	203.2
	185	190.2	200.9	199.7	196.8	194.5	194.0	193.6	193.5	193.5	193.5
	201	188.4	193.5	204.7	202.6	198.6	195.8	194.9	194.5	194.3	194.3
	179	208.6	194.8	200.3	210.8	207.5	202.9	199.6	198.7	198.3	198.1
	174	179.7	209.0	195.5	200.0	209.3	205.6	200.6	197.4	196.5	196.1
	202	181.9	187.7	218.3	203.9	207.5	216.6	212.2	207.1	203.7	202.8
	190	205.4	185.2	191.5	221.4	205.5	208.5	217.2	212.8	207.7	204.4
	205	208.8	225.9	204.8	210.6	241.6	222.6	225.3	234.7	230.0	224.5
	224	209.6	212.7	230.2	207.9	212.0	241.7	223.6	226.4	235.8	231.1
	198	228.0	211.8	215.6	233.1	210.0	214.0	244.0	224.9	227.7	237.1
TK-9	1,352	1,388.0	1,403.1	1,439.5	1,463.6	1,451.1	1,451.5	1,445.9	1,431.8	1,421.8	1,417.2
7-9	627	646.4	650.4	650.6	651.6	663.6	678.3	692.9	686.0	693.5	692.7

Does not include special education students, independent study students and students residing outside of D.J.U.S.D. boundaries

February 7, 2017



DAVIS DEMOGRAPHICS **SECTION 6**

Junior High School Attendance Areas

February 7, 2017



Holmes JHS

Attendan	ce Area	Davis Senio	or HS						Proje	ction Date	10/5/2016
	CURRENT				PROJ	ECTED RES	DENT STUD	ENTS			
	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26	2026/27
TK	80	84.1	83.1	81.8	81.2	81.2	81.2	81.1	81.1	81.1	81.1
	494	519.4	513.3	505.4	501.3	501.2	501.2	501.0	501.0	501.0	501.0
	537	510.6	536.1	530.1	521.0	515.4	514.8	514.4	514.2	514.2	514.2
	588	554.1	526.2	552.8	545.7	535.0	528.7	527.6	527.2	527.0	527.0
	563	604.8	569.2	540.3	566.4	557.9	546.3	539.5	538.5	538.0	537.8
	540	579.4	619.8	582.6	552.8	578.0	568.7	556.6	549.7	548.6	548.2
	631	550.4	588.9	631.2	593.6	561.9	586.8	576.9	564.5	557.5	556.4
	560	640.1	557.9	597.9	639.4	599.2	566.8	591.5	581.6	569.1	562.1
	614	587.5	669.3	584.6	625.8	668.1	623.6	590.6	616.4	606.0	593.0
	640	617.4	590.6	672.6	586.4	626.7	667.0	622.7	590.4	616.1	605.7
	626	646.5	619.8	597.7	681.9	592.1	631.8	674.3	628.2	595.0	620.9
10	612	627.5	648.1	623.4	599.5	682.1	593.0	630.7	674.3	628.8	596.5
	612	600.5	614.9	637.4	614.2	592.1	672.5	583.7	620.3	664.1	619.2
	601	604.0	592.9	606.3	628.4	607.2	584.6	661.8	574.8	611.1	653.6
TK-6	3,993	4,042.9	3,994.5	4,022.1	4,001.4	3,929.8	3,894.5	3,888.6	3,857.8	3,836.5	3,827.8
7-9	1,880	1,851.4	1,879.7	1,854.9	1,894.1	1,886.9	1,922.4	1,887.6	1,835.0	1,817.1	1,819.6
10-12	1,825	1,832.0	1,855.9	1,867.1	1,842.1	1,881.4	1,850.1	1,876.2	1,869.4	1,904.0	1,869.3

Does not include special education students, independent study students and students residing outside of D.J.U.S.D. boundaries

February 7, 2017



Residential Development Summary

										Re	side	ıtial	Dev	elop	mer	Residential Development Summary	Ĕ	JE									
Total	SFD=	Total SFD = 247	Tota	Total MFA = 157 Total APT = 62	: 157	Tota	I APT :	- 62																			
Study		10/2016 - 10/2017	7107	10/201	10/2017 - 10/2018		10/2018	10/2018 - 10/2019		10/2019 - 10/2020	0/2020		10/2020 - 10/2021	1/202/	10/20	10/2021 - 10/2022		10/2022 - 10/2023	10/202		10/2023 - 10/2024	0/2024	10/20	10/2024 - 10/2025	5002	10/2025 - 10/2026	- 10/20
Area	SFD	MFA	APT	SFD	MFA /	APT	SFD M	MFA APT		SFD MFA	APT	SFD	MFA	APT	SFD	MFA	APT	SFD MI	MFA APT	T SFD) MFA	APT	SFD	MFA	APT	SFD N	MFA APT
30	7	0	0	4	0	0	7	0 0	4	0	0	4	0	0	8	0	0	0	0 0	0	0	0	0	0	0	0	0 0
46A	34	18	20	36	29	20	40 4	49 22	31	1 40	0	10	21	0	က	0	0	0	0 0	0	0	0	0	0	0	0	0 0
61A	0	0	0	0	0	0	0	0 0	0	0	0	0	0	0	0	0	0	0	0 0	0	0	0	0	0	0	0	0 0
999	00	0	0	0	0	0	0	0 0	0	0	0	0	0	0	0	0	0	0	0 0	0	0	0	0	0	0	0	0 0
85	00	0	0		0	0		0 0		0	0	2	0	0	0	0	0	0	0 0	0	0	0	0	0	0	0	0 0
104A	00	0	0	0	0	0	0	0 0	0	0	0	0	0	0	0	0	0	0	0 0	0	0	0	0	0	0	0	0 0
109	0	0	0	0	0	0	0	0 0	0	0	0	0	0	0	0	0	0	0	0 0	0	0	0	0	0	0	0	0 0
Total	99	18	20	51	29	20	25 4	49 22	46	5 40	0	19	21	0	11	0	0	0	0 0	0	0	0	0	0	0	0	0 0
	Tol 16/	Total 16 / 17	119	Total 17 / 18		116	Total 18 / 19	126		Total 19 / 20	98	To 20	Total 20 / 21	40	Total 21 / 22	al 22	п	Total 72 / 23	0		Total 73 / 24	0	Total 24 / 25	- ×	0	Total 25 / 26	0

February 7, 2017



2016/17 Forecast Report





February 7, 2017

Two-Year Staffing Forecast

	Birch Lan	e ES												
	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19			2013/14	2014/15	2015/16	2016/17	2017/18	2018/19
Grade	HistRes	HistRes	HistRes	CurrentRes	ProjRes	ProjRes	EstimIn	EstimOut	HistEnr	HistEnr	HistEnr	CurrentEnr	ProjEnr	ProjEnr
K	84	99	79	82	86.0	84.6	27	-26	90	94	85	82	87	86
1	79	82	99	82	82.3	86.0	17	-17	91	91	97	83	82	86
2	91	76	85	101	83.1	83.1	31	-32	89	90	90	93	82	82
3	91	92	83	91	107.4	88.1	30	-45	93	84	91	91	92	73
4	79	91	89	87	91.3	107.4	37	-44	65	87	85	79	84	100
5	114	78	87	97	88.2	92.2	29	-36	92	63	88	92	81	85
6	89	118	79	87	99.2	89.9	43	-43	86	98	74	89	99	90
K-6	627	636	601	627	637.5	631.3	214	-243	606	607	610	609	607	602

2016/17 Forecast Report

	Koremat	su ES												
	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19			2013/14	2014/15	2015/16	2016/17	2017/18	2018/19
Grade	HistRes	HistRes	HistRes	CurrentRes	ProjRes	ProjRes	EstimIn	EstimOut	HistEnr	HistEnr	HistEnr	CurrentEnr	ProjEnr	ProjEnr
K	80	81	85	77	80.5	79.3	6	-29	59	47	70	56	57	56
1	78	89	84	84	80.8	84.5	12	-30	63	75	48	69	63	66
2	96	83	85	90	86.5	83.3	14	-30	69	64	72	50	71	67
3	88	88	85	87	89.1	85.7	3	-42	60	67	67	73	50	47
4	107	92	93	92	92.2	94.4	23	-33	91	78	75	60	82	84
5	106	108	90	95	92.0	92.2	18	-47	94	92	80	82	63	63
6	118	104	115	88	95.9	92.9	21	-39	89	91	89	75	78	75
K-6	673	645	637	613	617.0	612.3	97	-250	525	514	501	465	464	458

There are 21 TK students attending Korematsu ES in 2016/17 not inclkuded in this projection

	Montgon	nery ES												
	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19			2013/14	2014/15	2015/16	2016/17	2017/18	2018/1
Grade	HistRes	HistRes	HistRes	CurrentRes	ProjRes	ProjRes	EstimIn	EstimOut	HistEnr	HistEnr	HistEnr	CurrentEnr	ProjEnr	ProjEn
K	50	54	71	51	53.3	52.5	30	-19	65	70	68	69	64	64
1	56	54	61	67	53.0	55.4	31	-16	52	65	69	67	68	70
2	61	61	57	60	69.7	55.2	25	-32	70	47	64	66	63	48
3	53	63	61	62	62.4	72.5	34	-25	56	81	46	68	71	81
4	64	49	66	59	60.8	61.2	20	-13	42	53	80	50	68	68
5	87	67	55	63	60.8	62.6	19	-28	62	49	51	78	52	54
6	69	80	69	56	61.7	59.6	42	-24	50	65	44	53	80	78
K-6	440	428	440	418	421.7	419.0	201	-157	397	430	422	451	466	463

There are 21 TK students attending Montgomery ES in 2016/17 not inclkuded in this projection

	North Da	vis ES												
	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19			2013/14	2014/15	2015/16	2016/17	2017/18	2018/19
Grade	HistRes	HistRes	HistRes	CurrentRes	ProjRes	ProjRes	EstimIn	EstimOut	HistEnr	HistEnr	HistEnr	CurrentEnr	ProjEnr	ProjEnr
K	91	120	113	115	122.4	122.1	7	-50	55	74	69	71	79	79
1	89	89	107	103	107.9	114.9	4	-44	55	50	72	68	68	75
2	100	93	91	100	105.2	110.3	33	-48	81	68	64	82	90	95
3	100	95	97	88	101.2	106.6	32	-43	81	80	72	70	90	96
4	95	102	97	87	88.4	101.6	27	-39	96	85	86	74	76	90
5	95	100	104	105	93.7	95.5	23	-38	97	102	86	87	79	80
6	94	97	95	103	106.2	95.2	22	-36	95	103	106	82	92	81
K-6	664	696	704	701	725.0	746.2	148	-298	560	562	555	534	574	596

There are 14 TK students attending North Davis ES in 2016/17 not inclkuded in this projection

Two-Year Staffing Forecast

	Patwin E	5												
	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19			2013/14	2014/15	2015/16	2016/17	2017/18	2018/19
Grade	HistRes	HistRes	HistRes	CurrentRes	ProjRes	ProjRes	EstimIn	EstimOut	HistEnr	HistEnr	HistEnr	CurrentEnr	ProjEnr	ProjEnr
K	67	71	53	56	58.5	57.7	8	-25	43	46	46	43	42	41
1	64	76	78	61	63.3	66.1	18	-28	39	48	64	49	53	56
2	83	65	85	78	64.0	66.4	18	-27	57	45	51	65	55	57
3	69	82	66	86	78.0	64.0	17	-28	56	49	45	64	67	53
4	66	81	90	69	95.5	86.6	18	-38	46	62	63	51	75	67
5	72	68	79	83	66.9	92.6	7	-24	65	48	59	61	50	76
6	80	75	68	83	85.5	68.9	7	-31	60	62	51	62	61	45
K-6	501	518	519	516	511.7	502.3	93	-201	366	360	379	395	403	395

There are 24 TK students attending Patwin ES in 2016/17 not inclkuded in this projection

	Pioneer E	:5												
	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19			2013/14	2014/15	2015/16	2016/17	2017/18	2018/1
Grade	HistRes	HistRes	HistRes	CurrentRes	ProjRes	ProjRes	EstimIn	EstimOut	HistEnr	HistEnr	HistEnr	CurrentEnr	ProjEnr	ProjEn
K	61	69	66	53	56.0	55.2	15	-18	56	68	69	45	53	52
1	70	72	72	68	57.9	60.8	12	-23	65	61	71	70	47	50
2	82	69	77	77	71.3	60.5	37	-24	63	77	72	75	84	74
3	73	94	71	79	83.0	76.7	28	-27	73	76	84	73	84	78
4	77	70	99	74	81.2	85.0	21	-23	85	81	85	90	79	83
5	77	84	71	97	76.1	83.1	38	-22	91	90	85	83	92	99
6	68	83	85	68	99.6	77.9	24	-39	84	92	89	86	85	63
K-6	508	541	541	516	525.1	499.2	175	-176	517	545	555	522	524	499

	Willett E	5												
	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19			2013/14	2014/15	2015/16	2016/17	2017/18	2018/1
Grade	HistRes	HistRes	HistRes	CurrentRes	ProjRes	ProjRes	EstimIn	EstimOut	HistEnr	HistEnr	HistEnr	CurrentEnr	ProjEnr	ProjEn
K	65	66	72	60	62.7	61.8	19	-30	55	66	52	47	52	51
1	75	71	79	72	65.4	68.3	21	-31	67	71	72	65	55	58
2	78	79	71	82	74.2	67.4	25	-33	69	69	70	75	66	59
3	73	83	80	70	83.6	75.6	37	-40	79	76	73	73	81	73
4	69	79	84	72	70.0	83.6	49	-31	88	87	87	89	88	102
5	71	68	76	91	72.7	70.7	43	-26	78	87	86	90	90	88
6	66	70	71	75	91.9	73.4	34	-33	82	84	89	88	93	74
K-6	497	516	533	522	520.5	500.8	228	-224	518	540	529	527	525	505

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Two-Year Staffing Forecast

	Emerson	JHS												
	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19			2013/14	2014/15	2015/16	2016/17	2017/18	2018/19
Grade	HistRes	HistRes	HistRes	CurrentRes	ProjRes	ProjRes	EstimIn	EstimOut	HistEnr	HistEnr	HistEnr	CurrentEnr	ProjEnr	ProjEnr
7	150	159	158	141	168.4	188.8	58	-57	148	175	147	139	169	190
8	153	144	161	162	141.3	168.7	59	-61	157	142	174	151	139	167
9	164	156	163	167	172.2	150.1	50	-62	144	167	158	172	160	138
7-9	467	459	482	470	481.9	507.6	167	-180	449	484	479	462	468	495

	Harper Ji	4S												
	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19			2013/14	2014/15	2015/16	2016/17	2017/18	2018/19
Grade	HistRes	HistRes	HistRes	CurrentRes	ProjRes	ProjRes	EstimIn	EstimOut	HistEnr	HistEnr	HistEnr	CurrentEnr	ProjEnr	ProjEnr
7	280	250	263	268	210.3	254.6	20	-76	214	196	208	218	154	199
8	264	274	259	256	266.5	209.1	21	-69	205	209	201	212	219	161
9	248	249	260	261	246.2	257.9	26	-59	206	204	213	206	213	225
7-9	792	773	782	785	723.0	721.6	67	-204	625	609	622	636	586	585

	Holmes J	HS												
	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19			2013/14	2014/15	2015/16	2016/17	2017/18	2018/19
Grade	HistRes	HistRes	HistRes	CurrentRes	ProjRes	ProjRes	EstimIn	EstimOut	HistEnr	HistEnr	HistEnr	CurrentEnr	ProjEnr	ProjEnr
7	198	196	220	205	208.8	225.9	96	-58	233	219	280	237	247	264
8	203	187	200	224	209.6	212.7	90	-58	251	227	229	275	242	245
9	208	212	188	198	228.0	211.8	107	-59	249	250	222	232	276	260
7-9	609	595	608	627	646.4	650.4	293	-175	733	696	731	744	765	769

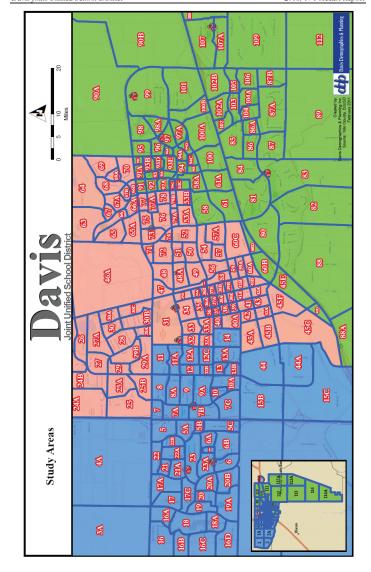
	Davis Seni Non-Boun	ior HS dary Scho	ol				
Grade				2013-2018 MobRate		17/18 ProiEnr	18/19 ProiEnr
10	571	579	595		580	581	581
11	600	548	558	97.4	593	565	566
12	534	588	530	96.7	532	574	546
10-12	1,705	1,715	1,683		1,705	1,720	1,693

	Cesar Chavez ES Non-Boundary School													
	2013/14	2014/15	2015/16	2013-2018	17/18	17/18	18/19							
Grade	Enrollmt	Enrollmt	Enrollmt	MobRate	CurrEnr	ProjEnr	ProjEnr							
K	90	95	99		95	95	95							
1	96	95	94	101.4	99	96	96							
2	105	94	87	97.2	96	96	93							
3	89	106	91	97.6	82	94	94							
4	86	83	93	92.3	88	76	87							
5	86	81	79	96.6	93	85	73							
6	84	84	79	96.7	75	90	82							
K-6	636	638	622		628	632	620							

	King HS <i>Non-Boun</i>	dary Schoo	ol				
	2013/14	2014/15	2015/16	2013-2018	17/18	17/18	18/19
Grade	Enrollmt	Enrollmt	Enrollmt	MobRate	CurrEnr	ProjEnr	ProjEnr
11	14	10	18		11	13	13
12	27	37	32	260	42	29	35
11-12	41	47	50		53	42	48

February 7, 2017





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Davis Joint Unified School District Masterplan

Sacramento, CA May 24, 2018

Davis Joint Unified School District Masterplan Sacramento, CA May 24, 2018

INTRODUCTION

1. Basis Of Estimate

This cost estimate is based upon documents and quantities provided by LPA, Inc.

2. Excluded Costs

The following cost items are excluded from this estimate.

- 1) Escalation is not included. Pricing good through the end of 2018.
- 2) Land purchase costs.
- 3) Off-site work, unless noted otherwise.
- 4) Costs of hazardous material surveys, abatement, and disposal, unless noted otherwise.
- 5) FF&E, unless noted otherwise.

3. Clarifications

This estimate is based upon the following assumptions.

- 1) A competitive bid environment at subcontractor and GC level.
- 2) The use of prevailing wage labor rates.
- 3) We are assuming a traditional design -bid build procurement methodology.
- 4) Unit costs are inclusive of General Conditions, General Requirements, Overhead and Profit, Bonds and Insurance and Design Contingency.
- 5) Softs costs are estimated at 33% per LPA, Inc.

Prepared For LPA, Inc.

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										School Site
	1963/2001	1953/2000	1958/2003	2005	2001	1957/2004	1992	1966/2003	1966/2000	1978
Program Scope	Birch Lane ES	Cesar Chavez ES	Fairfield ES	Korematsu ES	Marguerite Montgomery ES	North Davis ES	Patwin ES	Pioneer ES	Willett ES	Ralph Waldo Emerson Jr HS
1. Modernize / Reconfigure Existing Classrooms	2,018,000	2,063,000	398,000	-	-	2,010,000	3,098,000	2,329,000	1,998,000	2,190,000
2. Existing Building Systems, Toilets and Improved Energy Efficie	669,000	494,000	324,000	48,000	1,111,000	793,000	3,287,000	954,000	1,599,000	6,905,000
3. Site Utilities & Infrastructure	389,000	788,000	-	-	-	1,362,000	-	1,327,000	1,228,000	2,496,000
4. New Construction (Classrooms)	13,822,000	6,039,000	114,000	4,288,000	2,742,000	13,568,000	6,529,000	6,466,000	10,372,000	86,000
5. Elementary STEM & JrHS/HS Science Programs	2,074,000	846,000	-	2,904,000	2,593,000	-	489,000	1,038,000	1,456,000	3,121,000
6. JrHS/HS Electives Improvements	-	-	-	-	-	-	-	-	-	1,477,000
7. Music, Drama & Performing Arts Improvements	1,027,000	1,010,000	-	-	-	1,010,000	407,000	-	1,010,000	591,000
8. MPR, Student Union & Food Service Improvements	9,031,000	9,031,000	305,000	-	-	9,122,000	1,744,000	-	9,031,000	2,130,000
9. Physical Education Improvements	-	-	7,000	-	-	-	-	735,000	-	6,583,000
10. Staff and Community Support	1,301,000	1,307,000	-	163,000	401,000	3,290,000	501,000	600,000	3,115,000	4,417,000
11. Library & Student Support Services	2,178,000	2,593,000	48,000	591,000	719,000	3,089,000	2,958,000	1,072,000	2,731,000	3,383,000
12. Safety and Security	1,346,000	1,293,000	285,000	739,000	672,000	1,311,000	1,537,000	1,461,000	1,634,000	2,106,000
13. Bike / Car Parking & Drop-off	1,393,000	1,345,000	-	92,000	58,000	1,154,000	536,000	270,000	787,000	248,000
14. Outdoor Learning Courts, Quads & Gardens	596,000	840,000	-	995,000	1,090,000	320,000	640,000	970,000	711,000	241,000
15. Exterior Play Spaces, Playfields & Hardcourts	1,425,000	1,248,000	203,000	1,022,000	779,000	600,000	648,000	578,000	622,000	1,099,000
16. Next Generation Learning Furniture	848,000	583,000	67,000	636,000	742,000	716,000	663,000	742,000	742,000	663,000
17. Technology Infrastructure & Equipment	749,000	699,000	87,000	611,000	625,000	702,000	621,000	853,000	915,000	1,621,000
TOTAL PROJECT COST	\$ 38,866,000	\$ 30,179,000	\$ 1,838,000	\$ 12,089,000	\$ 11,532,000	\$ 39,047,000	\$ 23,658,000	\$ 19,395,000	\$ 37,951,000	\$ 39,357,000

2004	1964/2004	1950/2001	1958/2000	1980s		New		1978/2004			
Frances Harper Jr HS	Oliver Wendell Holmes Jr HS	Davis Senior HS	Da Vinci Charter Academy (JrHS & HS)	Martin Luther King Jr HS	Davis School for Independent Study (DSIS) and District Office	DJUSD Children's Center	Davis Adult and Community Education	Maintenance & Operations			
-	-	-	1,704,000	-	-	-	-	-	17,808,000		
55,000	160,000	804,000	1,553,000	55,000	-	48,000	-	-	18,859,000		
	4.000.000	4 004 000	744,000			520,000			40.000.000		
-	1,869,000	1,921,000	744,000	-	-	539,000	-	-	12,663,000		
4,440,000	4,524,000	25,102,000	8,592,000	-	-	5,339,000	-	-	112,023,000		
1,110,000	1,021,000	20,102,000	0,002,000			0,000,000			112,020,000		
-	-	17,269,000	5,227,000	-	-	-	-	-	37,017,000		
-	1,497,000	12,262,000	2,625,000	46,000	-	-	-	-	17,907,000		
-	3,322,000	1,418,000	1,010,000	-	-	-	-	-	10,805,000		
_	4,191,000	973,000	639,000	75,000	-	-	1,051,000	_	47,323,000		
	4,131,000	373,000	000,000	70,000			1,001,000		41,020,000		
-	-	10,611,000	8,217,000	31,000	-	-	-	-	26,184,000		
-	644,000	8,998,000	1,130,000	-	3,990,000	1,320,000	850,000	177,000	32,204,000		
-	1,570,000	8,536,000	1,614,000	-	-	970,000	-	-	32,052,000		
775,000	1,187,000	4,229,000	1,589,000	42,000	_	261,000	_	_	20,467,000		
110,000	1,107,000	4,220,000	1,000,000	42,000		201,000			20,401,000		
91,000	1,063,000	396,000	687,000	-	-	554,000	-	-	8,674,000		
691,000	969,000	1,263,000	693,000	-	-	-	•	-	10,019,000		
000 000	4.054.555	7045 222	000.000			000.000			40.05		
882,000	1,051,000	7,648,000	822,000	-	-	328,000	-	-	18,955,000		
901,000	928,000	2,120,000	663,000	133,000	_	-	_		11,147,000		
301,000	320,000	2,120,000	000,000	100,000					11,147,000		
1,119,000	963,000	2,212,000	650,000	197,000					12,624,000		
\$ 8,954,000	\$ 23,938,000	\$ 105,762,000	\$ 38,159,000	\$ 579,000	\$ 3,990,000	\$ 9,359,000	\$ 1,901,000	\$ 177,000	\$ 446,731,000		





Construction Cost Summary

					nstruction	
	Area	Unit	Unit Cost	Cost	Sub- Total	Total Project Cost 25% (x 1.33)
						,
1. Modernize / Reconfigure Existing Classrooms				\$	1,517,000	\$ 2,018,000
Existing classrooms (MEP scope covered in Section C)						
Structural upgrades						
Roof / wall connections	16,140	sf	\$ 15.90	\$	256,626	
Walls						
Repair existing walls	16,140	sf	\$ 5.30	\$	85,542	
Windows						
Replace existing windows	16,140	sf	\$ 23.85	\$	384,939	
Doors						
Repair existing doors	16,140	sf	\$ 5.30	\$	85,542	
Floors						
Replace existing floors	16,140	sf	\$ 17.49	\$	282,289	
Ceilings						
Repair existing ceilings	16,140	sf	\$ 13.25	\$	213,855	
Exteriors						
Patch, repair and paint	16,140	sf	\$ 5.30	\$	85,542	Paint trim and seal concre
Refurbish covered walkways	2,100	sf	\$ 35.00	\$	73,500	
ADA upgrades, allowance	16,140	sf	\$ 3.00	\$	48,420	
2. Existing Building Systems, Toilets and Improved Er	nerav Efficienc	v		\$	503,000	\$ 669,000
Restroom upgrades	3,	•		·	,	,
Reconfigure	75	sf	\$ 265.00	\$	19.875	gender neutral restroom
Building systems						9
EMS systems upgrades	18,390	sf	\$ 7.95	\$	146,201	
Lighting and controls upgrades	18,390	sf	\$ 10.60	\$	194,934	mod. at 50%
Convenience power upgrades	18,390	sf	\$ 6.89	\$	126,707	
Replace drinking fountains with ADA fountains including bottle filler	3	ea	\$ 5,088.00	\$	15,264	
3. Site Utilities & Infrastructure				\$	292,000	\$ 389,000
Based on entire campus area, upgrade existing utilities;						,
Electrical capacity upgrades	1	Is	\$ 291,500.00	\$	291,500	to accom. new construction

Birch Lane ES Masterplan Estimate

Construction Cost Summary

					Co	nstruction		
					Cost			Total Project Cost
	Area	Unit		Unit Cost		Total		25% (x 1.33)
4. New Construction (Classrooms)					\$	10,392,000	\$	13,822,000
Pre-school and kindergarten								
Remove portable classrooms	2	ea	\$	12,720.00	\$	25,440		
Classrooms, one story building	3,630	sf	\$	467.46	\$	1,696,880		
Site improvements surrounding building pad	3,630	sf	\$	44.52	\$	161,608		
Student collaboration lab								
Classrooms, two story building	2,554	sf	\$	514.10	\$	1,312,806		
Site improvements surrounding building pad	1,277	sf	\$	44.52	\$	56,843		
Elementary school								
Remove portable classrooms	10	ea	\$	12,720.00	\$	127,200		
Classrooms, two story building	12,768	sf	\$	526.82	\$	6,726,438		
Site improvements surrounding building pad	6,384	sf	\$	44.52	\$	284,216		
5. Elementary STEM & JrHS/HS Science Programs					\$	1,559,000	\$	2,074,00
Elementary science and STEM labs								
Lab classrooms, one story building	2,640	sf	\$	545.90	\$	1,441,176		
Site improvements surrounding building pad	2,640	sf	\$	44.52	\$	117,533		
6. JrHS/HS Electives Improvements No scope in this category					\$	-	\$	-
110 Soope in this category								
7. Music, Drama & Performing Arts Improvements					\$	772,000	\$	1,027,000
Remove portable classrooms	1	sf	\$	12.720.00	s	12.720	ľ	, , , , ,
Music lab classroom		0.	•	12,120.00	*	12,720		
Lab classrooms, one story building	1.320	sf	\$	530.00	s	699,600		
Site improvements surrounding building pad	1,320	sf	\$	44.52		58,766		
	.,,		_		•			
8. MPR, Student Union & Food Service Improvements	;				\$	6,790,000	\$	9,031,00
Multi-purpose rooms								
MPR, one story building	8,388	sf	\$	583.00	\$	4,889,913		
Site improvements surrounding building pad	8,388	sf	\$	44.52	\$	373,412		
Food service								
Food service, one story building	1,650	sf	\$	694.30	\$	1,145,595		
Site improvements surrounding building pad	1,650	sf	\$	44.52	\$	73,458		
New trash enclosure	1	ea	\$	53,000.00		53,000		
New lunch shelter	2,400	sf	\$	106.00	\$	254,400		
			_					
9. Physical Education Improvements					\$	-	\$	-
No scope in this category							ľ	

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Birch Lane ES Masterplan Estimate

5/24/18

Construction Cost Summary

					Co	onstruction		
					Cost			roject Cost
	Area	Unit		Unit Cost		Total	25%	(x 1.33)
10. Staff and Community Support					\$	978,000	\$	1,301,00
Demolish existing buildings	1.200	sf	\$	26.50	\$	31.800	*	.,,
Administration	1,200	0.	Ť	20.00	•	01,000		
Reconfigure	2.250	sf	\$	270.30	\$	608,175		
Staff work rooms	2,200	0.	•	2,0.00	*	000,110		
Reconfigure	1,250	sf	\$	270.30	\$	337,875		
11. Library & Student Support Services					\$	1,637,000	\$	2,178,00
Elementary school library and innovation lab					٠	1,007,000	*	2,110,00
Reconfigure	3.840	sf	\$	286.20	s	1,099,008		
Learning center	0,040	31	Ÿ	200.20	*	1,000,000		
Reconfigure	1,920	sf	\$	279.84	\$	537,293		
	-							
12. Safety and Security					\$	1,012,000	\$	1,346,00
Decorative metal fencing and gates	1,140	lf	\$	296.80	\$	338,352		
Rolling decorative metal gate	3	ea	\$	47,700.00	\$	143,100		
New exterior lighting for student safety	1	ls	\$	80,000.00	\$	80,000		
New safety locks to existing classroom doors	37	ea	\$		\$	50,006		
New emergency signs and posts	1	ls	\$	38,160.00	\$	38,160		
New marquee sign	1	ea	\$	21,200.00	\$	21,200		
Low voltage upgrades								
Fire alarm system	18,390	sf	\$	6.36	\$	116,960		
New fire alarm head end equipment, allowance	1	ls	\$	26,500.00	\$	26,500		
Emergency lighting	18,390	sf	\$	1.70	\$	31,189		
PA / emergency communication systems	18,390	sf	\$	9.01	\$	165,694		
Intrusion alarms	18,390	sf	\$	2.12		Excluded		
Other security systems	18,390	sf	\$	2.54		Excluded	cameras	
13. Bike / Car Parking & Drop-off					\$	1,047,000	\$	1,393,00
New parking lot	16,200	sf	\$	19.08	\$	309,096		
New drop-off area	14,250	sf	\$	21.20	\$	302,100		
Slurry access road	7,500	sf	\$	12.47		93,532		
New concrete pedestrian paving	4,500	sf	\$	19.08	\$	85,860		
Entry plaza upgrades	3,000	sf	\$	30.74		92,220		
Bike parking incl. fencing and gates, AC paving and bike rac	7,850	sf	\$	20.87	\$	163,830		
						440.000		F00
14. Outdoor Learning Courts, Quads & Gardens					\$	448,000	\$	596,00
New student quad	13,050	sf	\$	19.29	\$	251,761		
New learning courts	9,471	sf	\$	20.67	\$	195,766	l	

Construction Cost Summary

1,500 1,200 4,800	Unit sf sf sf	\$	Unit Cost	Cost \$	Sub- Total 1,071,000	Total Proj 25% (x	
1,500 1,200 4,800 9,000	sf sf			\$		Ì	
1,200 4,800 9,000	sf		00.00	\$	1,071,000	\$	1,425,000
1,200 4,800 9,000	sf		00.00				
1,200 4,800 9,000	sf		00.00				
4,800 9,000		\$	23.32	\$	34,980		
9,000	sf	Ψ	53.00	\$	63,600		
.,		\$	4.24	\$	20,352		
.,							
	sf	\$	23.32	\$	209,880		
55,450	sf	\$	4.24	\$	235,108		
15,675	sf	\$	12.72	\$	199,386		
6	ea	\$	5,830.00	\$	34,980		
1	ea	\$	10,600.00	\$	10,600		
136,600	sf	\$	0.80	\$	108,597	minor repairs	
2	ea	\$	29,150.00	\$	58,300		
4,500	sf	\$	21.06	\$	94,770		
				*	,	\$	848,000
32	ea	\$	26,500.00	\$	848,000		
				e	740 000	•	749,000
				•	145,000	•	145,000
32	ea	\$	12,720.00	\$	407,040		
18,390	sf	\$	9.28	\$	170,567		
18,390	sf	\$	9.28	\$	170,567		
				\$	29.615.000	\$	38.866.000
	2 4,500 32 32 18,390	2 ea 4,500 sf 32 ea 32 ea 18,390 sf	2 ea \$ 4,500 sf \$ 32 ea \$ 32 ea \$ 18,390 sf \$	2 ea \$ 29,150.00 4,500 sf \$ 21.06 32 ea \$ 26,500.00 32 ea \$ 12,720.00 18,390 sf \$ 9.28	2 ea \$ 29,150.00 \$ 4,500 sf \$ 21.06 \$ \$ \$ 32 ea \$ 26,500.00 \$ \$ \$ 32 ea \$ 12,720.00 \$ \$ 18,390 sf \$ 9.28 \$	2 ea \$ 29,150.00 \$ 58,300 4,500 sf \$ 21.06 \$ 94,770 \$ 848,000 32 ea \$ 26,500.00 \$ 848,000 \$ 749,000 32 ea \$ 12,720.00 \$ 407,040 18,390 sf \$ 9.28 \$ 170,567	2 ea \$ 29,150.00 \$ 58,300 4,500 sf \$ 21.06 \$ 94,770 \$ 848,000 \$ 32 ea \$ 26,500.00 \$ 848,000 \$ \$ 749,000 \$ \$ 32 ea \$ 12,720.00 \$ 407,040 18,390 sf \$ 9.28 \$ 170,567

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Construction Cost Summary

					Co	nstruction		
					Cost	Sub-	Total Proj	ect Cost
	Area	Unit		Unit Cost		Total	25% (x	1.33)
Modernize / Reconfigure Existing Classrooms					\$	1,551,000	\$ 2	2,063,000
Existing classrooms (MEP scope covered in Section C)					·	,,		,,
Walls								
Repair existing walls	14,400	sf	\$	5.30	\$	76,320		
Windows	,							
Replace existing windows	14,400	sf	\$	53.66	s	772,740	includes clere	estorv
Doors								,
Repair existing doors	14,400	sf	\$	5.30	s	76,320		
Floors	.,,		•		•	,		
Replace existing floors	14,400	sf	\$	17.49	s	251,856		
Ceilings								
Repair existing ceilings	14,400	sf	\$	13.25	s	190,800		
Exteriors								
Patch, repair and paint	14,400	sf	\$	5.30	\$	76,320		
Refurbish covered walkways	1,800	sf	\$	35.00	\$	63,000		
ADA upgrades, allowance	14,400	sf	\$	3.00	S	43,200		
Reconfigure	75	sf	\$	265.00	\$	19,875	gender neutr	al restroor
•	75	sf	\$	265.00	\$	19,875	gender neutr	al restroor
Building systems EMS systems upgrades	22.595	sf	\$	7.95	s	179.630		
Convenience power upgrades	22,595	sf	\$	6.89		155,680		
Replace drinking fountains with ADA fountains including	22,353	ea	\$	5,088.00		15,264		
bottle filler	v	ou	Ψ	0,000.00	•	10,204		
								700.00
3. Site Utilities & Infrastructure					\$	592,000	\$	788,000
Based on entire campus area, upgrade existing utilities;								
Natural gas service	435,600	sf	\$	0.21		92,347	mod. at 50%	
Sanitary sewer service	435,600	sf	\$	0.42	*	184,694	mod. at 50%	
Storm drain service	435,600	sf	\$	0.05		23,087	mod. at 50%	
Electrical capacity upgrades	1	ls	\$	291,500.00	\$	291,500		
1. New Construction (Classrooms)					\$	4,540,000	\$ 6	5,039,000
Pre-school and kindergarten								
	4,455	sf	\$	467.46	\$	2,082,534		
Classrooms, one story building	4,400							
Site improvements surrounding building pad	4,455	sf	\$	44.52	\$	198,337		
		sf	\$	44.52	\$	198,337		
Site improvements surrounding building pad		sf ea	\$	44.52 12,720.00		198,337 50,880		
Site improvements surrounding building pad Elementary school	4,455				\$			

Construction Cost Summary

					Co	onstruction		
					Cost			al Project Cost
	Area	Unit		Unit Cost		Total	2	5% (x 1.33)
5. Elementary STEM & JrHS/HS Science Programs					s	636,000	\$	846.000
Remove portable classrooms	2	ea	\$	12.720.00	\$	25,440	,	,
Elementary science and STEM labs			,	,	•	,		
Reconfigure	1,920	sf	\$	318.00	\$	610,560		
,						<u> </u>		
6. JrHS/HS Electives Improvements					\$	-	\$	-
No scope in this category								
7. Music, Drama & Performing Arts Improvements					\$	759.000	\$	1.010.000
Music lab classroom					٠	133,000	Ÿ	1,010,000
Lab classrooms, one story building	1.320	sf	\$	530.00	\$	699.600		
Site improvements surrounding building pad	1,320	sf	\$	44.52		58.766		
Site improvements surrounding building pad	1,320	Sī	Þ	44.52	Þ	58,766		
8. MPR, Student Union & Food Service Improvements					\$	6,790,000	\$	9,031,000
Multi-purpose rooms								
MPR, one story building	8,388	sf	\$	583.00	\$	4,889,913		
Site improvements surrounding building pad	8,388	sf	\$	44.52	\$	373,412		
Food service								
Food service, one story building	1,650	sf	\$	694.30	\$	1,145,595		
Site improvements surrounding building pad	1,650	sf	\$	44.52	\$	73,458		
New trash enclosure	1	ea	\$	53,000.00	\$	53,000		
New lunch shelter	2,400	sf	\$	106.00	\$	254,400		
9. Physical Education Improvements					\$	-	\$	-
No scope in this category								
10. Staff and Community Support					s	982,000	\$	1,307,000
	1 000	of	¢	26.50	*		Ÿ	1,301,000
Demolish existing buildings	1,000	sf	\$	∠0.50	Þ	26,500		
Administration	200	-4	•	442.40	•	40.000		
Moderate modernization	300	sf	\$	143.10		42,930		
Reconfigure	1,950	sf	\$	270.30	\$	527,085		
Staff work rooms								
Reconfigure	1,425	sf	\$	270.30	\$	385,178		

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Construction Cost Summary

						onstruction		
		1114		U-14 O4	Cost			roject Cost
	Area	Unit		Unit Cost		Total	25%	(x 1.33)
11. Library & Student Support Services					\$	1,949,000	\$	2,593,00
Elementary school library and innovation lab								
Reconfigure	2,600	sf	\$	286.20	\$	744,120		
Add for louvered skylight to match improvements at Da Vi	1	ls	\$	125,000.00	\$	125,000	Match imp	rovements
Learning center								
Classrooms, one story building	2,112	sf	\$	466.40	\$	985,037		
Site improvements surrounding building pad	2,112	sf	\$	44.52	\$	94,026		
12. Safety and Security					\$	972,000	\$	1,293,00
Repair concrete pedestrian paving	4.290	sf	\$	11.66	S	50.021	"	1,233,00
New covered walkways	4,290	sf	\$	106.00	S	42,400		
Decorative metal fencing and gates	825	lf	\$	296.80	*	244,860		
Rolling decorative metal gate	1	ea	\$	47.700.00		47,700		
New exterior lighting for student safety	1	ls	\$	80,000.00		80,000		
New safety locks to existing classroom doors	26	ea	\$	1,351.50		35,139		
New emergency signs and posts	1	ls	\$	38,160.00		38,160		
New marquee sign	1	ea	\$	21,200.00		21,200		
Low voltage upgrades		-	•	21,200.00	•	21,200		
Fire alarm system	22.595	sf	\$	6.36	s	143,704		
New fire alarm head end equipment, allowance	1	ls	\$	26,500.00		26,500		
Emergency lighting	22,595	sf	\$	1.70		38,321		
PA / emergency communication systems	22,595	sf	\$	9.01		203,581		
Intrusion alarms	22.595	sf	\$	2.12	•	Excluded		
Other security systems	22,595	sf	\$	2.54		Excluded	cameras	
13. Bike / Car Parking & Drop-off					\$	1,011,000	\$	1,345,00
New parking lot	23,300	sf	\$	19.08	*	444,564		
New drop-off area	9,250	sf	\$	21.20		196,100		
New access road	3,500	sf	\$	19.19		67,151		
New concrete pedestrian paving	2,500	sf	\$	19.08		47,700		
Entry plaza upgrades	3,600	sf	\$	30.74		110,664		
Bike parking incl. fencing and gates, AC paving and bike rac	6,900	sf	\$	20.87	\$	144,003		
14. Outdoor Learning Courts, Quads & Gardens					\$	631,000	\$	840,00
New learning courts	22,400	sf	\$	23.43	\$	524,742		
New student garden	5,000	sf	\$	21.20	\$	106,000		

Construction Cost Summary

	Area	Unit	Unit Cost	Cos	Construction it Sub- Total	Total Project Cost 25% (x 1.33)
15. Exterior Play Spaces, Playfields & Hardcourts				\$	938,000	\$ 1,248,000
Pre-school and kindergarten play yard					,	
New rubber surfacing	1,200	sf	\$ 23.32	\$	27,984	
Shade structure	1,200	sf	\$ 53.00	\$	63,600	
Elementary play yard and hardcourts						
New rubber surfacing	4,200	sf	\$ 23.32	\$	97,944	
New hardcourts	32,000	sf	\$ 12.72	\$	407,040	
New basketball courts and hoops	8	ea	\$ 5.830.00	\$	46,640	
New ball walls	1	ea	\$ 10,600.00	\$	10,600	
Repair playfields	104,000	sf	\$ 1.11		115,752	minor repairs and irrigation pump
Baseball and softball fields						
New backstop	1	ea	\$ 29,150.00	\$	29,150	
New bike path	6,600	sf	\$ 21.06	\$	138,996	
16. Next Generation Learning Furniture				\$	583,000	\$ 583,000
Flexible furniture per classroom (direct cost)	22	ea	\$ 26,500.00	\$	583,000	
17. Technology Infrastructure & Equipment				\$	699,000	\$ 699,000
Classroom tech package - smart boards, projector, project						
mounts, flat screen monitor, audio system, etc. (direct cost)	22	ea	\$ 12,720.00	\$	279,840	
Upgrade backbone, wireless access points, and switches						
(direct cost)	22,595	sf	\$ 9.28	\$	209,569	
Upgrade fiber to support (direct cost)	22,595	sf	\$ 9.28	\$	209,569	
TOTAL PROJECT COSTS (2018\$)				\$	23,001,000	\$ 30,179,000

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Construction Cost Summary

				-	onstruction	Total Duals 10	
	A	1114	U-4 0-4	Cost			I Project Cos
	Area	Unit	Unit Cost		Total		5% (x 1.33)
. Modernize / Reconfigure Existing Classrooms				\$	299,000	\$	398,00
Existing classrooms (MEP scope covered in Section C)					,	ľ	,
Walls							
Repair existing walls	2,520	sf	\$ 5.30	\$	13,356		
Windows							
Replace existing windows	2,520	sf	\$ 23.85	\$	60,102		
Doors							
Repair existing doors	2,520	sf	\$ 5.30	\$	13,356		
Floors							
Replace existing floors	2,520	sf	\$ 17.49	\$	44,075		
Ceilings							
Replace existing ceilings	2,520	sf	\$ 26.50	\$	66,780		
Exteriors							
Patch, repair and paint	2,520	sf	\$ 5.30	\$	13,356		
Roofing							
Replace roofing	2,970	sf	\$ 26.50	\$	78,705		
ADA upgrades, allowance	2,970	sf	\$ 3.00	\$	8,910		
 Existing Building Systems, Toilets and Improved E Restroom upgrades 	nergy Efficiend	у		\$	243,000	\$	324,000
Reconfigure	75	sf	\$ 265.00	\$	19,875	gende	er neutral restro
Building systems							
HVAC upgrades	2,970	sf	\$ 33.92	\$	100,742		
EMS systems upgrades	2,970	sf	\$ 7.95	\$	23,612		
Lighting and controls upgrades	2,970	sf	\$ 21.20	\$	62,964		
Convenience power upgrades	2,970	sf	\$ 6.89		20,463		
Replace drinking fountains with ADA fountains including bottle filler	3	ea	\$ 5,088.00	\$	15,264		
S. Site Utilities & Infrastructure				\$		\$	
No scope in this category							
. New Construction (Classrooms)				\$	85,000	\$	114,00
Student collaboration lab							
Classrooms, one story building	165	sf	\$ 466.40	\$	76,956	enclos	se porch
Site improvements surrounding building pad	165	sf	\$ 44.52	\$	7,346		
5. Elementary STEM & JrHS/HS Science Programs				\$		\$	
No scope in this category							

Construction Cost Summary

				Co	nstruction		
				Cost			ject Cos
Area	Unit		Unit Cost		Total	25% (x 1.33)
				\$		s	
				Ψ		¥	
				\$		\$	
				\$	229,000	\$	305,00
225	sf	\$	418.70	\$	94,208		
225	sf	\$	79.50	\$	17,888		
1	ea	\$	53,000.00	\$	53,000		
600	sf	\$	106.00	\$	63,600		
				\$	5,000	\$	7,00
1	ea	\$	4,452.00	\$	4,452		
				\$	-	\$	-
				\$	36,000	\$	48,00
225	sf	\$	159.00	\$	35,775		
				•	244.000		285.00
050	,	•	400.00			Þ	200,00
•					,		
•							
•					***		
1	ea	\$	21,200.00	\$	21,200		
0.070	,	•	0.00	•	40.000		
,					.,		
•							
, , ,							
				Þ			
		\$	2.54		Excluded	cameras	
2,970	sf	Ψ	2.04		Exolucion	camorac	
	225 1 600	225 sf 225 sf 1 ea 600 sf 1 ea 1 ls 6 ea 1 ls 1 ea 2,970 sf 1 ls 2,970 sf 2,970 sf	225 sf \$ 225 sf \$ 1 ea \$ 600 sf \$ 1 ea \$ 350 sf \$ 1 ea \$ 1 ls \$ 6 ea \$ 1 ls \$ 1 ea \$ 2,970 sf \$ 2,970 sf \$ 2,970 sf \$	225 sf \$ 418.70 225 sf \$ 79.50 1 ea \$ 53,000.00 600 sf \$ 106.00 1 ea \$ 4,452.00 350 sf \$ 159.00 1 ea \$ 47,700.00 1 ls \$ 15,000.00 6 ea \$ 1,351.50 1 ls \$ 7,632.00 1 ea \$ 21,200.00 2,970 sf \$ 6.36 1 ls \$ 26,500.00 2,970 sf \$ 1.70 2,970 sf \$ 9.01	Name	Area Unit Unit Cost Total	Note

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Construction Cost Summary

	Area	Unit	Unit Cost	Cost	onstruction Sub- Total		I Project Cost 5% (x 1.33)
14. Outdoor Learning Courts, Quads & Gardens No scope in this category				\$	-	\$	-
15. Exterior Play Spaces, Playfields & Hardcourts				\$	152,000	\$	203,000
Elementary play yard and hardcourts							
New rubber surfacing	2,200	sf	\$ 23.32	\$	51,304		
Repair playfields	26,000	sf	\$ 0.80	\$	20,670	repair	irrigation
New fitness course	1	ea	\$ 79,500.00	\$	79,500		
16. Next Generation Learning Furniture				\$	67,000	\$	67,000
Flexible furniture per classroom (direct cost)	2.5	ea	\$ 26,500.00	\$	66,250		
17. Technology Infrastructure & Equipment				\$	87,000	\$	87,000
Classroom tech package - smart boards, projector, project							
mounts, flat screen monitor, audio system, etc. (direct cost)	2.5	ea	\$ 12,720.00	\$	31,800		
Upgrade backbone, wireless access points, and switches							
(direct cost)	2,970	sf	\$ 9.28	\$	27,547		
Upgrade fiber to support (direct cost)	2,970	sf	\$ 9.28	\$	27,547		
TOTAL PROJECT COSTS (2018\$)				\$	1,416,000	\$	1,838,000

Construction Cost Summary

						onstruction			
	Area	Unit		Unit Cost	Cost	Si Total	ub-		Project Cos (x 1.33)
Modernize / Reconfigure Existing Classrooms No scope in this category					\$	-		\$	-
No scope in this category									
2. Existing Building Systems, Toilets and Improved En	nergy Efficiency	•			\$	36,00	00	\$	48,00
Restroom upgrades									
Reconfigure	75	sf	\$	265.00	\$	19,8	-	gender r	eutral restro
Replace drinking fountains with ADA fountains including bottle filler	3	ea	\$	5,088.00	\$	15,2	04		
3. Site Utilities & Infrastructure					\$			\$	
No scope in this category					*			•	
					•	2 224 22			4 000 00
4. New Construction (Classrooms)					\$	3,224,00	יטע	\$	4,288,00
Pre-school and kindergarten	2		•	00.000.00	\$	59.3	20		
Relocate portable classrooms	2.970	ea	\$	29,680.00 467.46	*	1.388.3			
Classrooms, one story building		sf	\$	467.46		132,2			
Site improvements surrounding building pad Student collaboration lab	2,970	sf	Þ	44.52	Þ	132,2	24		
Classrooms, one story building	1,056	sf	\$	466.40	\$	492.5	10		
Site improvements surrounding building pad	1,056	sf	\$	44.52	-	492,3	-		
Elementary school	1,000	31	Ψ	44.02	Ψ	47,0	15		
Classrooms, one story building	2.112	sf	\$	478.06	\$	1.009.6	ลว		
Site improvements surrounding building pad	2,112	sf	\$	44.52	-	94,0			
5. Elementary STEM & JrHS/HS Science Programs					\$	2,183,00	10	\$	2,904,00
Elementary science and STEM labs					•	2,100,00		•	2,004,00
Lab classrooms, one story building	3,696	sf	\$	545.90	\$	2,017,6	46		
Site improvements surrounding building pad	3,696	sf	\$	44.52	\$	164,5			
	.,		_		•				
6. JrHS/HS Electives Improvements					\$			\$	-
No scope in this category									
7. Music, Drama & Performing Arts Improvements					\$			\$	
· · · · · · · · · · · · · · · · · · ·					φ	-		•	-
No scope in this category							-		
8. MPR, Student Union & Food Service Improvements					\$	-		\$	-
No scope in this category									
9. Physical Education Improvements					\$	_		\$	_
No scope in this category					Ψ	-		~	-

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Construction Cost Summary

					Cost	onstruction Sub-	Total Project Cos
	Area	Unit		Unit Cost		Total	25% (x 1.33)
10. Staff and Community Support					\$	122,000	\$ 163,00
Administration					•	,,,,,	, , , , ,
Reconfigure	450	sf	\$	270.30	\$	121,635	
11. Library & Student Support Services					\$	444,000	\$ 591,00
Elementary school library and innovation lab					•	,	\$ 551,55
Reconfigure	1.225	sf	\$	143.10	\$	175.298	mod. at 50%
Learning center	1,220	01	Ψ	140.10	Ψ	170,200	11100. 01 00 70
Reconfigure	960	sf	\$	279.84	\$	268,646	
12. Safety and Security					\$	555,000	\$ 739,00
Decorative metal fencing and gates	780	lf	\$	296.80	\$	231,504	
Rolling decorative metal gate	3	ea	\$	47,700.00		143,100	
New exterior lighting for student safety	1	ls	\$	80,000.00	\$	80,000	
New safety locks to existing classroom doors	30	ea	\$	1,351.50	\$	40,545	
New emergency signs and posts	1	ls	\$	38,160.00	\$	38,160	
New marquee sign	1	ea	\$	21,200.00	\$	21,200	
Low voltage upgrades							
Intrusion alarms	30,125	sf	\$	2.12		Excluded	
Other security systems	30,125	sf	\$	2.54		Excluded	cameras
13. Bike / Car Parking & Drop-off					\$	69,000	\$ 92,00
Bike parking incl. fencing and gates, AC paving and bike rack	3,300	sf	\$	20.87	\$	68,871	,
14. Outdoor Learning Courts, Quads & Gardens					\$	748,000	\$ 995,00
New student quad	8,400	sf	\$	27.56		231,504	
New learning courts	5,750	sf	\$	27.56	\$	158,470	
New student amphitheater	4,800	sf	\$	47.70	\$	228,960	
Shade structure	2,400	sf	\$	53.50	\$	128,400	
15. Exterior Play Spaces, Playfields & Hardcourts					\$	768,000	\$ 1,022,00
Pre-school and kindergarten play yard							
New rubber surfacing	2,000	sf	\$	23.32	\$	46,640	
Shade structure	1,200	sf	\$	53.00		63,600	
New hardcourts	4,000	sf	\$	12.72		50,880	
Elementary play yard and hardcourts	.,500	٥.	*	12.72	*	33,300	
New rubber surfacing	8.400	sf	\$	23.32	\$	195,888	
Resurface and repair hardcourts	64.600	sf	\$	6.36		410,856	repair not
	2 .,200		7	3,00	•	,300	recommended, replacement is ideal

Construction Cost Summary

				Cost	onstruction Sub-	Total Project C	Cost
	Area	Unit	Unit Cost	•	Total	25% (x 1.33)	
16. Next Generation Learning Furniture				\$	636,000	\$ 636,	,000
Flexible furniture per classroom (direct cost)	24	ea	\$ 26,500.00	\$	636,000		
Technology Infrastructure & Equipment Classroom tech package - smart boards, projector, project mounts, flat screen monitor, audio system, etc. (direct cost)	26	ea	\$ 12.720.00	\$	611,000 330,720	\$ 611,	000
Upgrade backbone, wireless access points, and switches (direct cost) Upgrade fiber to support (direct cost)	30,125 30,125	sf sf	\$ 4.64 4.64	\$	139,705 139,705	all CR's at 50% all CR's at 50%	
TOTAL PROJECT COSTS (2018\$)	53,125		 	\$	9,394,000	\$ 12,041,	000

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Construction Cost Summary

	Area	Unit		Unit Cost	Cost	onstruction Sub- Total		Total Project Cost 25% (x 1.33)
1. Modernize / Reconfigure Existing Classrooms					\$	-	\$	-
No scope in this category								
2. Existing Building Systems, Toilets and Improved Ene	rav Efficiency	,			s	835,000	\$	1,111,000
Restroom upgrades						•		
Reconfigure	275	sf	\$	265.00	\$	72,875	inclu	udes gender neutral restro
Restroom, one story building	1.056	sf	\$	662.50	\$	699,600		· ·
Site improvements surrounding building pad	1.056	sf	\$	44.52	\$	47,013		
Replace drinking fountains with ADA fountains including bottle filler	3	ea	\$	5,088.00	\$	15,264		
3. Site Utilities & Infrastructure					\$		\$	
No scope in this category								
4. New Construction (Classrooms)					s	2,061,000	s	2.742.000
Pre-school and kindergarten					•	_,,	*	_,,
Classrooms, one story building	2,970	sf	\$	467.46	\$	1,388,356		
Site improvements surrounding building pad	2,970	sf	\$	44.52		132,224		
Student collaboration lab	2,310	31	Ψ	44.02	Ψ	102,224		
Classrooms, one story building	1,056	sf	\$	466.40	\$	492.518		
Site improvements surrounding building pad	1,056	sf	\$	44.52	-	47,013		
Site improvements surrounding building pad	1,030	51	φ	44.32	Ą	47,013		
5. Elementary STEM & JrHS/HS Science Programs					\$	1,949,000	\$	2,593,000
Elementary science and STEM labs								
Lab classrooms, one story building	3,300	sf	\$	545.90	\$	1,801,470		
Site improvements surrounding building pad	3,300	sf	\$	44.52	\$	146,916		
6. JrHS/HS Electives Improvements					s	-	\$	_
No scope in this category					•		•	
7. Music, Drama & Performing Arts Improvements					\$	-	\$	-
No scope in this category								
8. MPR, Student Union & Food Service Improvements					\$	-	\$	-
No scope in this category								
Physical Education Improvements No scope in this category					\$	-	\$	-

Construction Cost Summary

					Cost	onstruction Sub-	Total Do	-:+ 0+
	Area	Unit		Unit Cost	Cost	Total		oject Cost x 1.33)
10. Staff and Community Support					\$	301,000	s	401,000
Administration					•	001,000	*	.0.,000
Reconfigure	400	sf	\$	270.30	s	108,120		
Staff work rooms		0.	•	270.00	•	100,120		
Reconfigure	1.025	sf	\$	135.15	s	138.529	mod. at 50%	
Parent resource center	.,		•		•	,		
Reconfigure	200	sf	\$	270.30	\$	54,060		
11. Library & Student Support Services					\$	540,000	s	719,000
Learning center					•	,	ľ	,
Classrooms, one story building	1.056	sf	\$	466.40	s	492,518		
Site improvements surrounding building pad	1,056	sf	\$	44.52	\$	47,013		
12. Safety and Security					\$	505,000	\$	672,000
Decorative metal fencing and gates	610	If	\$	296.80		181,048	*	072,000
Rolling decorative metal gate	3	ea	\$	47,700.00	*	143,100		
New exterior lighting for student safety	1	ls	\$	80,000.00		80,000		
New safety locks to existing classroom doors	30	ea	\$	1,351.50		40,545		
New emergency signs and posts	1	ls	\$	38,160.00		38,160		
New marquee sign	1	ea	\$	21,200.00		21,200		
Low voltage upgrades		ou	Ψ	21,200.00	•	21,200		
Intrusion alarms	28.910	sf	\$	2.12		Excluded		
Other security systems	28,910	sf	\$	2.54		Excluded	cameras	
,,								
13. Bike / Car Parking & Drop-off					\$	43,000	\$	58,000
Bike parking incl. fencing and gates, AC paving and bike rack	2,025	sf	\$	20.87	\$	42,262		
14. Outdoor Learning Courts, Quads & Gardens					s	819,000	s	1,090,000
New student quad	0.426	of	\$	27.56		232,193	•	1,050,000
	8,425 8.300	sf sf	\$	27.56	*	232,193		
New learning courts New student amphitheater	4.800	st sf	\$	27.56 47.70		228,748		
New student ampnitneater Shade structure	,	st sf	\$	47.70 53.50		128,400		
Snade structure	2,400	ST	Э	53.50	à	128,400	I	

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Construction Cost Summary

					_	Construction		
					Cos			
	Area	Unit		Unit Cost		Total	25% (x	1.33)
15. Exterior Play Spaces, Playfields & Hardcourts					\$	585,000	\$	779,000
Pre-school and kindergarten play yard								
New rubber surfacing	3,000	sf	\$	23.32	\$	69,960		
Play apparatus	1	ea	\$	81,620.00	\$	81,620		
Shade structure	1,200	sf	\$	53.00	\$	63,600		
Slurry and stripe existing hardcourts	4,500	sf	\$	4.24	\$	19,080		
Elementary play yard and hardcourts								
New rubber surfacing	5,400	sf	\$	23.32	\$	125,928		
Resurface and repair hardcourts	35,300	sf	\$	6.36	\$	224,508	repair not recom replacement is id-	
16. Next Generation Learning Furniture					\$	742,000	\$	742,000
Flexible furniture per classroom (direct cost)	28	ea	\$	26,500.00	\$	742,000		
17. Technology Infrastructure & Equipment					\$	625,000	\$	625,000
Observed to be a close of the code and in the code of								
Classroom tech package - smart boards, projector, project mounts, flat screen monitor, audio system, etc. (direct cost)	28	ea	\$	12.720.00	e	356.160		
Upgrade backbone, wireless access points, and switches	20	еа	φ	12,720.00	φ	330,100		
(direct cost)	28,910	sf	\$	4.64	\$	134 070	all CR's at 50%	
Upgrade fiber to support (direct cost)	28,910	sf	\$	4.64		134,070	all CR's at 50%	
			Ė					
TOTAL PROJECT COSTS (2018\$)					\$	9,003,000	\$	11,532,000
, ,,								

North Davis ES Masterplan Estimate

Construction Cost Summary

				Co	nstruction	
				Cost	Sub-	Total Project Cost
	Area	Unit	Unit Cost		Total	25% (x 1.33)
4 Madamira (Baransiana Caladana Olasana				•	4 544 000	
1. Modernize / Reconfigure Existing Classrooms				\$	1,511,000	\$ 2,010,000
Existing classrooms (MEP scope covered in Section C)						
Structural upgrades						
Slab settlement issue	7,680	sf	\$ 20.00		153,600	1957 CR bldg
Roof / wall connections	12,480	sf	\$ 15.90	\$	198,432	
Walls						
Replace existing walls	2,880	sf	\$ 21.20	\$	61,056	
Repair existing walls	9,600	sf	\$ 5.30	\$	50,880	
Windows						
Replace existing windows	12,480	sf	\$ 23.85	\$	297,648	
Doors						
Replace existing doors	2,880	sf	\$ 15.90	\$	45,792	
Repair existing doors	9,600	sf	\$ 5.30	\$	50,880	
Floors						
Replace existing floors	12,480	sf	\$ 17.49	\$	218,275	
Ceilings						
Replace existing ceilings	12,480	sf	\$ 26.50	\$	330,720	
Exteriors						
						Paint trim and seal
Patch, repair and paint	12,480	sf	\$ 5.30	\$	66,144	concrete
ADA upgrades, allowance	12,480	sf	\$ 3.00	\$	37,440	
2. Existing Building Systems, Toilets and Improved B	nergy Efficienc	у		\$	596,000	\$ 793,000
Restroom upgrades						
Minor modernization	1,050	sf	\$ 66.25		69,563	
Reconfigure	75	sf	\$ 265.00	\$	19,875	gender neutral restroom
Building systems						
EMS systems upgrades	19,290	sf	\$ 7.95	\$	153,356	
Lighting and controls upgrades	19,290	sf	\$ 10.60	\$	204,474	mod. at 50%
Convenience power upgrades	19,290	sf	\$ 6.89	\$	132,908	
Replace drinking fountains with ADA fountains including	3	ea	\$ 5,088.00	\$	15,264	
bottle filler						
3. Site Utilities & Infrastructure				\$	1,024,000	\$ 1,362,000
Based on entire campus area, upgrade existing utilities;						
Natural gas service	657,000	sf	\$ 0.11	\$	69,642	mod. at 25%
Sanitary sewer service	657,000	sf	\$ 0.21	\$	139,284	mod. at 25%
Domestic and fire water service	657,000	sf	\$ 0.27	\$	174,105	mod. at 25%
Electrical mains and distribution	657,000	sf	\$ 0.53	\$	174,976	mod. at 25%
Storm drain service	657,000	sf	\$ 0.27	\$	174,105	mod. at 25%
Electrical capacity upgrades	1	ls	\$ 291,500.00	\$	291,500	

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5/24/18

North Davis ES

5/24/18

Masterplan Estimate

5/24/18

Construction Cost Summary

						onstruction	_	
	Area	Unit		Unit Cost	Cost	Sub- Total		tal Project Cos 25% (x 1.33)
4. New Construction (Classrooms)					\$	10,201,000	\$	13,568,00
Pre-school and kindergarten								
Remove portable classrooms	2	ea	\$	12,720.00	\$	25,440		
Classrooms, one story building	5,940	sf	\$	467.46	\$	2,776,712		
Site improvements surrounding building pad	5,940	sf	\$	44.52	\$	264,449		
Student collaboration lab								
Classrooms, two story building	1,277	sf	\$	514.10	\$	656,403		
Site improvements surrounding building pad	638	sf	\$	44.52	\$	28,422		
Elementary school								
Remove portable classrooms	11	ea	\$	12,720.00	\$	139,920		
Classrooms, two story building	11,491	sf	\$	526.82	\$	6,053,794		
Site improvements surrounding building pad	5,746	sf	\$	44.52	\$	255,794		
5. Elementary STEM & JrHS/HS Science Programs No scope in this category					\$	-	\$	-
6. JrHS/HS Electives Improvements No scope in this category					\$	-	\$	-
7. Music, Drama & Performing Arts Improvements					\$			
					•	759,000	\$	1,010,00
Music lab classroom					·	,	\$	1,010,00
Music lab classroom Lab classrooms, one story building	1,320	sf	\$	530.00	·	759,000 699,600	\$	1,010,00
	1,320 1,320	sf sf	\$	530.00 44.52	\$,	\$	1,010,00
Lab classrooms, one story building Site improvements surrounding building pad					\$	699,600	\$ 	
Lab classrooms, one story building Site improvements surrounding building pad 8. MPR, Student Union & Food Service Improvements					\$ \$	699,600 58,766 6,858,000		9,122,00
Lab classrooms, one story building Site improvements surrounding building pad 8. MPR, Student Union & Food Service Improvements Demolish existing buildings	1,320	sf	\$	44.52	\$ \$	699,600 58,766		
Lab classrooms, one story building Site improvements surrounding building pad 8. MPR, Student Union & Food Service Improvements Demolish existing buildings Multi-purpose rooms	1,320	sf	\$	44.52	\$ \$ \$	699,600 58,766 6,858,000		
Lab classrooms, one story building Site improvements surrounding building pad B. MPR, Student Union & Food Service Improvements Demolish existing buildings Multi-purpose rooms MPR, one story building	1,320 2,560 8,388	sf	\$	44.52 26.50	\$ \$ \$	699,600 58,766 6,858,000 67,840		
Lab classrooms, one story building Site improvements surrounding building pad 8. MPR, Student Union & Food Service Improvements Demolish existing buildings Multi-purpose rooms MPR, one story building Site improvements surrounding building pad	1,320 2,560	sf sf	\$	26.50 583.00	\$ \$ \$	699,600 58,766 6,858,000 67,840 4,889,913		
Lab classrooms, one story building Site improvements surrounding building pad 8. MPR, Student Union & Food Service Improvements Demolish existing buildings Multi-purpose rooms MPR, one story building Site improvements surrounding building pad Food service	1,320 2,560 8,388 8,388	sf sf	\$	26.50 583.00 44.52	\$ \$ \$ \$	699,600 58,766 6,858,000 67,840 4,889,913 373,412		
Lab classrooms, one story building Site improvements surrounding building pad 3. MPR, Student Union & Food Service Improvements Demolish existing buildings Multi-purpose rooms MPR, one story building Site improvements surrounding building pad Food service Food service, one story building	1,320 2,560 8,388 8,388 1,650	sf sf sf sf	\$ \$ \$	26.50 583.00 44.52 694.30	\$ \$ \$ \$	699,600 58,766 6,858,000 67,840 4,889,913 373,412 1,145,595		
Lab classrooms, one story building Site improvements surrounding building pad 8. MPR, Student Union & Food Service Improvements Demolish existing buildings Multi-purpose rooms MPR, one story building Site improvements surrounding building pad Food service Food service, one story building Site improvements surrounding building pad	1,320 2,560 8,388 8,388 1,650 1,650	sf sf sf sf sf	\$ \$ \$ \$	26.50 583.00 44.52 694.30 44.52	\$ \$ \$ \$ \$ \$	699,600 58,766 6,858,000 67,840 4,889,913 373,412 1,145,595 73,458		
Lab classrooms, one story building Site improvements surrounding building pad 8. MPR, Student Union & Food Service Improvements Demolish existing buildings Multi-purpose rooms MPR, one story building Site improvements surrounding building pad Food service Food service, one story building Site improvements surrounding building pad New trash enclosure	2,560 8,388 8,388 1,650 1,650	sf sf sf sf sf sf	\$ \$ \$ \$ \$	26.50 583.00 44.52 694.30 44.52 53,000.00	\$ \$ \$ \$ \$ \$ \$ \$	699,600 58,766 6,858,000 67,840 4,889,913 373,412 1,145,595 73,458 53,000		
Lab classrooms, one story building Site improvements surrounding building pad 8. MPR, Student Union & Food Service Improvements Demolish existing buildings Multi-purpose rooms MPR, one story building Site improvements surrounding building pad Food service Food service, one story building Site improvements surrounding building pad	1,320 2,560 8,388 8,388 1,650 1,650	sf sf sf sf sf	\$ \$ \$ \$	26.50 583.00 44.52 694.30 44.52	\$ \$ \$ \$ \$ \$ \$ \$	699,600 58,766 6,858,000 67,840 4,889,913 373,412 1,145,595 73,458		

Construction Cost Summary

					Co	nstruction	
					Cost	Sub-	
	Area	Unit		Unit Cost		Total	25% (x 1.33)
10. Staff and Community Support					\$	2,473,000	\$ 3,290,000
Demolish existing buildings	1,612	sf	\$	26.50	\$	42,718	
Administration							
Admin, one story building	2,475	sf	\$	461.10	\$	1,141,223	
Site improvements surrounding building pad	2,475	sf	\$	44.52	\$	110,187	
Staff work rooms							
Admin, one story building	990	sf	\$	461.10	\$	456,489	
Admin, two story building	1,277	sf	\$	508.80	\$	649,636	
Site improvements surrounding building pad	1,628	sf	\$	44.52	\$	72,496	
11. Library & Student Support Services					\$	2,322,000	\$ 3,089,000
Elementary school library and innovation lab							
Reconfigure	3,840	sf	\$	286.20	\$	1,099,008	
Learning center							
Reconfigure	1,920	sf	\$	279.84	\$	537,293	
Classrooms, two story building	1,277	sf	\$	514.10	\$	656,403	counseling center
Site improvements surrounding building pad	638	sf	\$	44.52	\$	28,422	
12. Safety and Security					\$	985,000	\$ 1,311,000
New covered walkways	700	sf	\$	106.00	s	74,200	,,,,,,,,,
Decorative metal fencing and gates	820	If	\$	296.80	*	243,376	
Rolling decorative metal gate	3	ea	\$	47,700.00		143,100	
New exterior lighting for student safety	1	ls	\$	80,000.00		80,000	
New safety locks to existing classroom doors	21	ea	\$	1,351.50		28,382	
New emergency signs and posts	1	ls	\$	38,160.00		38,160	
New marquee sign	1	ea	\$	21,200.00		21,200	
Low voltage upgrades	·	00	•	21,200.00	*	21,200	
Fire alarm system	19.290	sf	\$	6.36	\$	122.684	
New fire alarm head end equipment, allowance	10,230	ls	\$	26,500.00		26.500	
Emergency lighting	19.290	sf	\$	1.70	s	32,716	
PA / emergency communication systems	19,290	sf	\$	9.01	*	173,803	
Intrusion alarms	19.290	sf	\$	2.12	•	Excluded	
Other security systems	19,290	sf	\$	2.54		Excluded	

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Construction Cost Summary

	Area	Unit		Unit Cost	Construction Cost Sub- Total			Total Project Cost 25% (x 1.33)	
13. Bike / Car Parking & Drop-off					\$	867,000	\$	1,154,000	
Slurry and stripe existing parking lot	9.250	sf	\$	4.24	•	39,220	•	1,104,000	
New parking lot	16.425	sf	\$	19.08	*	313.389			
New drop-off area	11.625	sf	\$	21.20		246,450			
New access road	3.500	sf	\$	19.19		67.151			
New concrete pedestrian paving	2,400	sf	\$	19.08		45,792			
Entry plaza upgrades	3,350	sf	\$	30.74		102,979			
Bike parking incl. fencing and gates, AC paving and bike rac	2,450	sf	\$	20.87	*	51,132			
14. Outdoor Learning Courts, Quads & Gardens					\$	240,000	\$	320,000	
New learning courts	8.700	sf	\$	27.56	\$	239,772	*	020,000	
New localiting courts	0,700	- 01	Ψ	21.00	Ψ	200,112			
15. Exterior Play Spaces, Playfields & Hardcourts					\$	451,000	\$	600,000	
Pre-school and kindergarten play yard									
New rubber surfacing	800	sf	\$	23.32	\$	18,656			
Shade structure	1,200	sf	\$	53.00	\$	63,600			
Slurry and stripe existing hardcourts	6,400	sf	\$	4.24	\$	27,136			
Elementary play yard and hardcourts									
New rubber surfacing	6,000	sf	\$	23.32	\$	139,920			
New hardcourts	12,250	sf	\$	12.72	\$	155,820			
New basketball courts and hoops	6	ea	\$	5,830.00	\$	34,980			
New ball walls	1	ea	\$	10,600.00	\$	10,600			
16. Next Generation Learning Furniture					\$	716,000	\$	716,000	
Flexible furniture per classroom (direct cost)	27	ea	\$	26,500.00	\$	715,500	·	.,	
17. Technology Infrastructure & Equipment				•	\$	702,000	\$	702,000	
Classroom tech package - smart boards, projector, project									
mounts, flat screen monitor, audio system, etc. (direct cost)	27	ea	\$	12,720.00	\$	343,440			
Upgrade backbone, wireless access points, and switches									
(direct cost)	19,290	sf	\$	9.28	\$	178,915			
Upgrade fiber to support (direct cost)	19,290	sf	\$	9.28	\$	178,915			
TOTAL PROJECT COSTS (2018\$)					\$	29,702,000	\$	39,047,000	

Construction Cost Summary

					Construction			
	Area	Unit		Unit Cost	Cost	Sub- Total	Total Project Cost 25% (x 1.33)	
	Alea	UIIIL	<u> </u>	Ullit Cost	<u> </u>	TOLAI	25% (X 1.33)	
1. Modernize / Reconfigure Existing Classrooms					\$	2,329,000	\$ 3,098,000	
Existing classrooms (MEP scope covered in Section C)								
Walls								
Replace existing walls	960	sf	\$	21.20	\$	20,352		
Repair existing walls	18,060	sf	\$	5.30	\$	95,718		
Windows								
Replace existing windows	19,020	sf	\$	53.66	\$	1,020,661	includes clerestory	
Doors								
Replace existing doors	960	sf	\$	15.90	\$	15,264		
Repair existing doors	18,060	sf	\$	5.30	\$	95,718		
Floors								
Replace existing floors	19,020	sf	\$	17.49	\$	332,660		
Ceilings								
Replace existing ceilings	19,020	sf	\$	26.50	\$	504,030		
Exteriors								
Patch, repair and paint	19,020	sf	\$	5.30	\$	100,806		
Roofing								
Patch and repair leaks, etc.	32,625	sf	\$	2.65	\$	86,456	minor for HVAC install	
ADA upgrades, allowance	19,020	sf	\$	3.00	\$	57,060		
2. Existing Building Systems, Toilets and Improved E	nergy Efficiency				\$	2,471,000	\$ 3,287,000	
Restroom upgrades								
Moderate modernization	2,200	sf	\$	132.50	\$	291,500		
Reconfigure	75	sf	\$	265.00	\$	19,875	gender neutral restroo	
Building systems								
HVAC upgrades	32,625	sf	\$	33.92	\$	1,106,640		
Plumbing upgrades	32,625	sf	\$	6.36	\$	207,495	mod. at 50%	
EMS systems upgrades	32,625	sf	\$	7.95	\$	259,369		
Lighting and controls upgrades	32,625	sf	\$	10.60	\$	345,825	mod. at 50%	
Convenience power upgrades	32,625	sf	\$	6.89	\$	224,786		
Replace drinking fountains with ADA fountains including bottle filler	3	ea	\$	5,088.00	\$	15,264		
3. Site Utilities & Infrastructure					\$		\$ -	
No scope in this category					*		*	
140 Scope III lilis category							j	

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Patwin ES Masterplan Estimate

5/24/18

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Construction Cost Summary

					С	onstruction		
					Cos	t Sub-		al Project Cost
	Area	Unit		Unit Cost		Total	2	25% (x 1.33)
4. New Construction (Classrooms)					\$	4,909,000	\$	6,529,000
Pre-school and kindergarten								
Classrooms, one story building	2,970	sf	\$	467.46	\$	1,388,356		
Site improvements surrounding building pad	2,970	sf	\$	44.52	\$	132,224		
Student collaboration lab								
Classrooms, one story building	1.056	sf	\$	466.40	\$	492.518		
Site improvements surrounding building pad	1,056	sf	\$	44.52	\$	47,013		
Elementary school	.,		•		•	,		
Remove portable classrooms	7	ea	\$	12,720.00	s	89.040		
Classrooms, one story building	5.280	sf	\$	478.06	\$	2,524,157		
Site improvements surrounding building pad	5,280	sf	\$	44.52	\$	235,066		
One improvements surrounding building pad	0,200	01	•	44.02	•	200,000		
5. Elementary STEM & JrHS/HS Science Programs					\$	367.000	\$	489.000
Elementary science and STEM labs					•	001,000	•	.00,000
Moderate modernization	1.920	sf	\$	190.80	s	366.336		
Woderate modernization	1,320	31	Ÿ	130.00	Ψ	300,330		
6. JrHS/HS Electives Improvements					\$		\$	
•					Ψ		Ψ	
No scope in this category								
7. Music, Drama & Performing Arts Improvements					\$	306,000	\$	407,000
· · · · · · · · · · · · · · · · · · ·					Ţ	300,000	۳	407,000
Music lab classroom	000	,	•	040.00	•	005.000		
Reconfigure	960	sf	\$	318.00	\$	305,280		
8. MPR, Student Union & Food Service Improvements					\$	1,311,000	\$	1,744,000
Multi-purpose rooms					•	.,,	*	.,,
Moderate modernization	5,000	sf	\$	185.50	s	927,500		
Food service	3,000	31	Ÿ	100.00	Ψ	321,000		
Moderate modernization	450	sf	\$	206.70	\$	93,015		
						35.775		
New kitchen equipment, allowance	450 2.400	sf	\$	79.50	\$,		
New lunch shelter	2,400	sf	\$	106.00	\$	254,400		
O Diversity Education Incomments					•			
9. Physical Education Improvements					\$	•	\$	•
No scope in this category								
10 Staff and Community Sunnort					\$	376,000	\$	501,000
10. Staff and Community Support					Þ	310,000	Þ	JU 1,000
Administration	4	,	•	440.00	•	005.000		
Moderate modernization	1,575	sf	\$	143.10	\$	225,383		
Staff work rooms								
Moderate modernization	1,050	sf	\$	143.10	\$	150,255	l	

Construction Cost Summary

					Co	nstruction		
	A	1114		11-14-04	Cost			oject Cost
	Area	Unit		Unit Cost		Total	25%	(x 1.33)
11. Library & Student Support Services					\$	2,224,000	\$	2,958,000
Elementary school library and innovation lab								
Minor modernization	2,500	sf	\$	111.30	\$	278,250		
Reconfigure	900	sf	\$	286.20	\$	257,580		
Lab classrooms, one story building	1,155	sf	\$	482.30	\$	557,057		
Site improvements surrounding building pad	1,155	sf	\$	44.52	\$	51,421		
Learning center								
Classrooms, one story building	2,112	sf	\$	466.40	\$	985,037		
Site improvements surrounding building pad	2,112	sf	\$	44.52	\$	94,026		
12. Safety and Security					\$	1,155,000	\$	1,537,000
New concrete pedestrian paving	1,000	sf	\$	19.08		19,080	Ť	.,00.,00
Repair concrete pedestrian paving	2,200	sf	\$	11.66		25,652		
Decorative metal fencing and gates	860	If	\$	296.80		255,248		
Rolling decorative metal gate	2	ea	s	47,700.00		95,400		
New exterior lighting for student safety	1	ls	s	80,000.00		80,000		
New safety locks to existing classroom doors	27	ea	\$	1.351.50		36,491		
New emergency signs and posts	1	ls	s	38,160.00		38,160		
New marquee sign	1	ea	\$	21,200.00		21,200		
Low voltage upgrades								
Fire alarm system	32,625	sf	\$	6.36	s	207,495		
New fire alarm head end equipment, allowance	1	ls	\$	26,500.00	\$	26,500		
Emergency lighting	32,625	sf	\$	1.70	\$	55,332		
PA / emergency communication systems	32,625	sf	\$	9.01	\$	293,951		
Intrusion alarms	32,625	sf	\$	2.12		Excluded		
Other security systems	32,625	sf	\$	2.54		Excluded	cameras	
12 Bike / Car Barking & Drop off					\$	403,000	\$	536,00
13. Bike / Car Parking & Drop-off Slurry and stripe existing parking lot	17,800	sf	\$	4.24	ş S	75,472	۳	330,000
New drop-off area	9,650	sf	\$	21.20		204,580		
New concrete pedestrian paving		si sf	\$	19.08	\$ \$	55,332		
Bike parking incl. fencing and gates, AC paving and bike racks	2,900 3,200	sf	\$	20.87		66,784		
bike paiking files, rending and gates, AC paving and bike racks	3,200	SI	ş	20.87	ð	00,784		
14. Outdoor Learning Courts, Quads & Gardens					\$	481,000	\$	640,00
New student quad	8,500	sf	\$	27.56	\$	234,260		
New learning courts	7,200	sf	\$	27.56	\$	198,432		
New learning court under trees	3,500	sf	\$	13.78	\$	48,230		

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Construction Cost Summary

				(Construction	
				Cos	t Sub-	Total Project Cost
	Area	Unit	Unit Cost		Total	25% (x 1.33)
15. Exterior Play Spaces, Playfields & Hardcourts				\$	487.000	\$ 648,000
Pre-school and kindergarten play yard					, , , , , ,	,
New rubber surfacing	2.500	sf	\$ 23.32	\$	58,300	
Shade structure	1,200	sf	\$ 53.00	\$	63,600	
Elementary play yard and hardcourts					•	
New rubber surfacing	4,375	sf	\$ 23.32	\$	102,025	
Resurface and repair hardcourts	8,000	sf	\$ 6.36	\$	50,880	
Repair playfields	66,600	sf	\$ 3.18	\$	211,788	
16. Next Generation Learning Furniture				\$	663,000	\$ 663,000
Flexible furniture per classroom (direct cost)	25	ea	\$ 26,500.00	\$	662,500	
17. Technology Infrastructure & Equipment				\$	621,000	\$ 621,000
Classroom tech package - smart boards, projector, project						
mounts, flat screen monitor, audio system, etc. (direct cost)	25	ea	\$ 12,720.00	\$	318,000	
Upgrade backbone, wireless access points, and switches						
(direct cost)	32,625	sf	\$ 4.64	-	151,298	all CR's at 50%
Upgrade fiber to support (direct cost)	32,625	sf	\$ 4.64	\$	151,298	all CR's at 50%
TOTAL PROJECT COSTS (2018\$)				\$	18,100,000	\$ 23,658,000

Pioneer ES

Masterplan Estimate 5/24/18

Construction Cost Summary

					C	onstruction	
					Cost		
	Area	Unit		Unit Cost		Total	25% (x 1.33)
Modernize / Reconfigure Existing Classrooms					\$	1,751,000	\$ 2,329,000
Existing classrooms (MEP scope covered in Section C)							
Structural upgrades							
Roof / wall connections	16,000	sf	\$	15.90	\$	254,400	1974 buildings
Walls							
Replace existing walls	480	sf	\$	21.20	\$	10,176	
Repair existing walls	19,780	sf	\$	5.30	\$	104,834	
Windows							
Replace existing windows	20,260	sf	\$	23.85	\$	483,201	
Doors							
Repair existing doors	20,260	sf	\$	5.30	\$	107,378	
Floors							
Replace existing floors	20,260	sf	\$	17.49	\$	354,347	
Ceilings							
Repair existing ceilings	20,260	sf	\$	13.25	\$	268,445	
Exteriors							
Patch, repair and paint	20,260	sf	\$	5.30	s	107,378	
ADA upgrades, allowance	20,260	sf	\$	3.00	s	60,780	
10	-						
2. Existing Building Systems, Toilets and Improved Er	nergy Efficiency				\$	717,000	\$ 954,000
Restroom upgrades							,
Reconfigure	75	sf	\$	265.00	s	19,875	gender neutral restroo
Building systems			·				3
EMS systems upgrades	26,770	sf	\$	7.95	s	212,822	
Lighting and controls upgrades	26,770	sf	\$	10.60		283,762	mod. at 50%
Convenience power upgrades	26,770	sf	\$	6.89		184,445	11104. 41 00 70
Replace drinking fountains with ADA fountains including	3	ea	\$	5,088.00		15,264	
bottle filler						•	
3. Site Utilities & Infrastructure					\$	997,000	\$ 1,327,000
Site Utilities & Infrastructure Based on entire campus area, upgrade existing utilities;					\$	997,000	\$ 1,327,000
	387,000	sf	\$	0.14	·	997,000 54,149	\$ 1,327,000 mod. at 33%
Based on entire campus area, upgrade existing utilities;	387,000 387,000	sf sf	\$	0.14 0.28	\$	·	
Based on entire campus area, upgrade existing utilities; Natural gas service					\$	54,149	mod. at 33%
Based on entire campus area, upgrade existing utilities; Natural gas service Sanitary sewer service	387,000	sf	\$	0.28	\$ \$ \$	54,149 108,298	mod. at 33% mod. at 33%
Based on entire campus area, upgrade existing utilities; Natural gas service Sanitary sewer service Domestic and fire water service	387,000 387,000	sf sf	\$	0.28 0.35 0.70	\$ \$ \$	54,149 108,298 135,373	mod. at 33% mod. at 33% mod. at 33%

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Pioneer ES Masterplan Estimate

5/24/18

Construction Cost Summary

						Construction			
	Area	Unit		Unit Cost	Cost	Sub- Total	T	otal Project Cost 25% (x 1.33)	
					<u> </u>				
4. New Construction (Classrooms)					\$	4,861,000	\$	6,466,000	
Pre-school and kindergarten									
Classrooms, one story building	1,485	sf	\$	467.46	\$	694,178			
Site improvements surrounding building pad	1,485	sf	\$	44.52	\$	66,112			
Student collaboration lab									
Classrooms, one story building	1,320	sf	\$	466.40	\$	615,648			
Site improvements surrounding building pad	1,320	sf	\$	44.52	\$	58,766			
Elementary school									
Remove portable classrooms	9	ea	\$	12,720.00	\$	114,480			
Classrooms, one story building	6,336	sf	\$	478.06	\$	3,028,988			
Site improvements surrounding building pad	6,336	sf	\$	44.52	\$	282,079			
5. Elementary STEM & JrHS/HS Science Programs					\$	780,000	\$	1,038,00	
Elementary science and STEM labs									
Lab classrooms, one story building	1,320	sf	\$	545.90	\$	720,588			
Site improvements surrounding building pad	1,320	sf	\$	44.52	\$	58,766			
6. JrHS/HS Electives Improvements					\$	•	\$	-	
No scope in this category									
							•		
7. Music, Drama & Performing Arts Improvements					\$	-	\$		
					\$	-	\$	-	
7. Music, Drama & Performing Arts Improvements No scope in this category								-	
7. Music, Drama & Performing Arts Improvements No scope in this category 8. MPR, Student Union & Food Service Improvements					\$		\$		
7. Music, Drama & Performing Arts Improvements No scope in this category						-		-	
7. Music, Drama & Performing Arts Improvements No scope in this category 8. MPR, Student Union & Food Service Improvements No scope in this category					\$	552 000	\$	735 000	
7. Music, Drama & Performing Arts Improvements No scope in this category 8. MPR, Student Union & Food Service Improvements No scope in this category 9. Physical Education Improvements						552,000		735,000	
7. Music, Drama & Performing Arts Improvements No scope in this category 8. MPR, Student Union & Food Service Improvements No scope in this category 9. Physical Education Improvements PE / fitness rooms	1056	of	•	478.06	\$,	\$	735,00	
7. Music, Drama & Performing Arts Improvements No scope in this category 8. MPR, Student Union & Food Service Improvements No scope in this category 9. Physical Education Improvements PE / fitness rooms Classrooms, one story building	1,056	sf ef	\$ \$	478.06 44.52	\$ \$ \$	504,831	\$	735,000	
7. Music, Drama & Performing Arts Improvements No scope in this category 8. MPR, Student Union & Food Service Improvements No scope in this category 9. Physical Education Improvements PE / fitness rooms	1,056 1,056	sf sf	\$ \$	478.06 44.52	\$ \$ \$,	\$	735,000	
7. Music, Drama & Performing Arts Improvements No scope in this category 8. MPR, Student Union & Food Service Improvements No scope in this category 9. Physical Education Improvements PE / fitness rooms Classrooms, one story building Site improvements surrounding building pad					\$ \$ \$ \$	504,831 47,013	\$		
7. Music, Drama & Performing Arts Improvements No scope in this category 8. MPR, Student Union & Food Service Improvements No scope in this category 9. Physical Education Improvements PE / fitness rooms Classrooms, one story building Site improvements surrounding building pad					\$ \$ \$	504,831	\$	735,00	
7. Music, Drama & Performing Arts Improvements No scope in this category 8. MPR, Student Union & Food Service Improvements No scope in this category 9. Physical Education Improvements PE / fitness rooms Classrooms, one story building Site improvements surrounding building pad 10. Staff and Community Support Administration	1,056	sf	\$	44.52	\$ \$ \$ \$	504,831 47,013 451,000	\$		
7. Music, Drama & Performing Arts Improvements No scope in this category 8. MPR, Student Union & Food Service Improvements No scope in this category 9. Physical Education Improvements PE / fitness rooms Classrooms, one story building Site improvements surrounding building pad					\$ \$ \$ \$	504,831 47,013	\$		

Construction Cost Summary

				Co	nstruction		
				Cost	Sub		roject Cost
	Area	Unit	Unit Cost		Total	25%	(x 1.33)
11. Library & Student Support Services				\$	806,000	\$	1,072,000
Elementary school library and innovation lab					,		
Moderate modernization	3.360	sf	\$ 159.00	s	534.240		
Learning center							
Moderate modernization	1,830	sf	\$ 148.40	\$	271,572		
12. Safety and Security				\$	1,098,000	\$	1,461,000
Decorative metal fencing and gates	995	If	\$ 296.80	\$	295,316		
Rolling decorative metal gate	3	ea	\$ 47,700.00	\$	143,100		
New exterior lighting for student safety	1	ls	\$ 80,000.00	\$	80,000		
New safety locks to existing classroom doors	27	ea	\$ 1,351.50	\$	36,491		
New emergency signs and posts	1	ls	\$ 38,160.00	\$	38,160		
New marquee sign	1	ea	\$ 21,200.00	\$	21,200		
Low voltage upgrades							
Fire alarm system	26,770	sf	\$ 6.36	\$	170,257		
New fire alarm head end equipment, allowance	1	ls	\$ 26,500.00	\$	26,500		
Emergency lighting	26,770	sf	\$ 1.70	\$	45,402		
PA / emergency communication systems	26,770	sf	\$ 9.01	\$	241,198		
Intrusion alarms	26,770	sf	\$ 2.12		Excluded		
Other security systems	26,770	sf	\$ 2.54		Excluded	cameras	
						_	
13. Bike / Car Parking & Drop-off				\$	203,000	\$	270,000
New parking lot	8,400	sf	\$ 19.08	\$	160,272		
Bike parking incl. fencing and gates, AC paving and bike rack	2,000	sf	\$ 20.87	\$	41,740		
14. Outdoor Learning Courts, Quads & Gardens				\$	729,000	\$	970.000
New student quad	11,200	sf	\$ 26.18		293,238	Ť	0.0,000
New learning courts	15,300	sf	\$ 24.80	s	379,501		
New student garden	3,750	sf	\$ 14.84	\$	55,650	upgrades	s to existing
				•			
15. Exterior Play Spaces, Playfields & Hardcourts				\$	434,000	\$	578,000
Pre-school and kindergarten play yard							
New rubber surfacing	2,500	sf	\$ 23.32	\$	58,300		
Shade structure	1,200	sf	\$ 53.00	\$	63,600		
Elementary play yard and hardcourts							
New rubber surfacing	2,800	sf	\$ 23.32	\$	65,296		
Play apparatus	1	ea	\$ 81,620.00	\$	81,620		
Repair playfields	103,325	sf	\$ 1.59	\$	164,287	minor	

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Construction Cost Summary

				Cost	onstruction Sub-	Total Project Cos
	Area	Unit	Unit Cost		Total	25% (x 1.33)
16. Next Generation Learning Furniture				\$	742,000	\$ 742,00
Flexible furniture per classroom (direct cost)	28	ea	\$ 26,500.00	\$	742,000	
17. Technology Infrastructure & Equipment				\$	853,000	\$ 853,000
Classroom tech package - smart boards, projector, project mounts, flat screen monitor, audio system, etc. (direct cost) Upgrade backbone, wireless access points, and switches	28	ea	\$ 12,720.00	\$	356,160	
(direct cost)	26,770	sf	\$ 9.28	\$	248,292	
Upgrade fiber to support (direct cost)	26,770	sf	\$ 9.28	\$	248,292	
TOTAL PROJECT COSTS (2018\$)				\$	14,971,000	\$ 19,395,000

Willett ES Masterplan Estimate

5/24/18 **Construction Cost Summary**

						onstruction		
	Area	Unit		Unit Cost	Cost	Sub- Total		oject Cost x 1.33)
Modernize / Reconfigure Existing Classrooms					\$	1,502,000	\$	1,998,000
Existing classrooms (MEP scope covered in Section C)					•	1,002,000	,	1,000,000
Walls								
Replace existing walls	4,200	sf	\$	21.20	\$	89,040		
Repair existing walls	14,720	sf	\$	5.30	\$	78,016		
Windows								
Replace existing windows	18,920	sf	\$	23.85	\$	451,242		
Doors								
Replace existing doors	4,200	sf	\$	15.90	\$	66,780		
Repair existing doors	14,720	sf	\$	5.30	\$	78,016		
Floors								
Replace existing floors	18,920	sf	\$	17.49	\$	330,911		
Ceilings								
Repair existing ceilings	18,920	sf	\$	13.25	\$	250,690		
Exteriors								
Patch, repair and paint	18,920	sf	\$	5.30	\$	100,276		
ADA upgrades, allowance	18,920	sf	\$	3.00		56,760		
10			_					
2. Existing Building Systems, Toilets and Improved En	nergy Efficiency	,			\$	1,202,000	\$	1,599,000
Restroom upgrades								
Moderate modernization	525	sf	\$	132.50	\$	69,563		
Reconfigure	1,325	sf	\$	265.00	\$	351,125	includes gende	er neutral restroo
Building systems								
EMS systems upgrades	30,080	sf	\$	7.95	\$	239,136		
Lighting and controls upgrades	30,080	sf	\$	10.60		318,848	mod. at 50%	
Convenience power upgrades	30.080	sf	\$	6.89	\$	207,251		
Replace drinking fountains with ADA fountains including bottle filler	3	ea	\$	5,088.00	\$	15,264		
50.00 101								
3. Site Utilities & Infrastructure					\$	923,000	\$	1,228,000
Based on entire campus area, upgrade existing utilities;					•	020,000	*	1,220,000
Natural gas service	346,000	sf	\$	0.14	\$	48,412	mod. at 33%	
Sanitary sewer service	346,000	sf	\$	0.14		96,825		
Domestic and fire water service	346,000	sf	\$	0.26		121,031		
Electrical mains and distribution	346,000	sf	\$	0.33		243.272		
Storm drain service	346,000	sf	\$	0.70		121,031	mod. at 33%	
	346,000	ST Is	\$					
Electrical capacity upgrades	1	ıS	ф	291,500.00	à	291,500	l	

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Willett ES

5/24/18

Construction Cost Summary

					Cos	onstruction		Total Dusings Const
	Area	Unit		Unit Cost	Cos	Total		Total Project Cost 25% (x 1.33)
I. New Construction (Classrooms)					\$	7,798,000	\$	10,372,000
Student collaboration lab					•	.,,	,	,
Classrooms, two story building	1.277	sf	\$	514.10	\$	656,403		
Site improvements surrounding building pad	638	sf	\$	44.52		28,422		
Elementary school	000	0.	•	11.02	•	20,122		
Remove portable classrooms	8	ea	\$	12,720.00	\$	101.760		
Classrooms, two story building	12.768	sf	\$	526.82		6,726,438		
Site improvements surrounding building pad	6,384	sf	\$	44.52		284,216		
5. Elementary STEM & JrHS/HS Science Programs					s	1,094,000	\$	1,456,000
Remove portable classrooms	2	ea	\$	12,720.00	•	25,440	۳	1,400,000
Elementary science and STEM labs	2	еа	φ	12,720.00	φ	20,440		
Reconfigure	3,360	sf	\$	318.00	e	1,068,480		
6. JrHS/HS Electives Improvements No scope in this category					\$	-	\$	•
ivo scope in una category								
7. Music, Drama & Performing Arts Improvements					\$	759,000	\$	1,010,000
Music lab classroom								
Lab classrooms, one story building	1,320	sf	\$	530.00	\$	699,600		
Site improvements surrounding building pad	1,320	sf	\$	44.52	\$	58,766		
8. MPR, Student Union & Food Service Improvements					\$	6,790,000	\$	9,031,000
Multi-purpose rooms								
MPR, one story building	8,388	sf	\$	583.00	\$	4,889,913		
Site improvements surrounding building pad	8,388	sf	\$	44.52	\$	373,412		
Food service								
Food service, one story building	1,650	sf	\$	694.30	\$	1,145,595		
Site improvements surrounding building pad	1,650	sf	\$	44.52	\$	73,458		
New trash enclosure	1	ea	\$	53,000.00	\$	53,000		
New lunch shelter	2,400	sf	\$	106.00	\$	254,400		
O Dhysical Education Improvements					•			
Physical Education Improvements No scope in this category					\$	-	\$	-

Construction Cost Summary

					nstruction	
		Unit	Unit Cost	Cost	Sub- Total	
	Area	Unit	Unit Cost	<u> </u>	lotai	25% (x 1.33)
10. Staff and Community Support				\$	2,342,000	\$ 3,115,000
Administration						
Reconfigure	450	sf	\$ 270.30	\$	121,635	
Admin, one story building	2,860	sf	\$ 461.10	\$	1,318,746	
Admin, two story building	200	sf	\$ 508.80	\$	101,506	
Site improvements surrounding building pad	2,960	sf	\$ 44.52	\$	131,768	
Staff work rooms						
Admin, one story building	1,320	sf	\$ 461.10	\$	608,652	
Site improvements surrounding building pad	1,320	sf	\$ 44.52	\$	58,766	
11. Library & Student Support Services				\$	2,053,000	\$ 2,731,000
Elementary school library and innovation lab						
Reconfigure	4,000	sf	\$ 286.20	\$	1,144,800	
Learning center						
Moderate modernization	1,500	sf	\$ 148.40	\$	222,600	
Classrooms, two story building	1,277	sf	\$ 514.10	\$	656,403	
Site improvements surrounding building pad	638	sf	\$ 44.52	\$	28,422	
12. Safety and Security				\$	1,228,000	\$ 1,634,000
Repair concrete pedestrian paving	5,700	sf	\$ 11.66	\$	66,462	
Chain link fencing and gates	520	lf	\$ 143.10	\$	74,412	backs up to highway
Decorative metal fencing and gates	755	lf	\$ 296.80	\$	224,084	
Rolling decorative metal gate	3	ea	\$ 47,700.00	\$	143,100	
New exterior lighting for student safety	1	ls	\$ 80,000.00	\$	80,000	
New safety locks to existing classroom doors	30	ea	\$ 1,351.50	\$	40,545	
New emergency signs and posts	1	ls	\$ 38,160.00	\$	38,160	
New marquee sign	1	ea	\$ 21,200.00	\$	21,200	
Low voltage upgrades						
Fire alarm system	30,080	sf	\$ 6.36	\$	191,309	
New fire alarm head end equipment, allowance	1	ls	\$ 26,500.00	\$	26,500	
Emergency lighting	30,080	sf	\$ 1.70	\$	51,016	
PA / emergency communication systems	30,080	sf	\$ 9.01	\$	271,021	
Intrusion alarms	30,080	sf	\$ 2.12		Excluded	
Other security systems	30,080	sf	\$ 2.54		Excluded	cameras
13. Bike / Car Parking & Drop-off				\$	591,000	\$ 787,000
New parking lot	9,000	sf	\$ 19.08	\$	171,720	
New access road	6,750	sf	\$ 19.19	\$	129,506	
New concrete pedestrian paving	1,500	sf	\$ 19.08	\$	28,620	
Entry plaza upgrades	3,250	sf	\$ 30.74	\$	99,905	
Bike parking incl. fencing and gates, AC paving and bike rack	7.700	sf	\$ 20.87	\$	160,699	

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Construction Cost Summary

	Area	Unit	Unit Cost	Cos	onstruction t Sub- Total	Total Project Cost 25% (x 1.33)
14. Outdoor Learning Courts, Quads & Gardens				\$	534,000	\$ 711,000
New student quad	8,800	sf	\$ 27.56	\$	242,528	
New learning courts	10,550	sf	\$ 27.56	\$	290,758	
15. Exterior Play Spaces, Playfields & Hardcourts				\$	467,000	\$ 622,000
Pre-school and kindergarten play yard						
New rubber surfacing	2,000	sf	\$ 23.32	\$	46,640	
Play apparatus	1	ea	\$ 81,620.00	\$	81,620	
Shade structure	1,200	sf	\$ 53.00	\$	63,600	
New hardcourts	4,000	sf	\$ 12.72	\$	50,880	
Elementary play yard and hardcourts						
New rubber surfacing	9,600	sf	\$ 23.32	\$	223,872	
16. Next Generation Learning Furniture				\$	742,000	\$ 742,000
Flexible furniture per classroom (direct cost)	28	ea	\$ 26,500.00	\$	742,000	
17. Technology Infrastructure & Equipment				\$	915,000	\$ 915,000
Classroom tech package - smart boards, projector, project mounts, flat screen monitor, audio system, etc. (direct cost)	28	ea	\$ 12,720.00	\$	356,160	
Upgrade backbone, wireless access points, and switches						
(direct cost)	30,080	sf	\$ 9.28		278,992	
Upgrade fiber to support (direct cost)	30,080	sf	\$ 9.28	\$	278,992	
TOTAL PROJECT COSTS (2018\$)				\$	28,936,000	\$ 37,951,000

Ralph Waldo Emerson Jr HS Masterplan Estimate

Construction Cost Summary

-				C	onstruction	
				Cost		
	Area	Unit	 Unit Cost		Total	25% (x 1.33)
I. Modernize / Reconfigure Existing Classrooms				\$	1,646,000	\$ 2,190,000
Existing classrooms (MEP scope covered in Section C)						
Walls						
Replace existing walls	3,825	sf	\$ 21.20	\$	81,090	
Repair existing walls	12,480	sf	\$ 5.30	\$	66,144	
Windows						
Replace existing windows	16,305	sf	\$ 23.85	\$	388,874	
Doors						
Replace existing doors	3,825	sf	\$ 15.90	\$	60,818	
Repair existing doors	12,480	sf	\$ 5.30	\$	66,144	
Floors						
Replace existing floors	16,305	sf	\$ 17.49	\$	285,174	
Ceilings						
Replace existing ceilings	16,305	sf	\$ 26.50	\$	432,083	
Exteriors						
Patch, repair and paint	16,305	sf	\$ 5.30	\$	86,417	
Roofing						
Patch and repair leaks, etc.	70,205	sf	\$ 1.86	\$	130,230	minor for HVAC
ADA upgrades, allowance	16,305	sf	\$ 3.00	\$	48,915	
2. Existing Building Systems, Toilets and Improved En	nergy Efficiency			\$	5,191,000	\$ 6,905,000
Restroom upgrades						
Moderate modernization	4,050	sf	\$	\$	536,625	
Reconfigure	75	sf	\$ 265.00	\$	19,875	gender neutral restroon
Building systems						
HVAC upgrades	70,205	sf	\$ 33.92		2,381,354	
Plumbing upgrades	70,205	sf	\$ 6.36		446,504	mod. at 50%
EMS systems upgrades	70,205	sf	\$ 7.95		558,130	
Lighting and controls upgrades	70,205	sf	\$ 10.60	\$	744,173	mod. at 50%
Convenience power upgrades	70,205	sf	\$ 6.89		483,712	
Replace drinking fountains with ADA fountains including bottle filler	4	ea	\$ 5,088.00	\$	20,352	
3. Site Utilities & Infrastructure				\$	1,876,000	\$ 2,496,000
				\$	1,876,000	\$ 2,496,000
S. Site Utilities & Infrastructure Based on entire campus area, upgrade existing utilities; Natural gas service	1,003,540	sf	\$ 0.14	·	1,876,000 140,415	\$ 2,496,000 mod. at 33%
Based on entire campus area, upgrade existing utilities;	1,003,540 1,003,540	sf sf	\$ 0.14 0.28	\$, , , , , , , , , , , , , , , , , , , ,
Based on entire campus area, upgrade existing utilities; Natural gas service				\$	140,415	mod. at 33%
Based on entire campus area, upgrade existing utilities; Natural gas service Sanitary sewer service	1,003,540	sf	\$ 0.28	\$ \$ \$	140,415 280,831	mod. at 33% mod. at 33%
Natural gas service Sanitary sewer service Domestic and fire water service	1,003,540 1,003,540	sf sf	\$ 0.28 0.35	\$ \$ \$ \$	140,415 280,831 351,038	mod. at 33% mod. at 33% mod. at 33%

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Construction Cost Summary

						nstruction		
					Cost			
	Area	Unit		Unit Cost		Total	25	5% (x 1.33)
4. New Construction (Classrooms)					\$	64,000	\$	86,00
Middle school					•	0.,000	*	00,00
Remove portable classrooms	5	ea	\$	12.720.00	\$	63.600		
			Ė	,				
5. Elementary STEM & JrHS/HS Science Programs					\$	2,346,000	\$	3,121,00
Remove portable classrooms	2	ea	\$	12,720.00	\$	25,440		
Middle science and STEM labs								
Moderate modernization	1,950	sf	\$	190.80	\$	372,060		
Lab classrooms, one story building	3,300	sf	\$	545.90	\$	1,801,470		
Site improvements surrounding building pad	3,300	sf	\$	44.52	\$	146,916		
6. JrHS/HS Electives Improvements					\$	1,110,000	\$	1,477,00
Elective classrooms								
Moderate modernization	6,975	sf	\$	159.00	\$	1,109,025		
7. Music, Drama & Performing Arts Improvements					\$	444,000	\$	591,00
Music lab classroom								
Moderate modernization	2,325	sf	\$	190.80	\$	443,610		
8. MPR, Student Union & Food Service Improvements					\$	1,601,000	\$	2,130,00
Multi-purpose rooms								
Moderate modernization	4,725	sf	\$	185.50	\$	876,488		
Food service								
Moderate modernization	1,400	sf	\$	206.70	\$	289,380		
New trash enclosure	1	ea	\$	53,000.00	\$	53,000		
New lunch shelter	3,600	sf	\$	106.00	\$	381,600		
9. Physical Education Improvements					\$	4,949,000	\$	6,583,00
PE / fitness rooms								
Classrooms, one story building	1,733	sf	\$	478.06	\$	828,239		
Site improvements surrounding building pad	1,733	sf	\$	44.52	\$	77,131		
Gymnasium								
Moderate modernization	11,475	sf	\$	164.30	\$	1,885,343		
Locker rooms								
Moderate modernization	6,750	sf	\$	185.50	\$	1,252,125		
Weight room								
Weight room, one story building	1,733	sf	\$	478.06	\$	828,239		
Site improvements surrounding building pad	1,733	sf	\$	44.52	\$	77,131		

Construction Cost Summary

				-	onstruction		
				Cost			oject Cos
	Area	Unit	Unit Cost		Total	25%	(x 1.33)
10. Staff and Community Support				\$	3,321,000	\$	4,417,00
Remove portable classrooms	2	ea	\$ 12,720.00	\$	25,440		, ,
Administration			,				
Moderate modernization	1,013	sf	\$ 143.10	\$	144,889		
Admin, one story building	3,527	sf	\$ 461.10	\$	1,626,242		
Site improvements surrounding building pad	3,527	sf	\$ 44.52	\$	157,016		
Staff work rooms							
Moderate modernization	1,388	sf	\$ 143.10	\$	198,551		
Reconfigure	2,850	sf	\$ 270.30	\$	770,355		
Admin, one story building	787	sf	\$ 461.10	\$	362,655		
Site improvements surrounding building pad	787	sf	\$ 44.52	\$	35,015		
11. Library & Student Support Services				\$	2,543,000	\$	3,383,00
Middle school and high school library and innovation lab							
Reconfigure	6,000	sf	\$ 286.20	\$	1,717,200		
Learning center							
Reconfigure	1,500	sf	\$ 279.84	\$	419,760		
Student services							
Reconfigure	1,500	sf	\$ 270.30	\$	405,450		
12. Safety and Security				\$	1,583,000	\$	2,106,00
New concrete pedestrian paving	1,300	sf	\$ 19.08	\$	24,804		
Decorative metal fencing and gates	40	lf	\$ 296.80	\$	11,872		
Rolling decorative metal gate	1	ea	\$ 47,700.00	\$	47,700		
New exterior lighting for student safety	1	ls	\$ 160,000.00	\$	160,000		
New safety locks to existing classroom doors	40	ea	\$ 1,351.50	\$	54,060		
New emergency signs and posts	1	Is	\$ 38,160.00	\$	38,160		
New marquee sign	1	ea	\$ 21,200.00	\$	21,200		
Low voltage upgrades							
Fire alarm system	70,205	sf	\$ 6.36	\$	446,504		
New fire alarm head end equipment, allowance	1	Is	\$ 26,500.00	\$	26,500		
Emergency lighting	70,205	sf	\$ 1.70	\$	119,068		
PA / emergency communication systems	70,205	sf	\$ 9.01	\$	632,547		
Intrusion alarms	70,205	sf	\$ 2.12		Excluded		
Other security systems	70,205	sf	\$ 2.54		Excluded	cameras	
42 Dika / Can Dankina 9 Duan aff				•	400.000		240.0
13. Bike / Car Parking & Drop-off				\$	186,000	\$	248,00
Entry plaza upgrades	3,375	sf	\$ 30.74	\$	103,748		
Bike parking incl. fencing and gates, AC paving and bike racks	3,900	sf	\$ 20.87	\$	81,393	l	

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Construction Cost Summary

			_		С	onstruction		
					Cos			I Project Cos
	Area	Unit		Unit Cost		Total	2:	5% (x 1.33)
4. Outdoor Learning Courts, Quads & Gardens					\$	181,000	\$	241,00
New learning courts	1,000	sf	\$	27.56	\$	27,560		
New student garden	7,200	sf	\$	21.20	\$	152,640		
5. Exterior Play Spaces, Playfields & Hardcourts					\$	826,000	\$	1,099,00
Play yard and hardcourts								
Resurface and repair hardcourts	24,000	sf	\$	6.36	\$	152,640		
Repair playfields	360,000	sf	\$	1.59	\$	572,400		
Repair bike path	10,000	sf	\$	10.00	\$	100,000		
6. Next Generation Learning Furniture					\$	663.000	\$	663.00
Flexible furniture per classroom (direct cost)	25	ea	\$	26,500.00	\$	662,500	·	
7. Technology Infrastructure & Equipment					\$	1,621,000	\$	1,621,00
Classroom tech package - smart boards, projector, project mounts, flat screen monitor, audio system, etc. (direct cost)	25	ea	\$	12,720.00	\$	318,000		
Upgrade backbone, wireless access points, and switches								
(direct cost)	70,205	sf	\$	9.28		651,151		
Upgrade fiber to support (direct cost)	70,205	sf	\$	9.28	\$	651,151		

Construction Cost Summary

					Co	nstruction	
					Cost	Sub-	Total Project Cost
	Area	Unit		Unit Cost		Total	25% (x 1.33)
1. Modernize / Reconfigure Existing Classrooms					\$	_	\$ -
No scope in this category					•		•
No scope in this category							
2. Existing Building Systems, Toilets and Improved E	nerav Efficien	cv			\$	41.000	\$ 55.000
Restroom upgrades	3,	•				,	
Reconfigure	75	sf	\$	265.00	\$	19,875	gender neutral restroom
Replace drinking fountains with ADA fountains including	4	ea	\$	5,088.00		20,352	g
bottle filler				-,,			
O City Hallaton O Information					\$		
3. Site Utilities & Infrastructure					Þ	•	\$ -
No scope in this category							
4. New Construction (Classrooms)					\$	3,338,000	\$ 4,440,000
Student collaboration lab					•	0,000,000	,,,,,,,
Classrooms, one story building	2.112	sf	\$	466.40	\$	985,037	
Site improvements surrounding building pad	2,112	sf	\$	44.52	,	94,026	
Middle school	2,112	51	٠	44.02	Ψ	34,020	
Remove portable classrooms	4	ea	\$	12,720.00	\$	50,880	
Classrooms, one story building	4,224	sf	\$	478.06		2,019,325	
Site improvements surrounding building pad	4.224	sf	\$	44.52		188.052	
Site improvements surrounding ballating pad	7,227	- 51	_	44.02	Ψ	100,002	
5. Elementary STEM & JrHS/HS Science Programs					\$		\$ -
No scope in this category							·
6. JrHS/HS Electives Improvements					\$	-	\$ -
No scope in this category							
7. Music, Drama & Performing Arts Improvements					\$	-	\$ -
No scope in this category							
8. MPR, Student Union & Food Service Improvements					\$	•	\$ -
No scope in this category							
9. Physical Education Improvements					\$		\$ -
					Þ	•	-
No scope in this category							
10. Staff and Community Support					\$		\$ -
No scope in this category							
· · · · · · · · · · · · · · · · · · ·							
11. Library & Student Support Services					\$		\$ -
No scope in this category							

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Construction Cost Summary

					Co	nstruction		
					Cost	Sub-		
	Area	Unit		Unit Cost		Total	25% (x	(1.33)
12. Safety and Security					\$	582,000	\$	775,000
Decorative metal fencing and gates	510	lf	\$	296.80	\$	151,368		
Rolling decorative metal gate	3	ea	\$	47,700.00	\$	143,100		
New exterior lighting for student safety	1	ls	\$	160,000.00	\$	160,000		
New safety locks to existing classroom doors	50	ea	\$	1,351.50	\$	67,575		
New emergency signs and posts	1	ls	\$	38,160.00	\$	38,160		
New marquee sign	1	ea	\$	21,200.00	\$	21,200		
Low voltage upgrades								
Intrusion alarms	73,950	sf	\$	2.12		Excluded		
Other security systems	73,950	sf	\$	2.54		Excluded	cameras	
12 Dike / Car Darking & Dran off					\$	68,000	\$	91,000
13. Bike / Car Parking & Drop-off	40.700	,	•	0.00		,		
Bike parking incl. fencing and gates, AC paving and bike ra	10,706	sf	\$	6.26	\$	67,030	minor work t	o existing t
14. Outdoor Learning Courts, Quads & Gardens					\$	519,000	\$	691,000
New student quad	8,000	sf	\$	27.56	\$	220,480		
				07.50		•		
New learning courts	5.500	sf	\$	27.56	5	151.580		
New learning courts New student garden	5,500 2,500	sf sf	\$	27.56 21.20		151,580 53,000		
New learning courts New student garden Shade structure								
New student garden Shade structure	2,500	sf	\$	21.20	\$	53,000 93,625		
New student garden Shade structure 15. Exterior Play Spaces, Playfields & Hardcourts	2,500	sf	\$	21.20	\$	53,000	\$	882,000
New student garden Shade structure 15. Exterior Play Spaces, Playfields & Hardcourts Play yard and hardcourts	2,500 1,750	sf sf	\$	21.20 53.50	\$ \$	53,000 93,625 663,000	\$	882,000
New student garden Shade structure 15. Exterior Play Spaces, Playfields & Hardcourts	2,500 1,750 72,000	sf sf	\$	21.20 53.50	\$ \$ \$	53,000 93,625 663,000 305,280	\$	882,000
New student garden Shade structure 15. Exterior Play Spaces, Playfields & Hardcourts Play yard and hardcourts	2,500 1,750	sf sf	\$	21.20 53.50	\$ \$ \$	53,000 93,625 663,000	\$ minor repair	•
New student garden Shade structure 15. Exterior Play Spaces, Playfields & Hardcourts Play yard and hardcourts Slurry and stripe existing hardcourts Repair playfields	2,500 1,750 72,000	sf sf	\$	21.20 53.50	\$ \$ \$	53,000 93,625 663,000 305,280	•	•
New student garden Shade structure 15. Exterior Play Spaces, Playfields & Hardcourts Play yard and hardcourts Slurry and stripe existing hardcourts Repair playfields	2,500 1,750 72,000	sf sf	\$	21.20 53.50	\$ \$ \$	53,000 93,625 663,000 305,280 356,796	minor repair	
New student garden Shade structure 15. Exterior Play Spaces, Playfields & Hardcourts Play yard and hardcourts Slurry and stripe existing hardcourts Repair playfields 16. Next Generation Learning Furniture	2,500 1,750 72,000 340,000	sf sf sf	\$ \$	21.20 53.50 4.24 1.05	\$ \$ \$ \$	53,000 93,625 663,000 305,280 356,796 901,000	minor repair	
New student garden Shade structure 15. Exterior Play Spaces, Playfields & Hardcourts Play yard and hardcourts Slurry and stripe existing hardcourts Repair playfields 16. Next Generation Learning Furniture Flexible furniture per classroom (direct cost)	2,500 1,750 72,000 340,000	sf sf sf	\$ \$	21.20 53.50 4.24 1.05	\$ \$ \$ \$	53,000 93,625 663,000 305,280 356,796 901,000	minor repair	901,000
New student garden Shade structure 15. Exterior Play Spaces, Playfields & Hardcourts Play yard and hardcourts Slurry and stripe existing hardcourts Repair playfields 16. Next Generation Learning Furniture Flexible furniture per classroom (direct cost) 17. Technology Infrastructure & Equipment Classroom tech package - smart boards, projector, project	2,500 1,750 72,000 340,000	sf sf sf sf	\$ \$	21.20 53.50 4.24 1.05 26,500.00	\$ \$ \$ \$ \$ \$ \$ \$	53,000 93,625 663,000 305,280 356,796 901,000 901,000	minor repair	901,000
New student garden Shade structure 15. Exterior Play Spaces, Playfields & Hardcourts Play yard and hardcourts Slurry and stripe existing hardcourts Repair playfields 16. Next Generation Learning Furniture Flexible furniture per classroom (direct cost) 17. Technology Infrastructure & Equipment Classroom tech package - smart boards, projector, project mounts, flat screen monitor, audio system, etc. (direct cost)	2,500 1,750 72,000 340,000	sf sf sf	\$ \$	21.20 53.50 4.24 1.05	\$ \$ \$ \$ \$ \$ \$ \$	53,000 93,625 663,000 305,280 356,796 901,000 901,000	minor repair	901,000
New student garden Shade structure 15. Exterior Play Spaces, Playfields & Hardcourts Play yard and hardcourts Slurry and stripe existing hardcourts Repair playfields 16. Next Generation Learning Furniture Flexible furniture per classroom (direct cost) 17. Technology Infrastructure & Equipment Classroom tech package - smart boards, projector, project	2,500 1,750 72,000 340,000	sf sf sf sf	\$ \$	21.20 53.50 4.24 1.05 26,500.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	53,000 93,625 663,000 305,280 356,796 901,000 901,000	minor repair	901,000

Construction Cost Summary

					nstruction		
Area	Unit		Unit Cost	Cost			oject Cost
Alea	Onic	<u> </u>	Oliit Oost		Total	2570 (x 1.00j
				\$	-	\$	-
neray Efficiency	,			•	120 000	e e	160,000
incry Emolency				٠	120,000	*	100,000
375	sf	\$	265.00	s	99.375	includes gende	er neutral restroo
4	ea	\$	5,088.00	\$	20,352		
				\$	1,405,000	\$	1,869,000
					,,		,,
806,000	sf	\$	0.11	\$	85,436	mod. at 25%	
806,000	sf	\$	0.21	\$	170,872	mod. at 25%	
806,000	sf	\$	0.27	\$	213,590	mod. at 25%	
806,000	sf	\$	0.53	\$	429,316	mod. at 25%	
806,000	sf	\$	0.27	\$	213,590	mod. at 25%	
1	ls	\$	291,500.00	\$	291,500		
				s	3.401.000	s	4,524,000
					, , , , , , , , , , , , , , , , , , , ,		,. ,
7	ea	\$	12,720.00	\$	89,040		
6,336	sf	\$	478.06	\$	3,028,988		
6,336	sf	\$	44.52	\$	282,079		
				Þ	-	*	-
				\$	1,125,000	\$	1,497,000
7,075	sf	\$	159.00	\$	1,124,925		
				e	2 407 000		3.322.000
					2,401,000	*	3,322,000
4,345	sf	\$	530.00	\$	2,302,850		
4.345	sf	\$			193,439		
	375 4 806,000 806,000 806,000 1 7 6,336 6,336	806,000 sf 806,000 sf 806,000 sf 806,000 sf 1 ls 7 ea 6,336 sf 6,336 sf 4,345 sf	### Record	Energy Efficiency 375 sf \$ 265.00 4 ea \$ 5,088.00 806,000 sf \$ 0.11 806,000 sf \$ 0.21 806,000 sf \$ 0.23 806,000 sf \$ 0.27 1 is \$ 291,500.00 7 ea \$ 12,720.00 6,336 sf \$ 478.06 6,336 sf \$ 445.2	Area Unit Unit Cost	Area Unit Unit Cost Total	Area Unit Unit Cost Cost Total Property

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Oliver Wendell Holmes Jr HS Masterplan Estimate

Construction Cost Summary

					Construction			
	Area	Unit		Unit Cost	Cost	Sub-		Project Cost (x 1.33)
								(
8. MPR, Student Union & Food Service Improvements					\$	3,151,000	\$	4,191,000
Multi-purpose rooms								
Moderate modernization	3,500	sf	\$	185.50	\$	649,250		
Reconfigure	1,750	sf	\$	349.80	\$	612,150		
MPR, one story building	1,925	sf	\$	583.00	\$	1,122,275	stage area	
Site improvements surrounding building pad	1,925	sf	\$	44.52	\$	85,701		
Food service								
Moderate modernization	1,750	sf	\$	206.70	\$	361,725		
New kitchen equipment, allowance	1,750	sf	\$	79.50	\$	139,125		
New trash enclosure	1	ea	\$	53,000.00	\$	53,000		
New lunch shelter	1,200	sf	\$	106.00	\$	127,200	shade sails	
9. Physical Education Improvements					\$		\$	-
No scope in this category								
10. Staff and Community Support					s	484,000	\$	644,00
Staff work rooms						,,,,,	•	,
Moderate modernization	1.050	sf	\$	143.10	s	150,255		
Admin, one story building	660	sf	\$	461.10		304,326		
Site improvements surrounding building pad	660	sf	\$	44.52		29.383		
one improvements containing containing pass			Ť	11.02		20,000		
11. Library & Student Support Services					\$	1,180,000	\$	1,570,000
Student services								
Classrooms, one story building	2,332	sf	\$	461.10	s	1,075,285		
Site improvements surrounding building pad	2.332	sf	\$	44.52		103,821		
			_			,.		
12. Safety and Security					\$	892,000	\$	1,187,000
New concrete pedestrian paving	4,000	sf	\$	19.08	\$	76,320		
Decorative metal fencing and gates	340	If	\$	296.80	s	100,912		
Rolling decorative metal gate	3	ea	\$	47,700.00		143,100		
New exterior lighting for student safety	1	ls	\$	160.000.00		160.000		
New safety locks to existing classroom doors	50	ea	\$	1,351.50		67,575		
New emergency signs and posts	1	ls	\$	38,160.00		38,160		
New marquee sign	1	ea	\$	21,200.00		21,200		
Low voltage upgrades			•	,	•	,00		
Fire alarm system	15,125	sf	\$	6.36	\$	96,195		
New fire alarm head end equipment, allowance	1	ls	\$	26,500.00		26,500		
Emergency lighting	15.125	sf	\$	1.70		25,652		
PA / emergency communication systems	15,125	sf	\$	9.01		136,276		
Intrusion alarms	15,125	sf	\$	2.12	•	Excluded		
Other security systems	15,125	sf	\$	2.12			cameras	

Construction Cost Summary

Bike / Car Parking & Drop-off Slurry and stripe existing parking lot New parking lot New drop-off area Entry plaza upgrades Bike parking incl. fencing and gates, AC paving and bike ra	11,050 13,000 10,000 3,500 ck 8,800	Unit sf sf sf	\$	Unit Cost	Cost	Sub- Total 799,000	Total Proje 25% (x 1	
Slurry and stripe existing parking lot New parking lot New drop-off area Entry plaza upgrades	13,000 10,000 3,500	sf sf		4.24	\$	799,000	•	1 063 000
Slurry and stripe existing parking lot New parking lot New drop-off area Entry plaza upgrades	13,000 10,000 3,500	sf sf		4.24	-			
New parking lot New drop-off area Entry plaza upgrades	13,000 10,000 3,500	sf sf			\$	46,852	·	,,
New drop-off area Entry plaza upgrades	10,000 3,500		\$	19.08	\$	248,040		
Entry plaza upgrades		- 1	\$	21.20	\$	212.000		
71 10		sf	\$	30.74	\$	107,590		
		sf	\$	20.87	\$	183,656		
4. Outdoor Learning Courts, Quads & Gardens					\$	728,000	\$	969,000
New student quad	19.200	sf	\$	20.67	\$	396,864		
New learning courts	10,150	sf	\$	27.56	\$	279,734		
New student garden	2,400	sf	\$	21.20	\$	50,880		
	·							
5. Exterior Play Spaces, Playfields & Hardcourts					\$	790,000	\$	1,051,000
Play yard and hardcourts								
Shade structure	1,200	sf	\$	53.00	\$	63,600		
Resurface and repair hardcourts	35,000	sf	\$	6.36	\$	222,600		
Repair playfields	243,800	sf	\$	0.64	\$	155,057	minor repair	
Baseball and softball fields								
New natural turf	24,200	sf	\$	5.83	\$	141,086	new field @50%	
New field equipment including bases and mounds	1	ea	\$	25,440.00	\$	25,440		
New backstop	1	ea	\$	29,150.00	\$	29,150		
Track, field and stadium								
New decomposed granite track	32,000	sf	\$	4.77	\$	152,640		
6. Next Generation Learning Furniture					\$	928,000	\$	928,000
Flexible furniture per classroom (direct cost)	35	ea	\$	26,500.00	\$	927,500		
7. Technology Infrastructure & Equipment					\$	963,000	\$	963,000
Classroom tech package - smart boards, projector, project mounts, flat screen monitor, audio system, etc. (direct cost)	35	ea	\$	12.720.00	ę	445.200		
Upgrade backbone, wireless access points, and switches	33	ca	Ψ	12,720.00	٠	443,200		
(direct cost)	55,745	sf	\$	4.64	-	258,517	all CR's @ 50%	
Upgrade fiber to support (direct cost)	55,745	sf	\$	4.64	\$	258,517	all CR's @ 50%	
OTAL PROJECT COSTS (2018\$)					s	18,460,000	\$	23.938.000
71ML FROJECT 60313 (20103)					à	10,400,000	*	23,930,000

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Construction Cost Summary

						nstruction			
		112		H-14 O4	Cost		ıb-		Project Cost
	Area	Unit		Unit Cost		Total		25%	6 (x 1.33)
Modernize / Reconfigure Existing Classrooms					\$	_		\$	_
No scope in this category					·			-	
						20120			224.22
2. Existing Building Systems, Toilets and Improved I	Energy Efficien	су			\$	604,00	U	\$	804,00
Restroom upgrades	875		•	420.50	\$	445.00	00		
Moderate modernization	75	sf sf	\$	132.50 265.00	*	115,93 19,87		aandari	nautral raatra
Reconfigure	625	sf						•	neutral restro
Restroom, one story building			\$	662.50		414,06		at play f	eids
Site improvements surrounding building pad Replace drinking fountains with ADA fountains including	625 5	sf ea	\$ \$	44.52 5,088.00		27,82 25,44	-		
bottle filler	5	еа	ą	5,000.00	ð	25,44	Ю		
O Cita Hallidge O Information					•	4 444 00		•	4 004 00
3. Site Utilities & Infrastructure					\$	1,444,00	U	\$	1,921,00
Based on entire campus area, upgrade existing utilities;									
Natural gas service	1,928,300	sf	\$	0.04	\$	81,76		mod. @	
Sanitary sewer service	1,928,300	sf	\$	0.08	*	163,52		mod. @	
Domestic and fire water service	1,928,300	sf	\$	0.11	*	204,40		mod. @	
Electrical mains and distribution	1,928,300	sf	\$	0.21		410,84		mod. @	10%
Electrical capacity upgrades	1	ls	\$	583,000.00	\$	583,00)0		
4. New Construction (Classrooms)					\$	18,873,00	0	\$	25,102,00
Student collaboration lab									
Classrooms, two story building	5,586	sf	\$	514.10	\$	2,871,76	3		
Site improvements surrounding building pad	2,793	sf	\$	44.52	\$	124,34	14		
High school									
Remove portable classrooms	20	ea	\$	12,720.00	\$	254,40	00		
Demolish existing buildings	7,500	sf	\$	26.50	\$	198,75	50		
Classrooms, two story building	28,090	sf	\$	526.82	\$	14,798,16	3		
Site improvements surrounding building pad	14,045	sf	\$	44.52	\$	625,27	4		
5. Elementary STEM & JrHS/HS Science Programs					\$	12,984,00	0	\$	17,269,00
Demolish existing buildings	22.300	sf	\$	26.50		590,95		•	,,
High school science and STEM labs	22,000	٥.	۳	20.00	•	555,50			
Lab classrooms, two story building	19,950	sf	\$	598.90	\$	11,948,05	55		

Construction Cost Summary

						nstruction	T. 18 1 15	
	Area	Unit		Unit Cost	Cost	Sub- Total	Total Project Cost	
	Area	Unit		Unit Cost		Total	25% (x 1.33)	
6. JrHS/HS Electives Improvements					\$	9,219,000	\$ 12,262,000	
Elective classrooms								
Minor modernization	13,400	sf	\$	111.30	\$	1,491,420		
Classrooms, one story building	1,650	sf	\$	478.06	\$	788,799		
Classrooms, two story building	12,502	sf	\$	526.82	\$	6,586,304		
Site improvements surrounding building pad	7,901	sf	\$	44.52	\$	351,753		
7. Music, Drama & Performing Arts Improvements					\$	1,066,000	\$ 1,418,000	
Dance and drama classrooms								
Minor modernization	3.200	sf	\$	111.30	\$	356.160		
Structural upgrades	3,200	sf	\$	16.05	\$	51,360		
Theatre								
Minor modernization	10,800	sf	\$	60.95	\$	658,260		
3. MPR, Student Union & Food Service Improvements					\$	731,000	\$ 973,00	
Food service								
Food service, one story building	300	sf	\$	694.30	\$	208,290		
Site improvements surrounding building pad	300	sf	\$	44.52	\$	13,356		
New lunch shelter	4,800	sf	\$	106.00	\$	508,800		
9. Physical Education Improvements					\$	7,978,000	\$ 10,611,00	
Remove portable classrooms	2	ea	\$	12.720.00	\$	25,440	Ψ 10,011,00	
PE / fitness rooms	-	ou	Ψ	12,720.00	Ψ.	20,440		
Classrooms, one story building	1,980	sf	\$	478.06	\$	946,559		
Site improvements surrounding building pad	1,980	sf	\$	44.52		88,150		
Gymnasium	1,500	01	Ψ	44.02	Ψ.	00,100		
Minor modernization	9.900	sf	\$	116.60	¢	1,154,340		
Structural upgrades	9,900	sf	\$	16.05	*	158,895		
Gymnasium, one story building	3,000	sf	\$	471.70		1.415.100	lobby/conc./toilets	
Site improvements surrounding building pad	3,000	sf	\$	44.52		133,560	lobby/corlo./tollets	
Locker rooms	3,000	31	Ψ	44.52	Ψ	100,000		
Moderate modernization	9.600	sf	\$	185.50	¢	1.780.800		
Structural upgrades	9,600	sf	\$	16.05		154,080		
Locker rooms, one story building	2,640	sf	\$	604.20	*	1,595,088	aquatic center	
· •	2,640	sf	\$	44.52		117,533	aqualic certier	
Site improvements surrounding building pad Weight room	2,040	81	à	44.52	à	111,533		
Winor modernization	3.200	of	\$	111.30	s	356.160		
IVIIIOI ITIOUEFNIZATION	3,200	sf	Э	111.30	Þ	330, 160		

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Construction Cost Summary

					С	onstruction		
					Cost	Sub-	Total Pr	oject Cos
	Area	Unit	_	Unit Cost		Total	25%	(x 1.33)
0. Staff and Community Support					\$	6,765,000	\$	8,998,00
Demolish existing buildings	12,000	sf	\$	26.50	\$	318,000	ľ	-,,
Administration	12,000	0.	٠	20.00	•	010,000		
Admin, one story building	6.160	sf	\$	461.10	\$	2,840,376		
Site improvements surrounding building pad	6.160	sf	\$	44.52		274,243		
Staff work rooms	-,		•		•	,		
Admin, one story building	3.795	sf	\$	461.10	\$	1,749,875		
Admin, two story building	2,660	sf	\$	508.80	\$	1,353,408		
Site improvements surrounding building pad	5,125	sf	\$	44.52		228,165		
11. Library & Student Support Services					\$	6,418,000	\$	8,536,00
Remove portable classrooms	2	ea	\$	12,720.00	\$	25,440		
Demolish existing buildings	5,340	sf	\$	26.50	\$	141,510		
Student services								
Classrooms, one story building	9,680	sf	\$	461.10	\$	4,463,448		
Classrooms, two story building	2,554	sf	\$	508.80	\$	1,299,272		
Site improvements surrounding building pad	10,957	sf	\$	44.52	\$	487,797		
12. Safety and Security					\$	3,179,000	\$	4,229,00
•	2.000	of	•	11.66	\$	23.320	1	
Repair concrete pedestrian paving	700	sf	\$		-	.,	back entry	y by gym
New covered walkways	610	sf		106.00	\$	74,200		
Decorative metal fencing and gates		lf	\$	296.80	\$	181,048		
Rolling decorative metal gate	3	ea	\$	47,700.00		143,100		
New exterior lighting for student safety	1	ls	\$.,	\$	240,000		
New safety locks to existing classroom doors	130	ea	\$	1,351.50	\$	175,695		
New emergency signs and posts	1	ls	\$		\$	95,400		
New marquee sign	1	ea	\$	21,200.00	\$	21,200		
Low voltage upgrades								
Fire alarm system	128,775	sf	\$		\$	819,009		
New fire alarm head end equipment, allowance	1	ls	\$	26,500.00		26,500		
Emergency lighting	128,775	sf	\$	1.70	\$	218,402		
PA / emergency communication systems	128,775	sf	\$	9.01	\$	1,160,263		
Intrusion alarms	128,775	sf	\$	2.12		Excluded		
Other security systems	128,775	sf	\$	2.54		Excluded	cameras	
I3. Bike / Car Parking & Drop-off					\$	297,000	\$	396,00
Entry plaza upgrades	4.400	sf	\$	30.74	\$	135,256	ľ	000,00
Bike parking incl. fencing and gates, AC paving and bike rac	7.750	sf	\$	20.87	*	161,743		

Construction Cost Summary

				_	onstruction		
				Cos			roject Cost
	Area	Unit	Unit Cost		Total	25%	(x 1.33)
14. Outdoor Learning Courts, Quads & Gardens				\$	949,000	\$	1,263,000
New student quad	28,000	sf	\$ 23.43	\$	655,928		
New learning courts	3,750	sf	\$ 27.56	\$	103,350		
Repair student quad	19,600	sf	\$ 5.86	\$	114,787		
New student garden	7,000	sf	\$ 10.60	\$	74,200	new at 50	0%
15. Exterior Play Spaces, Playfields & Hardcourts				\$	5,750,000	\$	7,648,000
New aquatic center	1	ls	\$ 5,750,000.00	\$	5,750,000	·	,,
16. Next Generation Learning Furniture				\$	2,120,000	\$	2,120,000
Flexible furniture per classroom (direct cost)	80	ea	\$ 26,500.00	\$	2,120,000		
17. Technology Infrastructure & Equipment				\$	2,211,988	\$	2,212,000
Classroom tech package - smart boards, projector, project mounts, flat screen monitor, audio system, etc. (direct cost)	80	ea	\$ 12,720.00	\$	1,017,600		
Upgrade backbone, wireless access points, and switches (direct cost)	128,775	sf	\$ 4.64	-	597,194	all CR's @	_
Upgrade fiber to support (direct cost)	128,775	sf	\$ 4.64	\$	597,194	all CR's @	0 50%
TOTAL PROJECT COSTS (2018\$)				\$	80,585,000	\$ 1	05,762,000

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Da Vinci Charter Academy (JrHS & HS) Masterplan Estimate

5/24/18

Construction Cost Summary

				Cost	nstruction Sub-	Total Duologé Cont
	Area	Unit	Unit Cost	Cost	Total	Total Project Cos 25% (x 1.33)
I. Modernize / Reconfigure Existing Classrooms				\$	1,281,000	\$ 1,704,000
Existing classrooms (MEP scope covered in Section C)						
Walls						
Replace existing walls	960	sf	\$ 21.20	\$	20,352	
Repair existing walls	9,600	sf	\$ 5.30	\$	50,880	
Windows						
Replace existing windows	10,560	sf	\$ 53.66	\$	566,676	includes clerestory
Doors						
Replace existing doors	960	sf	\$ 15.90	\$	15,264	
Repair existing doors	9,600	sf	\$ 5.30	\$	50,880	
Floors						
Replace existing floors	10,560	sf	\$ 17.49	\$	184,694	
Ceilings						
Replace existing ceilings	960	sf	\$ 26.50	\$	25,440	
Repair existing ceilings	9,600	sf	\$ 13.25	\$	127,200	
Exteriors						
Patch, repair and paint	10,560	sf	\$ 5.30	\$	55,968	
Refurbish covered walkways	4,320	sf	\$ 35.00	\$	151,200	
ADA upgrades, allowance	10,560	sf	\$ 3.00	\$	31,680	
2. Existing Building Systems, Toilets and Improved En	ergy Efficiency			\$	1,167,000	\$ 1,553,000
Restroom upgrades						
Moderate modernization	950	sf	\$ 132.50	\$	125,875	
Reconfigure	75	sf	\$ 265.00	\$	19,875	gender neutral restro
Restroom, one story building	495	sf	\$ 662.50	\$	327,938	
Site improvements surrounding building pad	495	sf	\$ 44.52	\$	22,037	
Building systems						
EMS systems upgrades	17,895	sf	\$ 7.95	\$	142,265	
Lighting and controls upgrades	17,895	sf	\$ 21.20	\$	379,374	
Convenience power upgrades	17,895	sf	\$ 6.89	\$	123,297	
Replace drinking fountains with ADA fountains including bottle filler	5	ea	\$ 5,088.00	\$	25,440	
3. Site Utilities & Infrastructure				\$	559,000	\$ 744,00
Based on entire campus area, upgrade existing utilities;				•	,	
Sanitary sewer service	359.000	sf	\$ 0.21	\$	76.108	mod. at 25%
Electrical mains and distribution	359.000	sf	\$ 0.53	-	191,221	mod. at 25%
Electrical capacity upgrades	1	ls	\$ 291,500.00		291,500	

Construction Cost Summary

						nstruction		D : 46
	Area	Unit		Unit Cost	Cost	Sub- Total		Project Cos % (x 1.33)
4. New Construction (Classrooms)					\$	6,460,000	\$	8,592,00
Student collaboration lab					•	0, 100,000	*	0,002,00
Classrooms, two story building	1.397	sf	\$	514.10	\$	717.941		
Site improvements surrounding building pad	698	sf	\$	44.52		31.086		
High school			•		•	,		
Remove portable classrooms	8	ea	\$	12,720.00	\$	101.760		
Classrooms, two story building	10,214	sf	s	526.82		5,381,150		
Site improvements surrounding building pad	5,107	sf	\$	44.52		227,373		
F. Flamouthers OTFM 9. Int 10/110 Octions a December					•	2 020 000	•	F 007 0
5. Elementary STEM & JrHS/HS Science Programs					\$	3,930,000	\$	5,227,00
Remove portable classrooms	2	ea	\$	12,720.00	\$	25,440		
Middle science and STEM labs								
Reconfigure	1,800	sf	\$	318.00	-	572,400		
Lab classrooms, one story building	2,750	sf	\$	545.90		1,501,225		
Site improvements surrounding building pad	2,750	sf	\$	44.52	\$	122,430		
High school science and STEM labs								
Lab classrooms, two story building	2,750	sf	\$	598.90	\$	1,646,975		
Site improvements surrounding building pad	1,375	sf	\$	44.52	\$	61,215		
6. JrHS/HS Electives Improvements					\$	1,973,000	\$	2,625,0
Elective classrooms						,,	·	, , .
Classrooms, two story building	3.593	sf	\$	526.82	\$	1,892,864		
Site improvements surrounding building pad	1,797	sf	\$	44.52		79,980		
7. Music, Drama & Performing Arts Improvements					\$	759,000	\$	1,010,0
Music lab classroom								
Lab classrooms, one story building	1,320	sf	\$	530.00	\$	699,600		
Site improvements surrounding building pad	1,320	sf	\$	44.52	\$	58,766		
8. MPR, Student Union & Food Service Improvements					\$	480,000	\$	639,0
Food service						·		,
Reconfigure	600	sf	\$	418.70	\$	251,220		
New kitchen equipment, allowance	600	sf	\$	79.50	\$	47,700		
New trash enclosure	1	ea	\$	53,000.00	\$	53,000		
New lunch shelter	1.200	sf	s	106.00		127,200		

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Da Vinci Charter Academy (JrHS & HS) Masterplan Estimate

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Construction Cost Summary

·				С	onstruction		
				Cost		Total Pr	oject Cos
	Area	Unit	 Unit Cost		Total	25%	(x 1.33)
9. Physical Education Improvements				\$	6,178,000	\$	8,217,00
PE / fitness rooms				۳	0,110,000	*	0,211,00
Classrooms, one story building	1,348	sf	\$ 478.06	\$	644,186		
Site improvements surrounding building pad	1,348	sf	\$ 44.52	\$	59,991		
Gymnasium	,				,		
Gymnasium, one story building	7.700	sf	\$ 471.70	\$	3,632,090		
Site improvements surrounding building pad	7,700	sf	\$ 44.52	\$	342,804		
Locker rooms							
Locker rooms, one story building	2,310	sf	\$ 604.20	\$	1,395,702		
Site improvements surrounding building pad	2,310	sf	\$ 44.52	\$	102,841		
10. Staff and Community Support				\$	849,000	\$	1,130,0
Administration							
Reconfigure	2,400	sf	\$ 270.30	\$	648,720		
Staff work rooms							
Admin, one story building	396	sf	\$ 461.10	\$	182,596		
Site improvements surrounding building pad	396	sf	\$ 44.52	\$	17,630		
Student services							
Reconfigure	1,585	sf	\$ 270.30	\$	428,426		
Classrooms, two story building	1,476	sf	\$ 508.80	\$	751,141		
Site improvements surrounding building pad	738	sf	\$ 44.52	\$	32,862		
2. Safety and Security				\$	1,194,000	\$	1,589,0
Repair concrete pedestrian paving	5,500	sf	\$ 11.66	\$	64.130		
New covered walkways	2,250	sf	\$ 106.00	\$	238.500		
Decorative metal fencing and gates	215	If	\$ 296.80	\$	63,812		
Rolling decorative metal gate	3	ea	\$ 47,700.00	\$	143,100		
New exterior lighting for student safety	1	ls	\$ 240,000.00	\$	240,000		
New safety locks to existing classroom doors	25	ea	\$ 1,351.50	\$	33,788		
New emergency signs and posts	1	ls	\$ 57,240.00	\$	57,240		
New marquee sign	1	ea	\$ 21,200.00	\$	21,200		
Low voltage upgrades							
Fire alarm system	17,895	sf	\$ 6.36	\$	113,812		
New fire alarm head end equipment, allowance	1	ls	\$ 26,500.00	\$	26,500		
Emergency lighting	17,895	sf	\$ 1.70	\$	30,350		
PA / emergency communication systems	17,895	sf	\$ 9.01	\$	161,234		
Intrusion alarms	17,895	sf	\$ 2.12		Excluded		
Other security systems	17,895	sf	\$ 2.54		Excluded	cameras	

Construction Cost Summary

					Cost	nstruction Sub-	Total Project Cost
	Area	Unit		Unit Cost	Cost	Total	Total Project Cost 25% (x 1.33)
13. Bike / Car Parking & Drop-off					\$	516.000	\$ 687.000
New parking lot	17.500	sf	\$	19.08	\$	333,900	\$ 007,000
New concrete pedestrian paving	2.600	sf	\$	19.08	-	49,608	
Entry plaza upgrades	2,400	sf	\$	30.74	-	73,776	
Bike parking incl. fencing and gates, AC paving and bike racks		sf	\$	20.87	\$	58.436	
blike parking into. Terroring and gates, AC paving and blike racks	2,000	31	Ÿ	20.01	Ψ	30,430	
14. Outdoor Learning Courts, Quads & Gardens					\$	521,000	\$ 693,000
New student quad	9,900	sf	\$	27.56	\$	272,844	
New learning courts	9,000	sf	\$	27.56	\$	248,040	
15. Exterior Play Spaces, Playfields & Hardcourts					\$	618,000	\$ 822,000
Play yard and hardcourts							
New hardcourts	29,900	sf	\$	12.72	\$	380,328	
New basketball courts and hoops	6	ea	\$	5,830.00	\$	34,980	
Repair playfields	69,000	sf	\$	1.59	\$	109,710	minor repairs
Baseball and softball fields							
New backstop	1	ea	\$	29,150.00	\$	29,150	
New bike path	3,000	sf	\$	21.06	\$	63,180	
16. Next Generation Learning Furniture					\$	663,000	\$ 663,000
· ·	05		\$	00 500 00	\$	662.500	\$ 005,000
Flexible furniture per classroom (direct cost)	25	ea	Þ	26,500.00	ð	002,500	
17. Technology Infrastructure & Equipment					\$	650,000	\$ 650,000
Classroom tech package - smart boards, projector, project mounts, flat screen monitor, audio system, etc. (direct cost)	25	ea	\$	12.720.00	\$	318.000	
Upgrade backbone, wireless access points, and switches	23	σa	پ	12,120.00	Ψ	310,000	
(direct cost)	17,895	sf	\$	9.28	\$	165,976	
Upgrade fiber to support (direct cost)	17,895	sf	\$	9.28	\$	165,976	
TOTAL PROJECT COSTS (2018\$)					\$	29,008,000	\$ 38,159,000

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Construction Cost Summary

					Co	nstruction		
					Cost	Sub-		
	Area	Unit		Unit Cost		Total	25% (x	1.33)
Modernize / Reconfigure Existing Classrooms					\$	_	\$	
• •					ð	-	Þ	•
No scope in this category								
2. Existing Building Systems, Toilets and Improved En	eray Efficiency	,			\$	41,000	\$	55,00
Restroom upgrades					•	,	*	00,00
Reconfigure	75	sf	\$	265.00	s	19.875	gender neuti	al restro
Replace drinking fountains with ADA fountains including	4	ea	\$	5,088.00		20,352	3	
bottle filler				·				
3. Site Utilities & Infrastructure					\$	-	\$	•
No scope in this category								
4. New Construction (Classrooms)					\$	_	\$	_
No scope in this category					•		*	
110 Scope III and Category								
5. Elementary STEM & JrHS/HS Science Programs					\$	-	\$	-
No scope in this category								
6. JrHS/HS Electives Improvements					\$	34,000	\$	46,00
Minor modernization	300	sf	\$	111.30	\$	33,390	1	
Willor modernization	300	51	Ą	111.30	ð	33,390	shop canopy	
7. Music, Drama & Performing Arts Improvements					\$	-	\$	
No scope in this category								
8. MPR, Student Union & Food Service Improvements					\$	56,000	\$	75,00
Food service	200	-4	•	440.40		44.500	f	
Minor modernization	300	sf	\$	148.40	\$	44,520	food service	
Trash enclosure canopy	150	sf	\$	75.00	\$	11,250	enclosure co	ver
9. Physical Education Improvements					\$	23,000	\$	31,00
Weight room					•	20,000	*	51,50
Minor modernization	400	sf	\$	55.65	\$	22,260	HVAC only	
	400	01	Ψ	00.00	*	22,200	only	
10. Staff and Community Support					\$	-	\$	-
No scope in this category								
							_	
11. Library & Student Support Services					\$	-	\$	•
No scope in this category								

					C	onstruction		
					Cost			al Project Cost
	Area		Unit	Unit Cost		Total	- 2	25% (x 1.33)
12. Safety and Security					\$	31,000	\$	42,000
New safety locks to existing classroom doors		7	ea	\$ 1.351.50	\$	9.461		
New marquee sign		1	ea	\$ 21,200.00		21,200		
13. Bike / Car Parking & Drop-off					\$	_	\$	_
No scope in this category					ş	-	Ÿ	-
14. Outdoor Learning Courts, Quads & Gardens					\$	_	\$	_
No scope in this category					•	-	Ÿ	-
15. Exterior Play Spaces, Playfields & Hardcourts					\$	-	\$	-
No scope in this category								
16. Next Generation Learning Furniture					\$	133,000	\$	133,000
Flexible furniture per classroom (direct cost)		5	ea	\$ 26,500.00	\$	132,500		
17. Technology Infrastructure & Equipment					\$	197,000	\$	197,000
					·	,		,,,,,
Classroom tech package - smart boards, projector, project mounts, flat screen monitor, audio system, etc. (direct cost)		5	ea	\$ 12,720.00	\$	63,600		
Upgrade backbone, wireless access points, and switches								
(direct cost)	7,1		sf	\$ 9.28	\$	66,316		
Upgrade fiber to support (direct cost)	7,1	50	sf	\$ 9.28	\$	66,316		
TOTAL PROJECT COSTS (2018\$)					s	514,000	\$	579,000
						314,000	Ψ	373,000

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Construction Cost Summary

Area Unit Unit Cost Total 25% (x 1.2 1.1 Modernize / Reconfigure Existing Classrooms \$. \$. \$. \$. \$. \$. \$. \$. \$. \$						Construction Cost Si			Total Broises	
No scope in this category 2. Existing Building Systems, Toilets and Improved Energy Efficiency No scope in this category 3. Site Utilities & Infrastructure No scope in this category 4. New Construction (Classrooms) No scope in this category 5. Elementary STEM & JrHS/HS Science Programs No scope in this category 6. JrHS/HS Electives Improvements No scope in this category 7. Music, Drama & Performing Arts Improvements No scope in this category 8. MPR, Student Union & Food Service Improvements No scope in this category 9. Physical Education Improvements No scope in this category 10. Staff and Community Support DSIS and Districe Office Modernization, quoter per DJUSD 1 Is \$ 3,000,000 \$ 3,000,000 11. Library & Student Support Services No scope in this category 12. Safety and Security No scope in this category 13. Bike / Car Parking & Drop-off \$ - \$		Area	Unit		Unit Cost	Cost		Sub-		
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3. Site Utilities & Infrastructure No scope in this category 4. New Construction (Classrooms) No scope in this category 5. Elementary STEM & JrHS/HS Science Programs No scope in this category 6. JrHS/HS Electives Improvements No scope in this category 7. Music, Drama & Performing Arts Improvements No scope in this category 8. MPR, Student Union & Food Service Improvements No scope in this category 9. Physical Education Improvements No scope in this category 10. Staff and Community Support DSIS and Districe Office Modernization, quoter per DJUSD 1 Is \$ 3,000,000 \$ 3,99 11. Library & Student Support Services No scope in this category 12. Safety and Security No scope in this category 13. Bike / Car Parking & Drop-off \$ - \$		ergy Efficiency	•			\$		-	\$	•
No scope in this category 4. New Construction (Classrooms) No scope in this category 5. Elementary STEM & JrHS/HS Science Programs No scope in this category 6. JrHS/HS Electives Improvements No scope in this category 7. Music, Drama & Performing Arts Improvements No scope in this category 8. MPR, Student Union & Food Service Improvements No scope in this category 9. Physical Education Improvements No scope in this category 10. Staff and Community Support SDSIS and Districe Office Modernization, quoter per DJUSD 1 Is \$ 3,000,000.0 \$ 3,000,000 11. Library & Student Support Services No scope in this category 12. Safety and Security No scope in this category 13. Bike / Car Parking & Drop-off \$ - \$	No scope in this category									
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7. Music, Drama & Performing Arts Improvements No scope in this category 8. MPR, Student Union & Food Service Improvements No scope in this category 9. Physical Education Improvements No scope in this category 10. Staff and Community Support DSIS and Districe Office Modernization, quoter per DJUSD 1 is \$ 3,000,000 \$ 3,000,000 11. Library & Student Support Services No scope in this category 12. Safety and Security No scope in this category 13. Bike / Car Parking & Drop-off \$ - \$						•			•	
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8. MPR, Student Union & Food Service Improvements No scope in this category 9. Physical Education Improvements No scope in this category 10. Staff and Community Support SIS and Districe Office Modernization, quoter per DJUSD 1 Is \$ 3,000,000.0 \$ 3,000,000 11. Library & Student Support Services No scope in this category 12. Safety and Security No scope in this category 13. Bike / Car Parking & Drop-off \$ - \$	7. Music, Drama & Performing Arts Improvements					\$		-	\$	-
No scope in this category 9. Physical Education Improvements No scope in this category 10. Staff and Community Support DSIS and Districe Office Modernization, quoter per DJUSD 1 Is \$ 3,000,000 \$ 3,000,000 11. Library & Student Support Services No scope in this category 12. Safety and Security No scope in this category 13. Bike / Car Parking & Drop-off \$ - \$	No scope in this category									
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No scope in this category 10. Staff and Community Support \$ 3,000,000 \$ 3,99	· · · · · · · · · · · · · · · · · · ·					·			·	
No scope in this category 10. Staff and Community Support \$ 3,000,000 \$ 3,99										
10. Staff and Community Support DSIS and Districe Office Modernization, quoter per DJUSD 1 Is \$ 3,000,000.00 \$ 3,000,000 11. Library & Student Support Services No scope in this category 12. Safety and Security No scope in this category 13. Bike / Car Parking & Drop-off \$ - \$	9. Physical Education Improvements					\$		-	\$	-
DSIS and Districe Office Modernization, quoter per DJUSD 1 Is \$ 3,000,000.00 \$ 3,000,000 11. Library & Student Support Services \$ - \$ No scope in this category 12. Safety and Security \$ - \$ No scope in this category 13. Bike / Car Parking & Drop-off \$ - \$	No scope in this category									
11. Library & Student Support Services No scope in this category 12. Safety and Security No scope in this category 13. Bike / Car Parking & Drop-off \$ - \$	10. Staff and Community Support					\$	3,000,	000	\$	3,990,00
No scope in this category 12. Safety and Security No scope in this category 13. Bike / Car Parking & Drop-off \$ - \$	DSIS and Districe Office Modernization, quoter per DJUSD	1	ls	\$	3,000,000.00	\$	3,000	,000		
No scope in this category 12. Safety and Security No scope in this category 13. Bike / Car Parking & Drop-off \$ - \$	11 Library & Student Support Services					•				
12. Safety and Security \$ - \$ No scope in this category 13. Bike / Car Parking & Drop-off \$ - \$						ą		•	Þ	-
No scope in this category 13. Bike / Car Parking & Drop-off \$ - \$	No scope in this category									
13. Bike / Car Parking & Drop-off \$ - \$	12. Safety and Security					\$		-	\$	
	No scope in this category									
	12 Bike / Car Barking & Drap off					¢				
	No scope in this category					Þ		•	Þ	•

Construction Cost Summary

				Co	nstruction		
				Cost			al Project Cost
	Area	Unit	Unit Cost		Total	- 2	25% (x 1.33)
14. Outdoor Learning Courts, Quads & Gardens No scope in this category				\$		\$	-
15. Exterior Play Spaces, Playfields & Hardcourts				\$		\$	-
No scope in this category							
16. Next Generation Learning Furniture				\$	-	\$	-
No scope in this category							
17. Technology Infrastructure & Equipment No scope in this category				\$	-	\$	-
TOTAL PROJECT COSTS (2018\$)				\$	3,000,000	\$	3,990,000

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Construction Cost Summary

						Construction			
	Area	Unit		Unit Cost	Cost	Total	Sub-		Project Cost % (x 1.33)
1. Modernize / Reconfigure Existing Classrooms					\$		•	\$	-
No scope in this category									
2. Existing Building Systems, Toilets and Improved En	ergy Efficiency	,			\$	36	,000	\$	48,000
Restroom upgrades									
Reconfigure	75	sf	\$	265.00	\$	19	9,875	gender	neutral restro
Replace drinking fountains with ADA fountains including bottle filler	3	ea	\$	5,088.00	\$	15	5,264		
3. Site Utilities & Infrastructure					\$	405	,000	\$	539,00
Based on entire campus area, upgrade existing utilities;									
Natural gas service	73,200	sf	\$	0.42	\$	3	1,037		
Sanitary sewer service	73,200	sf	\$	0.85	\$	62	2,074		
Domestic and fire water service	73,200	sf	\$	1.06	\$	7	7,592		
Electrical mains and distribution	73,200	sf	\$	2.13	\$	15	5,960		
Storm drain service	73,200	sf	\$	1.06	\$	7	7,592		
4. New Construction (Classrooms)					\$	4,014	000	\$	5,339,00
· · ·					ð	4,014	,000	Þ	3,339,00
Pre-school and kindergarten	44 500		•	202.05	•	2.50	0 0 4 0	modula	. 614-1-
Classrooms, one story building	11,520 11.520	sf	\$	303.85	\$ \$		0,340	modula	r blag's
Site improvements surrounding building pad	11,520	sf	Þ	44.52	à	51,	2,870		
5. Elementary STEM & JrHS/HS Science Programs					\$			\$	
No scope in this category									
6. JrHS/HS Electives Improvements					\$			\$	
No scope in this category									
					•				
7. Music, Drama & Performing Arts Improvements					\$		•	\$	-
No scope in this category									
8. MPR, Student Union & Food Service Improvements					\$		-	\$	
No scope in this category									
					_				
9. Physical Education Improvements					\$		•	\$	-
No scope in this category									

Construction Cost Summary

					Co	nstruction		
					Cost			Project Cost
	Area	Unit		Unit Cost		Total	2:	5% (x 1.33)
10. Staff and Community Support					\$	992,000	\$	1,320,000
Administration						,	ľ	,,
Admin, one story building	1.920	sf	\$	299.72	\$	575,453	modu	ar bldg
Site improvements surrounding building pad	1,920	sf	\$	44.52	s	85,478		
Staff work rooms	.,		•		•	,		
Admin, one story building	960	sf	\$	299.72	s	287,726	modu	ar bldg
Site improvements surrounding building pad	960	sf	\$	44.52	\$	42,739		
44 Library & Student Summert Services					\$	729.000	\$	070.000
11. Library & Student Support Services					Þ	729,000	Þ	970,000
Student services								
Classrooms, one story building	1,440	sf	\$		\$	663,984		
Site improvements surrounding building pad	1,440	sf	\$	44.52	\$	64,109	-	
12. Safety and Security					\$	196,000	\$	261,000
Decorative metal fencing and gates	155	If	\$	296.80	\$	46,004		
Rolling decorative metal gate	1	ea	\$	47,700.00	\$	47,700		
New exterior lighting for student safety	1	ls	\$	42,400.00	\$	42,400		
New emergency signs and posts	1	ls	\$	38,160.00	\$	38,160		
New marquee sign	1	ea	\$	21,200.00	\$	21,200		
13. Bike / Car Parking & Drop-off					\$	416,000	\$	554,000
New parking lot	14,300	sf	\$	19.08	\$	272,844	"	334,000
New drop-off area	4,000	sf	\$	21.20	S	84,800		
New concrete pedestrian paving	1,000	sf	\$	19.08	s	19,080		
Entry plaza upgrades	1,250	sf	\$	30.74	*	38,425		
14. Outdoor Learning Courts, Quads & Gardens					\$	•	\$	•
No scope in this category								
15. Exterior Play Spaces, Playfields & Hardcourts					\$	246,000	\$	328,000
Pre-school and kindergarten play yard					*	,	ľ	,
New rubber surfacing	1.500	sf	\$	23.32	s	34,980		
Play apparatus	1,000	ea	\$	81.620.00		81,620		
Shade structure	1,200	sf	\$	- 1	\$	63,600		
New hardcourts	5,100	sf	\$	12.72	\$	64,872		
16. Next Generation Learning Furniture					\$	-	\$	-
No scope in this category								

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Construction Cost Summary

				Co	nstruction	
	Area	Unit	Unit Cost	Cost	Sub- Total	Project Cost (x 1.33)
17. Technology Infrastructure & Equipment No scope in this category				\$	-	\$ -
TOTAL PROJECT COSTS (2018\$)				\$	7,031,000	\$ 9,359,000

Davis Adult and Community Education Masterplan Estimate

Construction Cost Summary

						nstruction		
	A	1114		U-4 0-4	Cost	Sul	b-	Total Project Cost
	Area	Unit		Unit Cost		Total	+	25% (x 1.33)
Modernize / Reconfigure Existing Classrooms					\$		1	
No scope in this category					•			•
The deepe in this energy.							t	
2. Existing Building Systems, Toilets and Improved En	ergy Efficiency				\$	-	,	-
No scope in this category								
3. Site Utilities & Infrastructure					\$	-	1	-
No scope in this category								
4. New Construction (Classrooms)					\$	•	1	-
No scope in this category							+	
5. Elementary STEM & JrHS/HS Science Programs					\$	_	١,	
No scope in this category					٠		ı,	•
140 Scope in and category							t	
6. JrHS/HS Electives Improvements					\$			-
No scope in this category								
7. Music, Drama & Performing Arts Improvements					\$:	-
No scope in this category							1	
					\$	700.000	١.	
8. MPR, Student Union & Food Service Improvements	4		•	40.700.00	*	790,000		1,051,000
Remove portable classrooms	1	ea	\$	12,720.00	\$	12,720	'	
Multi-purpose rooms	1,238	sf	s	583.00	\$	721,463		
MPR, one story building Site improvements surrounding building pad	1,238	sf	\$	44.52		55,094		
Site improvements surrounding building pad	1,230	51	Ŷ	44.32	φ	33,034	+	
9. Physical Education Improvements					\$		١,	
No scope in this category					*			•
							T	
10. Staff and Community Support					\$	639,000	: ا	\$ 850,000
Remove portable classrooms	1	ea	\$	12,720.00	\$	12,720)	
Administration								
Admin, one story building	990	sf	\$	461.10	\$	456,489	9	
Site improvements surrounding building pad	990	sf	\$	44.52	\$	44,075	5	
Staff work rooms								
Admin, one story building	248	sf	\$		\$	114,122		
Site improvements surrounding building pad	248	sf	\$	44.52	\$	11,019	9	

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5/24/18

Construction Cost Summary

				Co	nstruction		
				Cost			al Project Cost
	Area	Unit	Unit Cost	<u> </u>	Total	2	25% (x 1.33)
11. Library & Student Support Services				\$		\$	
No scope in this category				•		Ť	
12. Safety and Security				\$	_	\$	
No scope in this category				ð	•	Ą	-
No scope in this category							
13. Bike / Car Parking & Drop-off				\$	-	\$	
No scope in this category							
14. Outdoor Learning Courts, Quads & Gardens				\$	-	\$	•
No scope in this category							
15. Exterior Play Spaces, Playfields & Hardcourts				\$		\$	
No scope in this category				•		,	
16. Next Generation Learning Furniture				\$	-	\$	-
No scope in this category							
17. Technology Infrastructure & Equipment No scope in this category				\$	-	\$	-
TOTAL PROJECT COSTS (2018\$)				\$	1,429,000	\$	1,901,000
101721 100201 00010 (20104)				Ÿ	1,423,000	<u>*</u>	1,501,00

Construction Cost Summary

					Construc	tion		
				1-	ost	Sub-		Project Cost
	Area	Unit	Unit Co	st	Total		25%	6 (x 1.33)
Modernize / Reconfigure Existing Classrooms				9	;		\$	
No scope in this category								
2. Existing Building Systems, Toilets and Improved En	ergy Efficiency			\$	i	-	\$	-
No scope in this category								
3. Site Utilities & Infrastructure				9			\$	
No scope in this category				,			*	
,								
4. New Construction (Classrooms)				\$	i	-	\$	-
No scope in this category								
E Flamouton CTFM 9 Juli9/19 Calonea Drawana				9			\$	_
Elementary STEM & JrHS/HS Science Programs No scope in this category				•)	•	Þ	•
No scope in this category								
6. JrHS/HS Electives Improvements				\$;	-	\$	-
No scope in this category								
7. Music, Drama & Performing Arts Improvements				\$;	-	\$	-
No scope in this category								
8. MPR, Student Union & Food Service Improvements				9			\$	
No scope in this category							1	
9. Physical Education Improvements				\$	i	-	\$	-
No scope in this category								
10. Staff and Community Support				9	. 12	3,000	\$	177,000
District facilities: warehouse, M&O and transportation				•	, 13	3,000	۳	177,000
Minor modernization	2.700	sf	\$	35.25 \$		95,162	enclosu	re upgrades
Landscaping improvements including drip irrgation	2,500	sf	\$	15.00 \$		37,500		
11. Library & Student Support Services				\$	i	-	\$	•
No scope in this category								
12. Safety and Security				9	;		\$	_
No scope in this category				•		-	*	-
and datagory								
13. Bike / Car Parking & Drop-off				\$;	-	\$	-
No scope in this category]	

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Construction Cost Summary

		1114	Heit O and	Cost		I Project Cost
	Area	Unit	Unit Cost		Total	 5% (x 1.33)
14. Outdoor Learning Courts, Quads & Gardens No scope in this category				\$		\$
15. Exterior Play Spaces, Playfields & Hardcourts No scope in this category				\$	-	\$ -
16. Next Generation Learning Furniture No scope in this category				\$	-	\$
17. Technology Infrastructure & Equipment No scope in this category				\$	-	\$ -
TOTAL PROJECT COSTS (2018\$)				\$	133,000	\$ 177,000

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SECTION 6

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School Site	,	Category 1 - ADA Jpgrade Allowance	Ca	stegory 2 - Reconfigure Restrooms	Concrete Paving			Total Project Cost
DJUSD Children's Center	\$		\$	27,000	\$		\$	27,000
							_	
TOTAL PROJECT COST (PRESCHOOLS)	-				_		\$	27,000
Birch Lane Elementary School	S	65.000	e	27.000	\$			92,000
Birch Lane Elementary School	Ŷ	05,000	٥	21,000	Ŷ	-	P	52,000
Cesar Chavez Elementary School	\$	58.000	S	27.000	\$	67.000	S	152,000
,			Г	,		. ,		,,,,,
Fairfield Elementary School	\$	12,000	\$	27,000	\$		\$	39,000
							_	
Korematsu Elementary School	\$		\$	27,000	\$		\$	27,000
Marguerite Montgomery Elementary School	s		S	97.000	\$		s	97.000
marguerite montgemery Elementary Concor	•		Ť	01,000	•		•	01,000
North Davis Elementary School	\$	50,000	\$	27,000	\$		\$	77,000
Patwin Elementary School	\$	76,000	\$	27,000	\$	35,000	\$	138,000
Pioneer Elementary School	•	68.000		27.000	•			95.000
Ploneer Elementary School	\$	68,000	٥	27,000	٥	•	٥	95,000
Willett Elementary School	S	76.000	S	467.000	\$	89.000	s	632.000
	-	,	Ť	,	_		_	
TOTAL PROJECT COST (ELEMENTARY SCHOOLS)							\$	1,349,000
Ralph Waldo Emerson Junior High School	\$	66,000	\$	27,000	\$		\$	93,000
Frances Harper Junior High School	e		S	27.000	¢		٠	27,000
Frances narper Junior High School	Þ	•	ð	21,000	Þ		ð	21,000
Oliver Wendell Holmes Junior High	\$		S	133,000	\$		\$	133,000
•								,
Martin Luther King (Jr.) High School	\$		\$	27,000	\$		\$	27,000
TOTAL DDG IFOT COOT (MIDD) F COULOG O	_		L				Ļ	280.000
TOTAL PROJECT COST (MIDDLE SCHOOLS)	H		H		_		\$	280,000
Davis Senior High School	S		S	27.000	4	32.000		59,000
Davis Veliloi Tilgii Volivoi	Ÿ	•	3	21,000	Ŷ	32,000	*	33,000
Da Vinci Charter Academy (JrHS & HS)	\$	43,000	\$	27,000	\$	86,000	\$	156,000
TOTAL PROJECT COST (HIGH SCHOOLS)		•		· ·			\$	215,000
TOTAL PROJECT COST	H		⊢		_		s	1.871.000
TOTAL PROJECT COST	_		_		_		ş	1,071,000



Davis Joint Unified School District Masterplan

Sacramento, CA June 20, 2018

Prepared For LPA, Inc.

SECTION 6



Davis Joint Unified School District Masterplan

Sacramento, CA June 20, 2018

INTRODUCTION

1. Basis Of Estimate

This cost estimate is based upon documents and quantities provided by LPA, Inc.

2. Excluded Costs

The following cost items are excluded from this estimate.

- 1) Escalation is not included. Pricing good through the end of 2018.
- 2) Land purchase costs.
- 3) Off-site work, unless noted otherwise.
- 4) Costs of hazardous material surveys, abatement, and disposal, unless noted otherwise.
- 5) FF&E, unless noted otherwise.

3. Clarifications

This estimate is based upon the following assumptions.

- 1) A competitive bid environment at subcontractor and GC level.
- 2) The use of prevailing wage labor rates.
- 3) We are assuming a traditional design -bid build procurement methodology.
- 4) Unit costs are inclusive of General Conditions, General Requirements, Overhead and Profit, Bonds and Insurance and
- 5) Softs costs are estimated at 33% per LPA, Inc.

Sheet 2 of 79

Davis Joint Unified School District Masterplan Sacramento, CA June 20, 2018

	1963/2001	1953/2000	1958/2003	2005	2001	1957/2004	1992	1966/2003	1966/2000
Program Scope	Birch Lane ES	Cesar Chavez ES	Fairfield ES	Korematsu ES	Marguerite Montgomery ES	North Davis ES	Patwin ES	Pioneer ES	Willett ES
1. Modernize / Reconfigure Existing Classrooms	-	-	-	-	-	-	1,309,000	-	-
1. Modernize / Reconfigure Existing Glassioonis	-	-	-	<u> </u>	-	-	1,509,000	-	<u> </u>
2. Existing Building Systems, Toilets and Improved Energy Efficie	48,000	48,000	48,000	48,000	48,000	48,000	1,638,000	48,000	48,000
3. Site Utilities & Infrastructure	-	-	-	-	-	-	-	-	-
4. New Construction (Classrooms)	-	-	-	-	-	4,080,000 K CR's / Spec Ed	-	1,013,000	-
5. Elementary STEM & JrHS/HS Science Programs	-	-	-	-	-	-	-	-	-
6. JrHS/HS Electives Improvements	-	-	-	-	-	-	-	-	-
7. Music, Drama & Performing Arts Improvements	1,027,000	1,010,000	-	-	-	1,010,000	-	-	1,010,000
8. MPR, Student Union & Food Service Improvements	9,031,000	9,031,000	305,000	-	-	9,122,000	-	-	9,031,000
9. Physical Education Improvements	-	-	-	-	-	-	-	-	-
10. Staff and Community Support	1,301,000	1,307,000	-	163,000	145,000	3,290,000	-	-	3,115,000
11. Library & Student Support Services	-	-	-	-	-	-	-	-	1,820,000
12. Safety and Security	1,155,000	1,010,000	176,000	739,000	672,000	1,013,000	1,537,000	1,199,000	1,606,000
13. Bike / Car Parking & Drop-off	1,393,000	1,345,000	-	92,000	58,000	1,063,000	536,000	270,000	787,000
14. Outdoor Learning Courts, Quads & Gardens	-	-	-	-	-	-	-	392,000	-
15. Exterior Play Spaces, Playfields & Hardcourts	579,000	619,000	-	-	-	147,000 K / Spec Ed Play Grnd	-	-	-
16. Next Generation Learning Furniture	848,000	583,000	67,000	-	-	716,000	663,000	742,000	742,000
17. Technology Infrastructure & Equipment TOTAL PROJECT COST	749,000 \$ 16,131,000	699,000 \$ 15,652,000	\$ 683,000	445,000 \$ 1,487,000	445,000 \$ 1,368,000	702,000 \$ 21,191,000	621,000 \$ 6,304,000	853,000 \$ 4,517,000	891,000 \$ 19,050,000
- ISTAL PROJECT COST	10,131,000	2	3	4 1,407,000	1,300,000			8	9

	ol Site										Total
1978	2004	1964/2004	1950/2001	1958/2000	1980s		New			1978/2004	
Raiph Waldo Emerson Jr HS	Frances Harper Jr HS	Oliver Wendell Holmes Jr HS	Davis Senior HS	Da Vinci Charter Academy (JrHS & HS)	Martin Luther King Jr HS	Davis School for Independent Study (DSIS) and District Office	DJUSD Children's Center	Davis Adult and Community Education	District Office	Maintenance & Operations	
2,190,000	-	-	-	-	-	-	-	-	-	-	3,499,000
700,000	54.000	55,000	CO 000	FF 000	40,000		40,000				0.040.000
768,000 6,137,000	54,000 < Mod. Scope	55,000	62,000	55,000	48,000	-	48,000	-	-	-	9,249,000
2,496,000	- Wou. Scope	-	-	643.000	-	-	539,000	-		-	3,678,000
							·				
-	-	-	•	7,596,000	-	-	5,339,000	-	-	-	18,028,000
4.417.000	-	-	17.269.000	2,307,000	-	-	-	-	-	-	23,993,000
4,417,000	-	-	17,209,000	2,307,000	-	-	-	-	<u>-</u>	-	23,993,000
1,477,000	-	-	9,131,000	2,625,000	-	-	-	-	-	-	13,233,000
591,000	-	-	877,000	-	-	-	-	-	-	-	5,525,000
-	-	-	-	-	-	-	-	1,051,000	-	-	37,571,000
-	-	•	•	-	-	-	-	1,031,000	-	-	37,371,000
-	-	-	2,279,000	-	-	-	-	-	-	-	2,279,000
-	-	-	•	-	-	1,995,000	1,320,000	850,000	-	-	13,486,000
_	-	-	-	_	-	-	970,000	-	-	-	2,790,000
-	-	•	•	-	-	-	970,000	-	-	-	2,790,000
991,000	775,000	1,025,000	3,005,000	1,272,000	42,000	-	261,000	-	-	-	17,071,000
593,000	< Mod. Scope										
110,000	91,000	1,063,000	216,000	687,000	-	-	554,000	-	-	-	8,265,000
-	-	-	-	-	-	-	-	-	-	-	392,000
-	-	•	•	-	-	-	-	-	-	-	392,000
-	-	-	7,648,000	-	-	-	328,000	-	-	-	9,321,000
663,000	-	928,000	2,120,000	663,000	-	-	-	-	-	-	8,735,000
1.621.000	903.000	963.000	2.212.000	650.000	197,000	-	-	-	-	-	12,038,000
\$ 22,054,000	\$ 1,823,000	,	\$ 44,819,000			\$ 1,995,000				\$ -	\$ 189,153,000
10	11	12	13	14	15	16	17	18	19	20	
				Associated ES MPR Sco	pes of Work			Group 1 Scope Total Proj	ect Cost (2018\$):		134,262,000
								Group 2 Scope Total Proj	ect Cost (2018\$):		54,891,000
										Grand Total:	189,153,000

SECTION 6



Birch Lane ES Masterplan Estimate

6/20/18

Construction Cost Summary

			it Unit C		Construction												
	Area	Unit		Unit Cost	Cost	Total	Sub-	Total Proje 25% (x									
I	Area	Unit		Unit Cost		Total		23% (X	1.33)								
Modernize / Reconfigure Existing Classrooms					\$			\$									
Existing classrooms (MEP scope covered in Section C)																	
Structural upgrades																	
Roof / wall connections	16,140	sf	\$	15.90													
Walls																	
Repair existing walls	16,140	sf	\$	5.30													
Windows																	
Replace existing windows	16,140	sf	\$	23.85													
Doors																	
Repair existing doors	16,140	sf	\$	5.30													
Floors																	
Replace existing floors	16,140	sf	\$	17.49													
Ceilings																	
Repair existing ceilings	16,140	sf	\$	13.25													
Exteriors																	
Patch, repair and paint	16,140	sf	\$	5.30				Paint trim and	seal concre								
Refurbish covered walkways	2,100	sf	\$	35.00													
ADA upgrades, allowance	16,140	sf	\$	3.00													
Existing Building Systems, Toilets and Improved Energy	Efficiency				\$	36	i,000	\$	48,00								
Restroom upgrades	•	ef	ę	265.00													
Restroom upgrades Reconfigure	Efficiency 75	sf	\$	265.00			5 ,000 9,875	\$ gender neutral									
Restroom upgrades Reconfigure Building systems	75																
Restroom upgrades Reconfigure Building systems EMS systems upgrades	75 18,390	sf	\$	7.95				gender neutral	.,								
Restroom upgrades Reconfigure Building systems EMS systems upgrades Lighting and controls upgrades	75 18,390 18,390	sf sf	\$	7.95 10.60					.,								
Restroom upgrades Reconfigure Building systems EMS systems upgrades Lighting and controls upgrades Convenience power upgrades	75 18,390 18,390 18,390	sf sf sf	\$ \$ \$	7.95 10.60 6.89	\$	1	9,875	gender neutral	.,								
Restroom upgrades Reconfigure Building systems EMS systems upgrades Lighting and controls upgrades	75 18,390 18,390	sf sf	\$	7.95 10.60	\$	1		gender neutral	.,								
Restroom upgrades Reconfigure Building systems EMS systems upgrades Lighting and controls upgrades Convenience power upgrades Replace drinking fountains with ADA fountains including bottle filli	75 18,390 18,390 18,390	sf sf sf	\$ \$ \$	7.95 10.60 6.89	\$	1	9,875	gender neutral	.,								
Restroom upgrades Reconfigure Building systems EMS systems upgrades Lighting and controls upgrades Convenience power upgrades Replace drinking fountains with ADA fountains including bottle filli	75 18,390 18,390 18,390	sf sf sf	\$ \$ \$	7.95 10.60 6.89	\$	1	9,875	gender neutral mod. at 50%	.,								
Restroom upgrades Reconfigure Building systems EMS systems upgrades Lighting and controls upgrades Convenience power upgrades Replace drinking fountains with ADA fountains including bottle filli Site Utilities & Infrastructure	75 18,390 18,390 18,390	sf sf sf	\$ \$ \$	7.95 10.60 6.89	\$	1	9,875	gender neutral mod. at 50%	restroom								
Restroom upgrades Reconfigure Building systems EMS systems upgrades Lighting and controls upgrades Convenience power upgrades Replace drinking fountains with ADA fountains including bottle fill Site Utilities & Infrastructure Based on entire campus area, upgrade existing utilities; Electrical capacity upgrades	75 18,390 18,390 18,390 3	sf sf sf ea	\$ \$ \$ \$	7.95 10.60 6.89 5,088.00	\$	1	9,875	gender neutral mod. at 50% \$ to accom. new	restroom								
Restroom upgrades Reconfigure Building systems EMS systems upgrades Lighting and controls upgrades Convenience power upgrades Replace drinking fountains with ADA fountains including bottle filli Site Utilities & Infrastructure Based on entire campus area, upgrade existing utilities; Electrical capacity upgrades New Construction (Classrooms)	75 18,390 18,390 18,390 3	sf sf sf ea	\$ \$ \$ \$	7.95 10.60 6.89 5,088.00	\$	1	9,875	gender neutral mod. at 50%	restroom								
Restroom upgrades Reconfigure Building systems EMS systems upgrades Lighting and controls upgrades Convenience power upgrades Replace drinking fountains with ADA fountains including bottle filli Site Utilities & Infrastructure Based on entire campus area, upgrade existing utilities; Electrical capacity upgrades New Construction (Classrooms) Pre-school and kindergarten	75 18,390 18,390 18,390 3	sf sf sf ea	\$ \$ \$ \$ \$	7.95 10.60 6.89 5,088.00	\$	1	9,875	gender neutral mod. at 50% \$ to accom. new	restroom								
Restroom upgrades Reconfigure Building systems EMS systems upgrades Lighting and controls upgrades Convenience power upgrades Replace drinking fountains with ADA fountains including bottle filli Site Utilities & Infrastructure Based on entire campus area, upgrade existing utilities; Electrical capacity upgrades New Construction (Classrooms) Pre-school and kindergarten Remove portable classrooms	75 18,390 18,390 18,390 3	sf sf sf ea Is	\$ \$ \$ \$	7.95 10.60 6.89 5,088.00 291,500.00	\$	1	9,875	gender neutral mod. at 50% \$ to accom. new	restroom								
Restroom upgrades Reconfigure Building systems EMS systems upgrades Lighting and controls upgrades Convenience power upgrades Replace drinking fountains with ADA fountains including bottle filli Site Utilities & Infrastructure Based on entire campus area, upgrade existing utilities; Electrical capacity upgrades New Construction (Classrooms) Pre-school and kindergarten Remove portable classrooms Classrooms, one story building	75 18,390 18,390 18,390 3 1	sf sf sf ea ls	\$ \$ \$ \$ \$ \$ \$ \$ \$	7.95 10.60 6.89 5,088.00 291,500.00 12,720.00 467.46	\$	1	9,875	gender neutral mod. at 50% \$ to accom. new	restroom								
Restroom upgrades Reconfigure Building systems EMS systems upgrades Lighting and controls upgrades Convenience power upgrades Replace drinking fountains with ADA fountains including bottle fill Site Utilities & Infrastructure Based on entire campus area, upgrade existing utilities; Electrical capacity upgrades New Construction (Classrooms) Pre-school and kindergarten Remove portable classrooms Classrooms, one story building Site improvements surrounding building pad	75 18,390 18,390 18,390 3	sf sf sf ea Is	\$ \$ \$ \$	7.95 10.60 6.89 5,088.00 291,500.00	\$	1	9,875	gender neutral mod. at 50% \$ to accom. new	restroom								
Restroom upgrades Reconfigure Building systems EMS systems upgrades Lighting and controls upgrades Convenience power upgrades Replace drinking fountains with ADA fountains including bottle filli Site Utilities & Infrastructure Based on entire campus area, upgrade existing utilities; Electrical capacity upgrades New Construction (Classrooms) Pre-school and kindergarten Remove portable classrooms Classrooms, one story building Site improvements surrounding building pad Student collaboration lab	75 18,390 18,390 18,390 3 1 1	sf sf sf ea ls	\$ \$ \$ \$ \$	7.95 10.60 6.89 5,088.00 291,500.00 12,720.00 467.46 44.52	\$	1	9,875	gender neutral mod. at 50% \$ to accom. new	restroom								
Restroom upgrades Reconfigure Building systems EMS systems upgrades Lighting and controls upgrades Convenience power upgrades Replace drinking fountains with ADA fountains including bottle filli Site Utilities & Infrastructure Based on entire campus area, upgrade existing utilities; Electrical capacity upgrades New Construction (Classrooms) Pre-school and kindergarten Remove portable classrooms Classrooms, one story building Site improvements surrounding building pad Student collaboration lab Classrooms, two story building	75 18,390 18,390 18,390 3 1 1 2 3,630 3,630 2,554	sf sf sf ea	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7.95 10.60 6.89 5,088.00 291,500.00 12,720.00 467.46 44.52 514.10	\$	1	9,875	gender neutral mod. at 50% \$ to accom. new	restroom								
Restroom upgrades Reconfigure Building systems EMS systems upgrades Lighting and controls upgrades Convenience power upgrades Replace drinking fountains with ADA fountains including bottle filli Site Utilities & Infrastructure Based on entire campus area, upgrade existing utilities; Electrical capacity upgrades New Construction (Classrooms) Pre-school and kindergarten Remove portable classrooms Classrooms, one story building Site improvements surrounding building pad Student collaboration lab Classrooms, two story building Site improvements surrounding building pad	75 18,390 18,390 18,390 3 1 1	sf sf sf ea ls	\$ \$ \$ \$ \$	7.95 10.60 6.89 5,088.00 291,500.00 12,720.00 467.46 44.52	\$	1	9,875	gender neutral mod. at 50% \$ to accom. new	restroom								
Restroom upgrades Reconfigure Building systems EMS systems upgrades Lighting and controls upgrades Convenience power upgrades Replace drinking fountains with ADA fountains including bottle filli Site Utilities & Infrastructure Based on entire campus area, upgrade existing utilities; Electrical capacity upgrades New Construction (Classrooms) Pre-school and kindergarten Remove portable classrooms Classrooms, one story building Site improvements surrounding building pad Student collaboration lab Classrooms, two story building Site improvements surrounding building pad Elementary school	75 18,390 18,390 18,390 3 1 1 2 3,630 3,630 2,554 1,277	sf sf sf ea	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7.95 10.60 6.89 5.088.00 291,500.00 12,720.00 467.46 44.52 514.10 44.52	\$	1	9,875	gender neutral mod. at 50% \$ to accom. new	restroom								
Restroom upgrades Reconfigure Building systems EMS systems upgrades Lighting and controls upgrades Convenience power upgrades Replace drinking fountains with ADA fountains including bottle filli- Site Utilities & Infrastructure Based on entire campus area, upgrade existing utilities; Electrical capacity upgrades New Construction (Classrooms) Pre-school and kindergarten Remove portable classrooms Classrooms, one story building Site improvements surrounding building pad Student collaboration lab Classrooms, two story building Site improvements surrounding building pad Elementary school Remove portable classrooms	75 18,390 18,390 18,390 3 1 1 2 3,630 3,630 2,554 1,277	sf sf sf ea	\$ \$ \$ \$ \$ \$ \$ \$ \$	7.95 10.60 6.89 5.088.00 291,500.00 12,720.00 467.46 44.52 514.10 44.52	\$	1	9,875	gender neutral mod. at 50% \$ to accom. new	-								
Restroom upgrades Reconfigure Building systems EMS systems upgrades Lighting and controls upgrades Convenience power upgrades Replace drinking fountains with ADA fountains including bottle filli Site Utilities & Infrastructure Based on entire campus area, upgrade existing utilities; Electrical capacity upgrades New Construction (Classrooms) Pre-school and kindergarten Remove portable classrooms Classrooms, one story building Site improvements surrounding building pad Student collaboration lab Classrooms, two story building Site improvements surrounding building pad Elementary school	75 18,390 18,390 18,390 3 1 1 2 3,630 3,630 2,554 1,277	sf sf sf ea	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7.95 10.60 6.89 5.088.00 291,500.00 12,720.00 467.46 44.52 514.10 44.52	\$	1	9,875	gender neutral mod. at 50% \$ to accom. new	restroom								

Construction Cost Summary

						onstruction		
	Area	Unit		Unit Cost	Cost	Sub- Total		Total Project Cost 25% (x 1.33)
	Alea	Onit	_	Ollit Cost		TOtal		23/0 (X 1.33)
5. Elementary STEM & JrHS/HS Science Programs					\$		\$	
Elementary science and STEM labs								
Lab classrooms, one story building	2,640	sf	\$	545.90				
Site improvements surrounding building pad	2,640	sf	\$	44.52				
6. JrHS/HS Electives Improvements					\$	_	\$	_
No scope in this category					•		۲	
No scope in this category							H	
7. Music, Drama & Performing Arts Improvements					\$	772,000	\$	1,027,000
Remove portable classrooms	1	sf	\$	12,720.00	\$	12,720		
Music lab classroom								
Lab classrooms, one story building	1,320	sf	\$	530.00	\$	699,600		
Site improvements surrounding building pad	1,320	sf	\$	44.52	\$	58,766		
8. MPR, Student Union & Food Service Improvements					\$	6,790,000	\$	9,031,000
Multi-purpose rooms								
MPR, one story building	8,388	sf	\$	583.00	\$	4,889,913		
Site improvements surrounding building pad	8,388	sf	\$	44.52	\$	373,412		
Food service								
Food service, one story building	1,650	sf	\$	694.30	\$	1,145,595		
Site improvements surrounding building pad	1,650	sf	\$	44.52	\$	73,458		
New trash enclosure	1	ea	\$	53,000.00	\$	53,000		
New lunch shelter	2,400	sf	\$	106.00	\$	254,400		
Physical Education Improvements No scope in this category					\$	•	\$	•
No scope in this category								
10. Staff and Community Support					\$	978,000	\$	1,301,000
Demolish existing buildings	1,200	sf	\$	26.50	\$	31,800		
Administration								
Reconfigure	2,250	sf	\$	270.30	\$	608,175		
Staff work rooms								
Reconfigure	1,250	sf	\$	270.30	\$	337,875		
11 Library & Student Support Services					\$		\$	
11. Library & Student Support Services					ð	•	Þ	•
Elementary school library and innovation lab	2.040	-4	•	286.20				
Reconfigure	3,840	sf	\$	200.20				
Learning center	1,920	of	\$	279.84				
Reconfigure	1,920	sf	ф	2/9.84			l	

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					Construction			
					Cost		Total Proje	ct Cost
	Area	Unit		Unit Cost		Total	25% (x 1	1.33)
12. Safety and Security					s	868,000	s	1,155,000
Decorative metal fencing and gates	1.140	If	s	296.80	\$	338,352	,	.,,
Rolling decorative metal gate	3	ea	\$	47,700.00		143,100		
New exterior lighting for student safety	1	Is	\$	80,000.00		80.000		
New safety locks to existing classroom doors	37	ea	\$	1,351.50		50,006		
New emergency signs and posts	1	Is	\$	38,160.00		38.160		
New marquee sign	1	ea	\$	21,200.00		21,200		
Low voltage upgrades	·	00	•	21,200.00	•	21,200		
Fire alarm system	18.390	sf	\$	6.36				
New fire alarm head end equipment, allowance	10,000	Is	\$	26.500.00				
Emergency lighting	18.390	sf	\$	1.70	ç	31,189		
PA / emergency communication systems	18,390	sf	\$	9.01		165,694		
Intrusion alarms	18.390	sf	\$	2.12	٠	Excluded		
Other security systems	18,390	sf	\$	2.12		Excluded	cameras	
Other security systems	10,390	51	φ	2.04		EXCIUUEU	Callielas	
13. Bike / Car Parking & Drop-off					\$	1,047,000	\$	1,393,000
New parking lot	16,200	sf	\$	19.08	\$	309,096		
New drop-off area	14,250	sf	\$	21.20	\$	302,100		
Slurry access road	7,500	sf	\$	12.47	\$	93,532		
New concrete pedestrian paving	4,500	sf	\$	19.08	\$	85,860		
Entry plaza upgrades	3,000	sf	\$	30.74	\$	92,220		
Bike parking incl. fencing and gates, AC paving and bike racks	7,850	sf	\$	20.87	\$	163,830		
14. Outdoor Learning Courts, Quads & Gardens					\$		\$	-
New student quad	13,050	sf	\$	19.29				
New learning courts	9,471	sf	\$	20.67				
15. Exterior Play Spaces, Playfields & Hardcourts					s	435,000	\$	579,000
Pre-school and kindergarten play yard					*	100,000	*	0.0,000
New rubber surfacing	1.500	sf	s	23.32				
Shade structure	1,200	sf	\$	53.00				
Minor repairs to hardcourts	4.800	sf	\$	4.24				
Elementary play yard and hardcourts	4,500	31	Ψ	7.24				
New rubber surfacing	9.000	sf	\$	23.32				
Slurry and stripe existing hardcourts	55,450	sf	\$	4.24	ç	235,108		
New hardcourts	15.675	sf	\$	12.72		199,386		
New basketball courts and hoops	13,075	ea	\$	5,830.00	Ÿ	133,300		
New ball walls	1	ea	\$	10.600.00				
Repair playfields	136,600	ea sf	\$	0.80			minor repairs	
	130,000	51	φ	0.00			minor repairs	
Baseball and softball fields	^		•	20.450.00				
New backstop	2	ea	\$	29,150.00 21.06				
New bike path	4,500	sf	\$	21.06				

Construction Cost Summary

Birch Lane ES Masterplan Estimate

Construction Cost Summary

				•				
	C					onstruction		
					Cost	Sub-	1	Total Project Cost
	Area	Unit		Unit Cost		Total		25% (x 1.33)
16. Next Generation Learning Furniture					\$	848,000	\$	848,000
Flexible furniture per classroom (direct cost)	32	ea	\$	26,500.00	\$	848,000		
							Г	
17. Technology Infrastructure & Equipment					\$	749,000	\$	749,000
Classroom tech package - smart boards, projector, project								
mounts, flat screen monitor, audio system, etc. (direct cost)	32	ea	\$	12,720.00	\$	407,040		
Upgrade backbone, wireless access points, and switches (direct								
cost)	18,390	sf	\$	9.28	\$	170,567		
Upgrade fiber to support (direct cost)	18,390	sf	\$	9.28	\$	170,567		
							Г	
TOTAL PROJECT COSTS (2018\$)					\$	12,523,000	\$	16,131,000
							_	

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Cesar Chavez ES Masterplan Estimate

Construction Cost Summary

Construction	Cost	Summary	
CONSTRUCTION	CUSI	Julillialy	

						nstruct	-	
					Cost		Sub	
<u>l</u> _	Area	Unit		Unit Cost		Total		25% (x 1.33)
. Modernize / Reconfigure Existing Classrooms					\$			\$ -
Existing classrooms (MEP scope covered in Section C)					۳			•
Walls								
Repair existing walls	14,400	sf	\$	5.30				
Windows	14,400	31	Ψ	3.30				
Replace existing windows	14,400	sf	\$	53.66				includes clerestory
Doors	14,400	31	۳	00.00				modes derestory
Repair existing doors	14,400	sf	\$	5.30				
Floors	14,400	31	Ψ	3.30				
Replace existing floors	14,400	sf	\$	17.49				
Ceilings	14,400	51	φ	17.43				
_	44.400	sf	\$	13.25				
Repair existing ceilings Exteriors	14,400	SI	Þ	13.25				
	44.400		•	5.00				
Patch, repair and paint	14,400	sf	\$	5.30 35.00				
Refurbish covered walkways	1,800 14.400	sf	\$					
ADA upgrades, allowance		sf	\$	3.00				
LExisting Building Systems, Toilets and Improved Energy E		-			\$	36	5,000	\$ 48,0
Existing Building Systems, Toilets and Improved Energy E Restroom upgrades	Efficiency	sf	s		·			
E. Existing Building Systems, Toilets and Improved Energy E Restroom upgrades Reconfigure		sf	\$	265.00	·		5,000 9,875	\$ 48,00 gender neutral restro
E. Existing Building Systems, Toilets and Improved Energy E Restroom upgrades Reconfigure Building systems	Efficiency 75			265.00	·			
Existing Building Systems, Toilets and Improved Energy E Restroom upgrades Reconfigure Building systems EMS systems upgrades	75 22,595	sf	\$	265.00 7.95	·			
E. Existing Building Systems, Toilets and Improved Energy E Restroom upgrades Reconfigure Building systems EMS systems upgrades Convenience power upgrades	75 22,595 22,595	sf sf	\$	265.00 7.95 6.89	\$	1	9,875	
Existing Building Systems, Toilets and Improved Energy E Restroom upgrades Reconfigure Building systems EMS systems upgrades	75 22,595	sf	\$	265.00 7.95	\$	1		
E. Existing Building Systems, Toilets and Improved Energy E Restroom upgrades Reconfigure Building systems EMS systems upgrades Convenience power upgrades	75 22,595 22,595	sf sf	\$	265.00 7.95 6.89	\$	1	9,875	
E. Existing Building Systems, Toilets and Improved Energy B Restroom upgrades Reconfigure Building systems EMS systems upgrades Convenience power upgrades Replace drinking fountains with ADA fountains including bottle fille	75 22,595 22,595	sf sf	\$	265.00 7.95 6.89	\$	1	9,875	gender neutral restro
E. Existing Building Systems, Toilets and Improved Energy B Restroom upgrades Reconfigure Building systems EMS systems upgrades Convenience power upgrades Replace drinking fountains with ADA fountains including bottle fille Site Utilities & Infrastructure	75 22,595 22,595	sf sf	\$	265.00 7.95 6.89	\$	1	9,875	gender neutral restro
Existing Building Systems, Toilets and Improved Energy E Restroom upgrades Reconfigure Building systems EMS systems upgrades Convenience power upgrades Replace drinking fountains with ADA fountains including bottle fille Site Utilities & Infrastructure Based on entire campus area, upgrade existing utilities;	75 22,595 22,595 3	sf sf ea	\$ \$	265.00 7.95 6.89 5,088.00	\$	1	9,875	gender neutral restro
Existing Building Systems, Toilets and Improved Energy E Restroom upgrades Reconfigure Building systems EMS systems upgrades Convenience power upgrades Replace drinking fountains with ADA fountains including bottle fille Site Utilities & Infrastructure Based on entire campus area, upgrade existing utilities; Natural gas service	75 22,595 22,595 3 435,600	sf sf ea	\$ \$ \$	265.00 7.95 6.89 5,088.00	\$	1	9,875	gender neutral restro
Existing Building Systems, Toilets and Improved Energy E Restroom upgrades Reconfigure Building systems EMS systems upgrades Convenience power upgrades Replace drinking fountains with ADA fountains including bottle fille Site Utilities & Infrastructure Based on entire campus area, upgrade existing utilities; Natural gas service Sanitary sewer service	75 22,595 22,595 3 435,600 435,600	sf sf ea sf sf	\$ \$ \$ \$	265.00 7.95 6.89 5,088.00	\$	1	9,875	gender neutral restro \$ - mod. at 50%
Existing Building Systems, Toilets and Improved Energy E Restroom upgrades Reconfigure Building systems EMS systems upgrades Convenience power upgrades Replace drinking fountains with ADA fountains including bottle fille Site Utilities & Infrastructure Based on entire campus area, upgrade existing utilities; Natural gas service Sanitary sewer service Storm drain service Electrical capacity upgrades	75 22,595 22,595 3 435,600 435,600 435,600	sf sf ea sf sf sf	\$ \$ \$ \$ \$	265.00 7.95 6.89 5,088.00 0.21 0.42 0.05	\$ \$	1	9,875	gender neutral restro \$
Restroom upgrades Reconfigure Building Systems, Toilets and Improved Energy E Reconfigure Building systems EMS systems upgrades Convenience power upgrades Replace drinking fountains with ADA fountains including bottle fille Site Utilities & Infrastructure Based on entire campus area, upgrade existing utilities; Natural gas service Sanitary sewer service Storm drain service	75 22,595 22,595 3 435,600 435,600 435,600	sf sf ea sf sf sf	\$ \$ \$ \$ \$	265.00 7.95 6.89 5,088.00 0.21 0.42 0.05	\$	1	9,875	gender neutral restro \$ - mod. at 50%
Restroom upgrades Reconfigure Building Systems, Toilets and Improved Energy E Restroom upgrades Reconfigure Building systems EMS systems upgrades Convenience power upgrades Replace drinking fountains with ADA fountains including bottle fille Site Utilities & Infrastructure Based on entire campus area, upgrade existing utilities; Natural gas service Sanitary sewer service Storm drain service Electrical capacity upgrades New Construction (Classrooms) Pre-school and kindergarten	75 22,595 22,595 3 435,600 435,600 1	sf sf ea sf sf sf	\$ \$ \$ \$ \$	265.00 7.95 6.89 5.088.00 0.21 0.42 0.05 291,500.00	\$ \$	1	9,875	gender neutral restro \$
Existing Building Systems, Toilets and Improved Energy E Restroom upgrades Reconfigure Building systems EMS systems upgrades Convenience power upgrades Replace drinking fountains with ADA fountains including bottle fille Site Utilities & Infrastructure Based on entire campus area, upgrade existing utilities; Natural gas service Sanitary sewer service Storm drain service Electrical capacity upgrades New Construction (Classrooms)	75 22,595 22,595 3 435,600 435,600 435,600	sf sf ea sf sf sf	\$ \$ \$ \$ \$	265.00 7.95 6.89 5,088.00 0.21 0.42 0.05	\$ \$	1	9,875	gender neutral restro \$
Restroom upgrades Reconfigure Building Systems, Toilets and Improved Energy E Restroom upgrades Reconfigure Building systems EMS systems upgrades Convenience power upgrades Replace drinking fountains with ADA fountains including bottle fille Site Utilities & Infrastructure Based on entire campus area, upgrade existing utilities; Natural gas service Sanitary sewer service Storm drain service Electrical capacity upgrades New Construction (Classrooms) Pre-school and kindergarten	75 22,595 22,595 3 435,600 435,600 1	sf sf ea sf sf sf sf	\$ \$ \$ \$ \$ \$	265.00 7.95 6.89 5.088.00 0.21 0.42 0.05 291,500.00	\$ \$	1	9,875	gender neutral restro \$
Existing Building Systems, Toilets and Improved Energy E Restroom upgrades Reconfigure Building systems EMS systems upgrades Convenience power upgrades Replace drinking fountains with ADA fountains including bottle fille Site Utilities & Infrastructure Based on entire campus area, upgrade existing utilities; Natural gas service Sanitary sewer service Solorm drain service Electrical capacity upgrades New Construction (Classrooms) Pre-school and kindergarten Classrooms, one story building	75 22,595 22,595 22,595 3 435,600 435,600 1 4,455	sf sf ea	\$ \$ \$ \$ \$ \$	265.00 7.95 6.89 5.088.00 0.21 0.42 0.05 291,500.00	\$ \$	1	9,875	gender neutral restro \$
Existing Building Systems, Toilets and Improved Energy E Restroom upgrades Reconfigure Building systems EMS systems upgrades Convenience power upgrades Replace drinking fountains with ADA fountains including bottle fille Site Utilities & Infrastructure Based on entire campus area, upgrade existing utilities; Natural gas service Sanitary sewer service Storm drain service Electrical capacity upgrades New Construction (Classrooms) Pre-school and kindergarten Classrooms, one story building Site improvements surrounding building pad	75 22,595 22,595 22,595 3 435,600 435,600 1 4,455	sf sf ea	\$ \$ \$ \$ \$ \$	265.00 7.95 6.89 5.088.00 0.21 0.42 0.05 291,500.00	\$ \$	1	9,875	gender neutral restro \$
Existing Building Systems, Toilets and Improved Energy E Restroom upgrades Reconfigure Building systems EMS systems upgrades Convenience power upgrades Replace drinking fountains with ADA fountains including bottle fille Site Utilities & Infrastructure Based on entire campus area, upgrade existing utilities; Natural gas service Sanitary sewer service Storm drain service Electrical capacity upgrades New Construction (Classrooms) Pre-school and kindergarten Classrooms, one story building Site improvements surrounding building pad Elementary school Elementary school Elementary school Elementary school	75 22,595 22,595 22,595 3 435,600 435,600 1 4,455	sf sf ea	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	265.00 7.95 6.89 5.088.00 0.21 0.42 0.05 291,500.00	\$ \$	1	9,875	gender neutral restro \$

					Ċ	onstruction	
					Cost		
	Area	Unit		Unit Cost		Total	25% (x 1.33)
E Flamouton, CTEM 9 Juli9/US Science Droggens					s		s -
5. Elementary STEM & JrHS/HS Science Programs	2		•	40.700.00	þ	-	•
Remove portable classrooms	2	ea	\$	12,720.00			
Elementary science and STEM labs							
Reconfigure	1,920	sf	\$	318.00			
6. JrHS/HS Electives Improvements					\$	-	\$ -
No scope in this category							
7. Music, Drama & Performing Arts Improvements					\$	759,000	\$ 1,010,00
Music lab classroom							
Lab classrooms, one story building	1,320	sf	\$	530.00	\$	699,600	
Site improvements surrounding building pad	1,320	sf	\$	44.52	\$	58,766	
8. MPR, Student Union & Food Service Improvements					\$	6,790,000	\$ 9,031,00
Multi-purpose rooms							
MPR, one story building	8,388	sf	\$	583.00	\$	4,889,913	
Site improvements surrounding building pad	8,388	sf	\$	44.52	\$	373,412	
Food service							
Food service, one story building	1,650	sf	\$	694.30		1,145,595	
Site improvements surrounding building pad	1,650	sf	\$	44.52	\$	73,458	
New trash enclosure	1	ea	\$	53,000.00	\$	53,000	
New lunch shelter	2,400	sf	\$	106.00	\$	254,400	
9. Physical Education Improvements					\$	-	\$ -
No scope in this category							
10. Staff and Community Support					s	982,000	\$ 1,307,00
Demolish existing buildings	1.000	sf	\$	26.50	\$	26.500	,,,,,,,,
Administration	1,000	01	•	20.00	•	20,000	
Moderate modernization	300	sf	s	143.10	\$	42.930	
Reconfigure	1.950	sf	s	270.30		527,085	
Staff work rooms	.,	-	-		*	,	
Reconfigure	1.425	sf	s	270.30	\$	385,178	
Nooningaro	1,120		Ť	210.00	<u> </u>	000,110	
11. Library & Student Support Services					\$	-	\$ -
Elementary school library and innovation lab							
Reconfigure	2,600	sf	\$	286.20			
Add for louvered skylight to match improvements at Da Vinci H	1	ls	\$	125,000.00			Match improvements
Learning center							,
Classrooms, one story building	2,112	sf	\$	466.40			
Site improvements surrounding building pad	2,112	sf	\$	44.52			

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Cesar Chavez ES Masterplan Estimate

Construction Cost Summary

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	Area	Unit		Unit Cost	Cost	nstruction Sub- Total	Total Project Cost 25% (x 1.33)
5. Exterior Play Spaces, Playfields & Hardcourts					\$	465,000	\$ 619,000
Pre-school and kindergarten play yard							
New rubber surfacing	1,200	sf	\$	23.32			
Shade structure	1,200	sf	\$	53.00			
Elementary play yard and hardcourts							
New rubber surfacing	4,200	sf	\$	23.32			
New hardcourts	32,000	sf	\$	12.72	\$	407,040	
New basketball courts and hoops	8	ea	\$	5,830.00	\$	46,640	
New ball walls	1	ea	s	10.600.00	\$	10.600	
Repair playfields	104,000	sf	\$	1.11		.,	minor repairs and
							irrigation pump
Baseball and softball fields							
New backstop	1	ea	\$	29,150.00			
New bike path	6,600	sf	\$	21.06			
6. Next Generation Learning Furniture					s	583,000	\$ 583,000
Flexible furniture per classroom (direct cost)	22	ea	\$	26,500.00	\$	583,000	,
7. Technology Infrastructure & Equipment					\$	699,000	\$ 699,000
Classroom tech package - smart boards, projector, project							
mounts, flat screen monitor, audio system, etc. (direct cost)	22	ea	\$	12,720.00	\$	279,840	
Upgrade backbone, wireless access points, and switches (direct cost)	22.595	sf	\$	9.28	s	209.569	
Upgrade fiber to support (direct cost)	22,595	sf	\$	9.28	-	209,569	
	22,595	51	Ą	3.20			
OTAL PROJECT COSTS (2018\$)					\$	12,083,000	\$ 15,652,000

Construction Cost Summary

				-	onstruction		
				Cost			roject Cost
	Area	Unit	Unit Cost		Total	25%	(x 1.33)
12. Safety and Security				\$	759,000	\$	1,010,000
Repair concrete pedestrian paving	4,290	sf	\$ 11.66	\$	50,021		
New covered walkways	400	sf	\$ 106.00				
Decorative metal fencing and gates	825	lf	\$ 296.80	\$	244,860		
Rolling decorative metal gate	1	ea	\$ 47,700.00	\$	47,700		
New exterior lighting for student safety	1	ls	\$ 80,000.00	\$	80,000		
New safety locks to existing classroom doors	26	ea	\$ 1,351.50	\$	35,139		
New emergency signs and posts	1	ls	\$ 38,160.00	\$	38,160		
New marquee sign	1	ea	\$ 21,200.00	\$	21,200		
Low voltage upgrades							
Fire alarm system	22,595	sf	\$ 6.36				
New fire alarm head end equipment, allowance	1	ls	\$ 26,500.00				
Emergency lighting	22,595	sf	\$ 1.70	\$	38,321		
PA / emergency communication systems	22,595	sf	\$ 9.01	\$	203,581		
Intrusion alarms	22,595	sf	\$ 2.12		Excluded		
Other security systems	22,595	sf	\$ 2.54		Excluded	cameras	
13. Bike / Car Parking & Drop-off				\$	1,011,000	\$	1,345,000
New parking lot	23,300	sf	\$ 19.08	\$	444,564		
New drop-off area	9,250	sf	\$ 21.20	\$	196,100		
New access road	3,500	sf	\$ 19.19	\$	67,151		
New concrete pedestrian paving	2,500	sf	\$ 19.08	\$	47,700		
Entry plaza upgrades	3,600	sf	\$ 30.74	\$	110,664		
Bike parking incl. fencing and gates, AC paving and bike racks	6,900	sf	\$ 20.87	\$	144,003		
14. Outdoor Learning Courts, Quads & Gardens				\$		s	
New learning courts	22,400	sf	\$ 23.43			•	
New student garden	5.000	sf	\$ 21.20				

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Fairfield ES

Masterplan Estimate

Construction Cost Summary

					Cost	onstruction Sub-	Total D	oioot Cor
	Area	Unit		Unit Cost	CUST	Total		oject Cos (x 1.33)
. Modernize / Reconfigure Existing Classrooms					\$	_	s	_
Existing classrooms (MEP scope covered in Section C)					•		•	
Walls								
Repair existing walls	2.520	sf	\$	5.30				
Windows	2,020	31	Ψ	0.00				
Replace existing windows	2,520	sf	\$	23.85				
Doors	2,020	0.	•	20.00				
Repair existing doors	2.520	sf	\$	5.30				
Floors	-,	-	*					
Replace existing floors	2,520	sf	\$	17.49				
Ceilings		-	•					
Replace existing ceilings	2,520	sf	\$	26.50				
Exteriors	-,		*					
Patch, repair and paint	2.520	sf	\$	5.30				
Roofing	**							
Replace roofing	2,970	sf	\$	26.50				
ADA upgrades, allowance	2.970	sf	\$	3.00				
. Existing Building Systems, Tollets and Improved E	nergy Emiciend	y			\$	36,000	\$	48,00
Restroom upgrades	-		e	265.00	•			,
Restroom upgrades Reconfigure	75	s y sf	\$	265.00	•	36,000 19,875		,
Restroom upgrades Reconfigure Building systems	75	sf			•			,
Restroom upgrades Reconfigure Building systems HVAC upgrades	75 2,970	sf sf	\$	33.92	•			
Restroom upgrades Reconfigure Building systems HVAC upgrades EMS systems upgrades	75 2,970 2,970	sf sf sf	\$	33.92 7.95	•			
Reconfigure Building systems HVAC upgrades EMS systems upgrades Lighting and controls upgrades	75 2,970 2,970 2,970	sf sf sf sf	\$ \$	33.92 7.95 21.20	•			
Restroom upgrades Reconfigure Building systems HVAC upgrades EMS systems upgrades Lighting and controls upgrades Convenience power upgrades	75 2,970 2,970 2,970 2,970	sf sf sf sf	\$ \$ \$	33.92 7.95 21.20 6.89	\$	19,875		
Restroom upgrades Reconfigure Building systems HVAC upgrades EMS systems upgrades Lighting and controls upgrades	75 2,970 2,970 2,970	sf sf sf sf	\$ \$	33.92 7.95 21.20	\$			
Restroom upgrades Reconfigure Building systems HVAC upgrades EMS systems upgrades Lighting and controls upgrades Convenience power upgrades Replace drinking fountains with ADA fountains including	75 2,970 2,970 2,970 2,970	sf sf sf sf	\$ \$ \$	33.92 7.95 21.20 6.89	\$	19,875		
Restroom upgrades Reconfigure Building systems HVAC upgrades EMS systems upgrades Lighting and controls upgrades Convenience power upgrades Replace drinking fountains with ADA fountains including bottle filler Site Utilities & Infrastructure	75 2,970 2,970 2,970 2,970	sf sf sf sf	\$ \$ \$	33.92 7.95 21.20 6.89	\$	19,875	gender ne	48,00 eutral restro
Restroom upgrades Reconfigure Building systems HVAC upgrades EMS systems upgrades Lighting and controls upgrades Convenience power upgrades Replace drinking fountains with ADA fountains including bottle filler	75 2,970 2,970 2,970 2,970	sf sf sf sf	\$ \$ \$	33.92 7.95 21.20 6.89	\$	19,875	gender ne	
Restroom upgrades Reconfigure Building systems HVAC upgrades EMS systems upgrades Lighting and controls upgrades Convenience power upgrades Replace drinking fountains with ADA fountains including bottle filler Site Utilities & Infrastructure	75 2,970 2,970 2,970 2,970	sf sf sf sf	\$ \$ \$	33.92 7.95 21.20 6.89	\$	19,875	gender ne	
Restroom upgrades Reconfigure Building systems HVAC upgrades EMS systems upgrades Lighting and controls upgrades Convenience power upgrades Replace drinking fountains with ADA fountains including bottle filler Site Utilities & Infrastructure No scope in this category	75 2,970 2,970 2,970 2,970	sf sf sf sf	\$ \$ \$	33.92 7.95 21.20 6.89	\$	19,875	gender ne	·
Restroom upgrades Reconfigure Building systems HVAC upgrades EMS systems upgrades Lighting and controls upgrades Convenience power upgrades Replace drinking fountains with ADA fountains including bottle filler Site Utilities & Infrastructure No scope in this category New Construction (Classrooms)	75 2,970 2,970 2,970 2,970	sf sf sf sf	\$ \$ \$	33.92 7.95 21.20 6.89	\$	19,875	gender ne	eutral restri
Restroom upgrades Reconfigure Building systems HVAC upgrades EMS systems upgrades Lighting and controls upgrades Convenience power upgrades Replace drinking fountains with ADA fountains including bottle filler Site Utilities & Infrastructure No scope in this category New Construction (Classrooms) Student collaboration lab	75 2,970 2,970 2,970 2,970 3	sf sf sf sf sf ea	\$ \$ \$ \$	33.92 7.95 21.20 6.89 5,088.00	\$	19,875	gender ne	eutral restri
Restroom upgrades Reconfigure Building systems HVAC upgrades EMS systems upgrades Lighting and controls upgrades Convenience power upgrades Replace drinking fountains with ADA fountains including bottle filler Site Utilities & Infrastructure No scope in this category New Construction (Classrooms) Student collaboration lab Classrooms, one story building	75 2,970 2,970 2,970 2,970 3	sf sf sf sf sf ea	\$ \$ \$ \$ \$	33.92 7.95 21.20 6.89 5,088.00	\$	19,875	gender ne	eutral restro

Construction Cost Summary

				Cost	onstruction Sub-	Total Pr	oject Cos
	Area	Unit	Unit Cost		Total	25% (x 1.33)
6. JrHS/HS Electives Improvements				\$		\$	_
No scope in this category				•			
7. Music, Drama & Performing Arts Improvements				\$	-	\$	-
No scope in this category							
8. MPR, Student Union & Food Service Improvements				\$	229,000	\$	305,0
Food service							
Reconfigure	225	sf	\$ 418.70	\$	94,208		
New kitchen equipment, allowance	225	sf	\$ 79.50	\$	17,888		
New trash enclosure	1	ea	\$ 53,000.00	\$	53,000		
New lunch shelter	600	sf	\$ 106.00	\$	63,600		
9. Physical Education Improvements				\$	-	\$	-
Relocate PE storage shed	1	ea	\$ 4,452.00				
10. Staff and Community Support				\$		\$	
* **				Þ	•	*	-
No scope in this category							
11. Library & Student Support Services				\$	-	\$	-
Elementary school library and innovation lab							
Moderate modernization	225	sf	\$ 159.00				
12. Safety and Security				\$	132,000	\$	176,0
New covered walkways	350	sf	\$ 106.00	_			
Rolling decorative metal gate	1	ea	\$ 47,700.00	\$	47,700		
New exterior lighting for student safety	1	ls	\$.,	\$	15,000		
New safety locks to existing classroom doors	6	ea	\$ 1,351.50		8,109		
New emergency signs and posts	1	ls	\$ 7,632.00		7,632		
New marquee sign	1	ea	\$ 21,200.00	\$	21,200		
Low voltage upgrades	0.070		0.00				
Fire alarm system	2,970	sf	\$ 6.36				
New fire alarm head end equipment, allowance	1 2 0 7 0	ls	\$ 26,500.00		E 007		
Emergency lighting	2,970	sf	\$ 1.70 9.01		5,037		
PA / emergency communication systems	2,970	sf	\$	Þ	26,760		
Intrusion alarms	2,970	sf	\$ 2.12		Excluded		
Other security systems	2,970	sf	\$ 2.54		Excluded	cameras	
13. Bike / Car Parking & Drop-off				\$	_	\$	

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Construction Cost Summary

				Cos			Project Cost
	Area	Unit	Unit Cost		Total	25%	% (x 1.33)
14. Outdoor Learning Courts, Quads & Gardens				\$		\$	_
No scope in this category							
15. Exterior Play Spaces, Playfields & Hardcourts				\$		\$	-
Elementary play yard and hardcourts							
New rubber surfacing	2,200	sf	\$ 23.32				
Repair playfields	26,000	sf	\$ 0.80			repair ir	rigation
New fitness course	1	ea	\$ 79,500.00				
16. Next Generation Learning Furniture				\$	67,000	\$	67,000
Flexible furniture per classroom (direct cost)	2.5	ea	\$ 26,500.00	\$	66,250		
17. Technology Infrastructure & Equipment				\$	87,000	\$	87,000
Classroom tech package - smart boards, projector, project mounts, flat screen monitor, audio system, etc. (direct cost)	2.5	ea	\$ 12,720.00	\$	31,800		
Upgrade backbone, wireless access points, and switches (direct cost)	2.970	sf	\$ 9.28	\$	27.547		
Upgrade fiber to support (direct cost)	2,970	sf	\$ 9.28	\$	27,547		
TOTAL PROJECT COSTS (2018\$)				\$	550,000	\$	683,000

Korematsu ES Masterplan Estimate

Construction Cost Summary

	0.1.40.1011.00			,				
						onstruction		
	Area	Unit		Unit Cost	Cost	: Sub- Total		tal Project Cost 25% (x 1.33)
1. Modernize / Reconfigure Existing Classrooms					\$		s	
• •					Ŷ	-	ð	•
No scope in this category								
2. Existing Building Systems, Toilets and Improved En	ergy Efficiency	,			\$	36,000	\$	48,000
Restroom upgrades								
Reconfigure	75	sf	\$	265.00	\$	19,875	gen	der neutral restroc
Replace drinking fountains with ADA fountains including bottle filler	3	ea	\$	5,088.00	\$	15,264		
3. Site Utilities & Infrastructure					\$		\$	
No scope in this category								
4. New Construction (Classrooms)					\$	-	\$	-
Pre-school and kindergarten								
Relocate portable classrooms	2	ea	\$	29,680.00				
Classrooms, one story building	2.970	sf	\$	467.46				
Site improvements surrounding building pad	2,970	sf	\$	44.52				
Student collaboration lab								
Classrooms, one story building	1.056	sf	\$	466.40				
Site improvements surrounding building pad	1,056	sf	\$	44.52				
Elementary school								
Classrooms, one story building	2,112	sf	\$	478.06				
Site improvements surrounding building pad	2,112	sf	\$	44.52				
F. FL OTFM 8. LUGUIO 9							•	
5. Elementary STEM & JrHS/HS Science Programs					\$	-	\$	-
Elementary science and STEM labs	2.000		•	545.90				
Lab classrooms, one story building	3,696	sf	\$					
Site improvements surrounding building pad	3,696	sf	\$	44.52				
6. JrHS/HS Electives Improvements					\$	-	\$	-
No scope in this category								
7. Music, Drama & Performing Arts Improvements					\$		\$	_
No scope in this category							ľ	
			_					
8. MPR, Student Union & Food Service Improvements					\$	-	\$	-
No scope in this category								
9. Physical Education Improvements					\$	-	\$	_
No scope in this category					ų	•	۳	•
							l	

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Construction Cost Summary

						onstruction		
	Area	Unit		Unit Cost	Cost	: Sub- Total		roject Cost (x 1.33)
	Alea	UIIIL		Uliit Cost		Total	23/0	(X 1.33)
10. Staff and Community Support					\$	122,000	\$	163,000
Administration								
Reconfigure	450	sf	\$	270.30	\$	121,635		
11. Library & Student Support Services					\$	_	\$	
Elementary school library and innovation lab					•		*	
Reconfigure	1,225	sf	\$	143.10			mod. at 5	i0%
Learning center	1,220	٥.	٠				mod. at a	.070
Reconfigure	960	sf	\$	279.84				
12 Safah, and Sagurity					\$	555,000	\$	739,000
12. Safety and Security	700	16		000.00			P	739,000
Decorative metal fencing and gates	780	lf	\$	296.80		231,504		
Rolling decorative metal gate	3	ea	\$	47,700.00		143,100		
New exterior lighting for student safety	1	ls	\$	80,000.00	\$	80,000		
New safety locks to existing classroom doors	30	ea	\$	1,351.50		40,545		
New emergency signs and posts	1	ls	\$	38,160.00		38,160		
New marquee sign	1	ea	\$	21,200.00	\$	21,200		
Low voltage upgrades								
Intrusion alarms	30,125	sf	\$	2.12		Excluded		
Other security systems	30,125	sf	\$	2.54		Excluded	cameras	
13. Bike / Car Parking & Drop-off					\$	69,000	\$	92,000
Bike parking incl. fencing and gates, AC paving and bike rack	3.300	sf	\$	20.87	\$	68,871	*	,
Directioning and gates, the paring and bine task	0,000		Ť	20.01	<u> </u>	00,011		
14. Outdoor Learning Courts, Quads & Gardens					\$	-	\$	-
New student quad	8,400	sf	\$	27.56				
New learning courts	5,750	sf	\$	27.56				
New student amphitheater	4,800	sf	\$	47.70				
Shade structure	2,400	sf	\$	53.50				
15. Exterior Play Spaces, Playfields & Hardcourts					\$		\$	
Pre-school and kindergarten play yard							·	
New rubber surfacing	2.000	sf	\$	23.32				
Shade structure	1.200	sf	\$	53.00				
New hardcourts	4,000	sf	\$	12.72				
Elementary play yard and hardcourts	4,000	31	Ψ	12.12				
New rubber surfacing	8.400	sf	\$	23.32				
Resurface and repair hardcourts	64.600	sf	\$	6.36			repair not	
- подальное апто горин типообито	04,000	31	Ψ	5.50			recommer	

Korematsu ES Masterplan Estimate

Construction Cost Summary

				Co	nstruction	
	Area	Unit	Unit Cost	Cost	Sub- Total	Total Project Co 25% (x 1.33)
16. Next Generation Learning Furniture				\$		\$ -
Flexible furniture per classroom (direct cost)	24	ea	\$ 26,500.00			
17. Technology Infrastructure & Equipment Classroom tech package - smart boards, projector, project			40 700 00	\$	445,000	\$ 445,00
mounts, flat screen monitor, audio system, etc. (direct cost) Upgrade backbone, wireless access points, and switches	26	ea	\$ 12,720.00	Þ	165,360	at 50%
(direct cost)	30,125	sf	\$ 4.64	\$	139,705	all CR's at 50%
Upgrade fiber to support (direct cost)	30,125	sf	\$ 4.64	\$	139,705	all CR's at 50%
TOTAL PROJECT COSTS (2018\$)				\$	1,226,000	\$ 1,439,00

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SECTION 6



6/20/18

Construction Cost Summary

					onstruction		
	Area	Unit	Unit Cost	Cost	Sub- Total		Total Project Cost 25% (x 1.33)
	Alea	Onic	 Omit Gost	l	TOTAL		23 /0 (X 1.33)
1. Modernize / Reconfigure Existing Classrooms				\$	-	\$	-
No scope in this category							
2. Existing Building Systems, Toilets and Improved En	ergy Efficiency	'		\$	36,000	\$	48,00
Restroom upgrades							
Reconfigure	75	sf	\$ 265.00	\$	19,875	inclu	des gender neutral restro
Restroom, one story building	1,056	sf	\$ 662.50				
Site improvements surrounding building pad	1,056	sf	\$ 44.52				
Replace drinking fountains with ADA fountains including bottle filler	3	ea	\$ 5,088.00	\$	15,264		
bottle filler							
3. Site Utilities & Infrastructure				\$	-	\$	
No scope in this category							
4. New Construction (Classrooms)				\$		\$	-
Pre-school and kindergarten							
Classrooms, one story building	2,970	sf	\$ 467.46				
Site improvements surrounding building pad	2,970	sf	\$ 44.52				
Student collaboration lab							
Classrooms, one story building	1,056	sf	\$ 466.40				
Site improvements surrounding building pad	1,056	sf	\$ 44.52				
5. Elementary STEM & JrHS/HS Science Programs				\$	-	\$	
Elementary science and STEM labs							
Lab classrooms, one story building	3,300	sf	\$ 545.90				
Site improvements surrounding building pad	3,300	sf	\$ 44.52				
6. JrHS/HS Electives Improvements				\$		\$	
No scope in this category							
7. Music, Drama & Performing Arts Improvements				\$	-	\$	-
No scope in this category							
NDD Otedart Halian & Food Consider Inc.				•			
8. MPR, Student Union & Food Service Improvements				\$	•	\$	-
No scope in this category							
9. Physical Education Improvements				\$	_	\$	
•				Þ	•	Þ	•
No scope in this category						l	

Construction Cost Summary

					nstruction		
	Area	Unit	Unit Cost	Cost	Sub-		oject Cost x 1.33)
	700	0		_			
10. Staff and Community Support				\$	109,000	\$	145,000
Administration							
Reconfigure	400	sf	\$ 270.30	\$	108,120		
Staff work rooms							
Reconfigure	1,025	sf	\$ 135.15			mod. at 50%	
Parent resource center							
Reconfigure	200	sf	\$ 270.30				
11. Library & Student Support Services				\$		\$	
Learning center							
Classrooms, one story building	1,056	sf	\$ 466.40				
Site improvements surrounding building pad	1,056	sf	\$ 44.52				
12. Safety and Security				\$	505,000	\$	672,000
Decorative metal fencing and gates	610	lf	\$ 296.80	\$	181,048		
Rolling decorative metal gate	3	ea	\$ 47,700.00	\$	143,100		
New exterior lighting for student safety	1	ls	\$ 80,000.00	\$	80,000		
New safety locks to existing classroom doors	30	ea	\$ 1,351.50	\$	40,545		
New emergency signs and posts	1	ls	\$ 38,160.00	\$	38,160		
New marquee sign	1	ea	\$ 21,200.00	\$	21,200		
Low voltage upgrades							
Intrusion alarms	28,710	sf	\$ 2.12		Excluded		
Other security systems	28,710	sf	\$ 2.54		Excluded	cameras	
13. Bike / Car Parking & Drop-off				\$	43,000	\$	58,000
Bike parking incl. fencing and gates, AC paving and bike rack	2,025	sf	\$ 20.87	\$	42,262		
14. Outdoor Learning Courts, Quads & Gardens				\$		\$	
New student quad	8.425	sf	\$ 27.56	•		,	
New learning courts	8.300	sf	\$ 27.56				
New student amphitheater	4,800	sf	\$ 47.70				
Shade structure	2,400	sf	\$ 53.50				

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North Davis ES Masterplan Estimate

Construction Cost Summary

Construction Cost Summary

				-	onstruction	T. 15 . 10 .			
	Area	Unit	Unit Cost	Cost	t Su Total	o Total Proje 25% (x '			
15. Exterior Play Spaces, Playfields & Hardcourts				\$		\$			
Pre-school and kindergarten play yard						·			
New rubber surfacing	3,000	sf	\$ 23.32						
Play apparatus	1	ea	\$ 81,620.00						
Shade structure	1,200	sf	\$ 53.00						
Slurry and stripe existing hardcourts	4,500	sf	\$ 4.24						
Elementary play yard and hardcourts									
New rubber surfacing	5,400	sf	\$ 23.32						
Resurface and repair hardcourts	35,300	sf	\$ 6.36			repair not recomm			
						replacement is ide	·ui		
16. Next Generation Learning Furniture				\$		s			
Flexible furniture per classroom (direct cost)	28	ea	\$ 26,500.00	•		ľ			
17. Technology Infrastructure & Equipment				\$	445.000	s	445.00		
				•	,	ľ	,		
Classroom tech package - smart boards, projector, project									
mounts, flat screen monitor, audio system, etc. (direct cost)	28	ea	\$ 12,720.00	\$	178,08	at 50%			
Upgrade backbone, wireless access points, and switches									
(direct cost)	28,710	sf	\$ 4.64		133,14				
Upgrade fiber to support (direct cost)	28,710	sf	\$ 4.64	\$	133,14	all CR's at 50%			
TOTAL PROJECT COSTS (2018\$)				\$	1.136.000	\$	1.368.00		

						nstruct		
	Area	Unit		Unit Cost	Cost	Total	Sub	Total Project Cost 25% (x 1.33)
L	Alea	Ullit	<u> </u>	Offit Cost		TOtal		25 % (X 1.33)
Modernize / Reconfigure Existing Classrooms					\$		-	\$ -
Existing classrooms (MEP scope covered in Section C)								
Structural upgrades								
Slab settlement issue	7,680	sf	\$	20.00				1957 CR bldg
Roof / wall connections	12,480	sf	\$	15.90				
Walls								
Replace existing walls	2,880	sf	\$	21.20				
Repair existing walls	9,600	sf	\$	5.30				
Windows								
Replace existing windows	12,480	sf	\$	23.85				
Doors								
Replace existing doors	2,880	sf	\$	15.90				
Repair existing doors	9,600	sf	\$	5.30				
Floors								
Replace existing floors	12,480	sf	\$	17.49				
Ceilings								
Replace existing ceilings	12.480	sf	s	26.50				
Exteriors								
								Paint trim and seal
Patch, repair and paint	12,480	sf	\$	5.30				concrete
ADA upgrades, allowance	12,480	sf	\$	3.00				
Colodian Buildian Contant Tallets and Incomed Contant	T#:-!				s	20	5.000	\$ 48.000
2. Existing Building Systems, Toilets and Improved Energy Restroom upgrades	Efficiency				ð	30	,,,,,,,	\$ 40,000
Minor modernization	1,050	sf	s	66.25				
Reconfigure	75	sf	S	265.00	s	1	9.875	gender neutral restroo
Building systems		0.	•	200.00	*		0,0.0	gondo: nodudi rocuo
EMS systems upgrades	19,290	sf	s	7.95				
Lighting and controls upgrades	19,290	sf	S	10.60				mod. at 50%
Convenience power upgrades	19,290	sf	S	6.89				mod. at 50 /6
Replace drinking fountains with ADA fountains including bottle fills	19,230	ea	S	5.088.00	¢	1	5.264	
Replace unitking fourtains with ADA fourtains including bottle link		ca	Ÿ	3,000.00	Ψ	- 1	J,204	
S. Site Utilities & Infrastructure					\$			\$ -
Based on entire campus area, upgrade existing utilities;								
Natural gas service	657,000	sf	\$	0.11				mod. at 25%
Sanitary sewer service	657,000	sf	\$	0.21				mod. at 25%
Domestic and fire water service	657,000	sf	\$	0.27				mod. at 25%
Electrical mains and distribution	657,000	sf	\$	0.53				mod. at 25%
Storm drain service	657,000	sf	s	0.27				mod. at 25%
Electrical capacity upgrades	1	ls	ŝ	291.500.00				

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Construction Cost Summary

			Co	onstruction		
			Cost		To	otal Project Cost
Unit		Unit Cost		Total	-	25% (x 1.33)
			\$	3,067,000	\$	4,080,000
ea	\$	12,720.00	\$	25,440		
sf	\$	467.46	\$	2,776,712		
sf	\$	44.52	\$	264,449		
sf	\$	514.10				
sf	\$	44.52				
ea	\$	12,720.00				
sf	\$	526.82				
sf	\$	44.52				
			\$	-	\$	-
			\$		\$	
			s	759,000	\$	1,010,000
			•		ľ	,,
sf	s	530.00	\$	699.600		
sf	s	44.52		58,766		
-	Ť					
			\$	6,858,000	\$	9,122,000
sf	\$	26.50	\$	67,840		
sf	\$	583.00	\$	4,889,913		
sf	\$	44.52	\$	373,412		
sf	\$	694.30	\$	1,145,595		
sf	\$	44.52	\$	73,458		
ea	\$	53,000.00	\$	53,000		
sf	\$	106.00		254,400		
			•	,	H	
			s		s	
			•		ľ	
				\$	\$ -	\$ -

North Davis ES Masterplan Estimate

Construction Cost Summary

						onstruction		
					Cost			oject Cos
	Area	Unit		Unit Cost		Total	25%	(x 1.33)
10. Staff and Community Support					\$	2,473,000	\$	3,290,00
Demolish existing buildings	1,612	sf	\$	26.50	\$	42,718		
Administration								
Admin, one story building	2,475	sf	\$	461.10	\$	1,141,223		
Site improvements surrounding building pad	2,475	sf	\$	44.52	\$	110,187		
Staff work rooms								
Admin, one story building	990	sf	\$	461.10	\$	456,489		
Admin, two story building	1,277	sf	\$	508.80	\$	649,636		
Site improvements surrounding building pad	1,628	sf	\$	44.52	\$	72,496		
11. Library & Student Support Services					s	_	\$	
Elementary school library and innovation lab					•		*	
Reconfigure	3,840	sf	\$	286.20				
Learning center	0,010	0.	•	200.20				
Reconfigure	1,920	sf	\$	279.84				
Classrooms, two story building	1,277	sf	s	514.10			counseling	center
Site improvements surrounding building pad	638	sf	\$	44.52				
12. Safety and Security					\$	761,000	\$	1,013,00
New covered walkways	700	sf	\$	106.00				
Decorative metal fencing and gates	820	lf	\$	296.80	\$	243,376		
Rolling decorative metal gate	3	ea	\$	47,700.00	\$	143,100		
New exterior lighting for student safety	1	Is	\$	80,000.00	\$	80,000		
New safety locks to existing classroom doors	21	ea	\$	1,351.50	\$	28,382		
New emergency signs and posts	1	ls	\$	38,160.00	\$	38,160		
New marquee sign	1	ea	\$	21,200.00	\$	21,200		
Low voltage upgrades								
Fire alarm system	19,290	sf	\$	6.36				
New fire alarm head end equipment, allowance	1	ls	\$	26,500.00				
Emergency lighting	19,290	sf	\$	1.70		32,716		
PA / emergency communication systems	19,290	sf	\$	9.01	\$	173,803		
Intrusion alarms	19,290	sf	\$	2.12		Excluded		
Other security systems	19,290	sf	\$	2.54		Excluded	cameras	
13. Bike / Car Parking & Drop-off					s	799,000	\$	1,063,00
Slurry and stripe existing parking lot	9.250	sf	s	4.24	\$	39.220	l .	,,
New parking lot	16,425	sf	s		\$	313,389	l	
New drop-off area	11,625	sf	\$		\$	246,450	l	
New access road	3,500	sf	s	19.19		.,.==	l	
New concrete pedestrian paving	2,400	sf	s	19.08	\$	45.792	l	
Entry plaza upgrades	3,350	sf	s	30.74	\$	102,979	l	
Bike parking incl. fencing and gates, AC paving and bike racks	2.450	sf	s	20.87		51,132	l	

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Construction Cost Summary

					onstruction	
				Cost		tal Project Cost
	Area	Unit	Unit Cost		Total	25% (x 1.33)
14. Outdoor Learning Courts, Quads & Gardens				\$	-	\$
New learning courts	8,700	sf	\$ 27.56			
15. Exterior Play Spaces, Playfields & Hardcourts				\$	110,000	\$ 147,000
Pre-school and kindergarten play yard						
New rubber surfacing	800	sf	\$ 23.32	\$	18,656	
Shade structure	1,200	sf	\$ 53.00	\$	63,600	
Slurry and stripe existing hardcourts	6,400	sf	\$ 4.24	\$	27,136	
Elementary play yard and hardcourts						
New rubber surfacing	6,000	sf	\$ 23.32			
New hardcourts	12,250	sf	\$ 12.72			
New basketball courts and hoops	6	ea	\$ 5,830.00			
New ball walls	1	ea	\$ 10,600.00			
16. Next Generation Learning Furniture				\$	716,000	\$ 716,000
Flexible furniture per classroom (direct cost)	27	ea	\$ 26,500.00	\$	715,500	
17. Technology Infrastructure & Equipment				\$	702,000	\$ 702,000
Classroom tech package - smart boards, projector, project mounts, flat screen monitor, audio system, etc. (direct cost)	27	ea	\$ 12,720.00	\$	343,440	
Upgrade backbone, wireless access points, and switches (direct						
cost)	19,290	sf	\$ 	\$	178,915	
Upgrade fiber to support (direct cost)	19,290	sf	\$ 9.28	\$	178,915	
TOTAL PROJECT COSTS (2018\$)				\$	16,279,000	\$ 21,191,000

Patwin ES Masterplan Estimate

Construction Cost Summary

						onstruction	Tatal Basis (A
	Area	Unit		Unit Cost	Cost	Sub- Total	Total Project C 25% (x 1.33)
. Modernize / Reconfigure Existing Classrooms					s	984,000	\$ 1,309,0
Existing classrooms (MEP scope covered in Section C)					ð	904,000	\$ 1,309,0
Walls							
Replace existing walls	960	sf	\$	8.48	e	8.141	mod. at 40%
Repair existing walls	18.060	sf	\$	2.12		38.287	mod. at 40%
Windows	10,000	31	Ψ	2.12	Ψ	30,207	1110u. at 40 /6
Replace existing windows	19.020	sf	\$	21.47	¢	408.264	includes clerestory
Doors	19,020	31	Ψ	21.47	Ψ	400,204	includes delestory
Replace existing doors	960	sf	\$	6.36	\$	6,106	mod. at 40%
Repair existing doors	18.060	sf	\$	2.12		38.287	mod. at 40%
Floors	10,000	51	φ	2.12	ş	30,201	1110u. at 40 /6
Replace existing floors	19,020	sf	\$	7.00	¢	133.064	mod. at 40%
Ceilings	19,020	31	Ψ	7.00	Ψ	155,004	1110u. at 40 /0
Replace existing ceilings	19,020	sf	\$	10.60	¢	201,612	mod. at 40%
Exteriors	19,020	31	Ψ	10.00	Ψ	201,012	1110u. at 40 /0
Patch, repair and paint	19.020	sf	s	2.12	¢	40.322	mod. at 40%
Roofing	10,020	31	٠	2.12	٠	40,022	1110u. ut 4070
Patch and repair leaks, etc.	32,625	sf	\$	2.65	s	86,456	minor for HVAC in
ADA upgrades, allowance	19.020	sf	\$	1.20		22.824	mod. at 40%
7.D7. apgrados, dilonarios	10,020		•	1.20		22,021	11100: 00: 1070
Existing Building Systems, Toilets and Improved E	nergy Efficiency	,			\$	1,231,000	\$ 1,638,
Restroom upgrades	-						
Moderate modernization	2,200	sf	\$	53.00	\$	116,600	mod. at 40%
Reconfigure	75	sf	\$	265.00	S	19,875	gender neutral res
Building systems			·		·	.,.	5
HVAC upgrades	32.625	sf	s	13.57	s	442.656	mod. at 40%
Plumbing upgrades	32,625	sf	\$	5.09	\$	165,996	mod. at 40%
EMS systems upgrades	32,625	sf	\$	3.18		103,748	mod. at 40%
Lighting and controls upgrades	32,625	sf	\$	8.48	\$	276,660	mod. at 40%
Convenience power upgrades	32,625	sf	\$	2.76		89,915	mod. at 40%
Replace drinking fountains with ADA fountains including bottle filler	3	ea	\$	5,088.00		15,264	
Site Utilities & Infrastructure					s	_	\$
No scope in this category					Ψ	-	Ψ

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Patwin ES Masterplan Estimate

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Construction Cost Summary

						onstructi	on		
					Cost		Sub-	To	otal Project Co
	Area	Unit		Unit Cost		Total			25% (x 1.33)
4. New Construction (Classrooms)					\$			\$	
Pre-school and kindergarten									
Classrooms, one story building	2,970	sf	\$	467.46					
Site improvements surrounding building pad	2,970	sf	\$	44.52					
Student collaboration lab									
Classrooms, one story building	1,056	sf	\$	466.40					
Site improvements surrounding building pad	1,056	sf	\$	44.52					
Elementary school									
Remove portable classrooms	7	ea	\$	12,720.00					
Classrooms, one story building	5,280	sf	\$	478.06					
Site improvements surrounding building pad	5,280	sf	\$	44.52					
F. FI OTFM 0 LUO/UO O					•				
5. Elementary STEM & JrHS/HS Science Programs					\$		•	\$	•
Elementary science and STEM labs									
Moderate modernization	1,920	sf	\$	190.80					
No scope in this category 7. Music, Drama & Performing Arts Improvements					\$		-	\$	-
Music lab classroom									
Reconfigure	960	sf	\$	318.00				_	
8. MPR, Student Union & Food Service Improvements					s		_	\$	_
Multi-purpose rooms					•			۳	
Moderate modernization	5.000	sf	\$	185.50					
Food service	3,000	31	Ψ	100.50					
Moderate modernization	450	sf	\$	206.70					
New kitchen equipment, allowance	450	sf	\$	79.50					
New lunch shelter	2.400	sf	\$	106.00					
New Idition Sheller	2,400	31	Ψ	100.00					
9. Physical Education Improvements									
					\$		-	5	-
					\$		-	\$	-
No scope in this category					\$		-	\$	
					\$			\$	-
No scope in this category							-		-
No scope in this category 10. Staff and Community Support	1,575	sf	\$	143.10			-		-
No scope in this category 10. Staff and Community Support Administration	1,575	sf	\$	143.10			-		-

Construction Cost Summary

					nstructi	-	 	
	Area	Unit	Unit Cost	Cost	Total	Sub		oject Cos (x 1.33)
11. Library & Student Support Services				s			\$	
• • • • • • • • • • • • • • • • • • • •				÷		•	ľ	-
Elementary school library and innovation lab Minor modernization	2.500	sf	\$ 111.30					
	900		\$ 286.20					
Reconfigure		sf	482.30					
Lab classrooms, one story building	1,155	sf	\$					
Site improvements surrounding building pad Learning center	1,155	sf	\$ 44.52					
Classrooms, one story building	2.112	sf	\$ 466.40					
Site improvements surrounding building pad	2,112	sf	\$ 44.52					
42 Cafata and Cassaits					4 455			4 527 00
12. Safety and Security	4 000		40.00	\$	1,155		\$	1,537,00
New concrete pedestrian paving	1,000	sf	\$ 19.08			9,080		
Repair concrete pedestrian paving	2,200	sf	\$ 11.66			5,652		
Decorative metal fencing and gates	860	lf	\$ 296.80			5,248		
Rolling decorative metal gate	2	ea	\$ 47,700.00			5,400		
New exterior lighting for student safety	1	ls	\$ 80,000.00			0,000		
New safety locks to existing classroom doors	27	ea	\$ 1,351.50			6,491		
New emergency signs and posts	1	ls	\$ 38,160.00			8,160		
New marquee sign	1	ea	\$ 21,200.00	\$	2	1,200		
Low voltage upgrades								
Fire alarm system	32,625	sf	\$ 6.36	\$	207	7,495		
New fire alarm head end equipment, allowance	1	ls	\$ 26,500.00	\$	26	6,500		
Emergency lighting	32,625	sf	\$ 1.70	\$	58	5,332		
PA / emergency communication systems	32,625	sf	\$ 9.01	\$	293	3,951		
Intrusion alarms	32,625	sf	\$ 2.12		Excl	luded		
Other security systems	32,625	sf	\$ 2.54		Excl	luded	cameras	
13. Bike / Car Parking & Drop-off				\$	403	,000	\$	536,00
Slurry and stripe existing parking lot	17,800	sf	\$ 4.24	\$	75	5,472		,
New drop-off area	9,650	sf	\$ 21.20			4,580		
New concrete pedestrian paving	2,900	sf	\$ 19.08	\$		5,332		
Bike parking incl. fencing and gates, AC paving and bike racks	3,200	sf	\$ 20.87			6,784		
	.,			•		-		
14. Outdoor Learning Courts, Quads & Gardens				\$		-	\$	•
New student quad	8,500	sf	\$ 27.56					
New learning courts	7,200	sf	\$ 27.56					
New learning court under trees	3,500	sf	\$ 13.78				1	

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Construction Cost Summary

				(Construction	
				Cos		,
	Area	Unit	Unit Cost		Total	25% (x 1.33)
15. Exterior Play Spaces, Playfields & Hardcourts				\$	-	\$ -
Pre-school and kindergarten play yard						
New rubber surfacing	2,500	sf	\$ 23.32			
Shade structure	1,200	sf	\$ 53.00			
Elementary play yard and hardcourts						
New rubber surfacing	4,375	sf	\$ 23.32			
Resurface and repair hardcourts	8,000	sf	\$ 6.36			
Repair playfields	66,600	sf	\$ 3.18			
16. Next Generation Learning Furniture				\$	663,000	\$ 663,000
Flexible furniture per classroom (direct cost)	25	ea	\$ 26,500.00	\$	662,500	
17. Technology Infrastructure & Equipment				s	621,000	\$ 621,000
17. reciniology infrastructure & Equipment				Þ	021,000	\$ 621,000
Classroom tech package - smart boards, projector, project						
mounts, flat screen monitor, audio system, etc. (direct cost)	25	ea	\$ 12,720.00	\$	318,000	
Upgrade backbone, wireless access points, and switches						
(direct cost)	32,625	sf	\$ 4.64	\$	151,298	all CR's at 50%
Upgrade fiber to support (direct cost)	32,625	sf	\$ 4.64	\$	151,298	all CR's at 50%
TOTAL PROJECT COSTS (2018\$)				\$	5,056,000	\$ 6,304,000

Pioneer ES Masterplan Estimate

Construction Cost Summary

					Co	onstruction	
				11.21.01	Cost		
	Area	Unit		Unit Cost		Total	25% (x 1.33)
Modernize / Reconfigure Existing Classrooms					\$		s -
Existing classrooms (MEP scope covered in Section C)							
Structural upgrades							
Roof / wall connections	16.000	sf	\$	15.90			1974 buildings
Walls	.,		·				.
Replace existing walls	480	sf	\$	21.20			
Repair existing walls	19.780	sf	\$	5.30			
Windows	.,		·				
Replace existing windows	20.260	sf	\$	23.85			
Doors	.,		·				
Repair existing doors	20.260	sf	\$	5.30			
Floors		-	•	****			
Replace existing floors	20,260	sf	\$	17.49			
Ceilings		-	•				
Repair existing ceilings	20,260	sf	\$	13.25			
Exteriors	20,200	0.	•	10.20			
Patch, repair and paint	20,260	sf	\$	5.30			
ADA upgrades, allowance	20,260	sf	\$	3.00			
7 E 7 apgrados, anomanos	20,200		Ť	0.00			
2. Existing Building Systems, Toilets and Improved En							
	ierav Emiciency				\$	36.000	\$ 48,000
	iergy Efficiency				\$	36,000	\$ 48,000
Restroom upgrades			s	265.00	•	·	
Restroom upgrades Reconfigure	75	sf	\$	265.00	•	36,000 19,875	
Restroom upgrades Reconfigure Building systems	75	sf	·		•	·	
Restroom upgrades Reconfigure Building systems EMS systems upgrades	75 26,770	sf sf	\$	7.95	•	·	gender neutral restroc
Restroom upgrades Reconfigure Building systems EMS systems upgrades Lighting and controls upgrades	75 26,770 26,770	sf sf sf	\$	7.95 10.60	•	·	
Restroom upgrades Reconfigure Building systems EMS systems upgrades Lighting and controls upgrades Convenience power upgrades	75 26,770	sf sf	\$	7.95 10.60 6.89	\$	19,875	gender neutral restroo
Restroom upgrades Reconfigure Building systems EMS systems upgrades Lighting and controls upgrades	75 26,770 26,770 26,770	sf sf sf sf	\$ \$	7.95 10.60	\$	·	gender neutral restroo
Restroom upgrades Reconfigure Building systems EMS systems upgrades Lighting and controls upgrades Convenience power upgrades Replace drinking fountains with ADA fountains including	75 26,770 26,770 26,770	sf sf sf sf	\$ \$	7.95 10.60 6.89	\$	19,875	gender neutral restroc
Restroom upgrades Reconfigure Building systems EMS systems upgrades Lighting and controls upgrades Convenience power upgrades Replace drinking fountains with ADA fountains including bottle filler	75 26,770 26,770 26,770	sf sf sf sf	\$ \$	7.95 10.60 6.89	\$	19,875	gender neutral restroc
Restroom upgrades Reconfigure Building systems EMS systems upgrades Lighting and controls upgrades Convenience power upgrades Replace drinking fountains with ADA fountains including bottle filler	75 26,770 26,770 26,770	sf sf sf sf	\$ \$	7.95 10.60 6.89	\$	19,875	gender neutral restroo mod. at 50%
Restroom upgrades Reconfigure Building systems EMS systems upgrades Lighting and controls upgrades Convenience power upgrades Replace drinking fountains with ADA fountains including bottle filler 3. Site Utilities & Infrastructure Based on entire campus area, upgrade existing utilities;	75 26,770 26,770 26,770	sf sf sf sf	\$ \$	7.95 10.60 6.89	\$	19,875	gender neutral restroo mod. at 50%
Restroom upgrades Reconfigure Building systems EMS systems upgrades Lighting and controls upgrades Convenience power upgrades Replace drinking fountains with ADA fountains including bottle filler 3. Site Utilities & Infrastructure	75 26,770 26,770 26,770 3	sf sf sf sf ea	\$ \$ \$ \$	7.95 10.60 6.89 5,088.00	\$	19,875	gender neutral restroct mod. at 50%
Restroom upgrades Reconfigure Building systems EMS systems upgrades Lighting and controls upgrades Convenience power upgrades Replace drinking fountains with ADA fountains including bottle filler 3. Site Utilities & Infrastructure Based on entire campus area, upgrade existing utilities; Natural gas service	75 26,770 26,770 26,770 3	sf sf sf sf ea	\$ \$ \$ \$	7.95 10.60 6.89 5,088.00	\$	19,875	gender neutral restroot mod. at 50% \$ - mod. at 33%
Restroom upgrades Reconfigure Building systems EMS systems upgrades Lighting and controls upgrades Convenience power upgrades Replace drinking fountains with ADA fountains including bottle filler 3. Site Utilities & Infrastructure Based on entire campus area, upgrade existing utilities; Natural gas service	75 26,770 26,770 26,770 3 387,000 387,000	sf sf sf ea sf ea	\$ \$ \$ \$	7.95 10.60 6.89 5,088.00	\$	19,875	gender neutral restroo mod. at 50% \$ - mod. at 33% mod. at 33%
Restroom upgrades Reconfigure Building systems EMS systems upgrades Lighting and controls upgrades Convenience power upgrades Replace drinking fountains with ADA fountains including bottle filler 3. Site Utilities & Infrastructure Based on entire campus area, upgrade existing utilities; Natural gas service Sanitary sewer service Domestic and fire water service	75 26,770 26,770 26,770 3 387,000 387,000 387,000	sf sf sf ea sf ea	\$ \$ \$ \$	7.95 10.60 6.89 5,088.00 0.14 0.28 0.35	\$	19,875	gender neutral restroo mod. at 50% \$ - mod. at 33% mod. at 33% mod. at 33%

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Construction Cost Summary

	Area	Unit		Unit Cost	Cost	onstruction Sub- Total	tal Project Cos 25% (x 1.33)
4. New Construction (Classrooms)					\$	761,000	\$ 1,013,000
Pre-school and kindergarten							
Classrooms, one story building	1,485	sf	\$	467.46	\$	694,178	
Site improvements surrounding building pad	1,485	sf	\$	44.52	\$	66,112	
Student collaboration lab						-	
Classrooms, one story building	1,320	sf	\$	466.40			
Site improvements surrounding building pad	1,320	sf	\$	44.52			
Elementary school							
Remove portable classrooms	9	ea	\$	12,720.00			
Classrooms, one story building	6,336	sf	\$	478.06			
Site improvements surrounding building pad	6,336	sf	\$	44.52			
5. Elementary STEM & JrHS/HS Science Programs Elementary science and STEM labs					\$	-	\$ -
Lab classrooms, one story building	1,320	sf	\$	545.90			
Site improvements surrounding building pad	1.320	sf	\$	44.52			
o. Jrno/no Electives improvements					\$	-	\$ -
No scope in this category 7. Music, Drama & Performing Arts Improvements					\$	-	\$
No scope in this category Music, Drama & Performing Arts Improvements No scope in this category Music, Student Union & Food Service Improvements No scope in this category							- - -
No scope in this category 7. Music, Drama & Performing Arts Improvements No scope in this category 8. MPR, Student Union & Food Service Improvements No scope in this category 9. Physical Education Improvements					\$	-	\$
No scope in this category 7. Music, Drama & Performing Arts Improvements No scope in this category 8. MPR, Student Union & Food Service Improvements No scope in this category 9. Physical Education Improvements PE / fitness rooms	1.056	of.	s	478.06	\$	-	\$
No scope in this category 7. Music, Drama & Performing Arts Improvements No scope in this category 8. MPR, Student Union & Food Service Improvements No scope in this category 9. Physical Education Improvements PE / fitness rooms Classrooms, one story building	1,056	sf sf	\$ \$	478.06 44.52	\$	-	\$ -
No scope in this category 7. Music, Drama & Performing Arts Improvements No scope in this category 8. MPR, Student Union & Food Service Improvements No scope in this category 9. Physical Education Improvements PE / fitness rooms	1,056 1,056	sf sf	\$	478.06 44.52	\$	-	\$ -
No scope in this category 7. Music, Drama & Performing Arts Improvements No scope in this category 8. MPR, Student Union & Food Service Improvements No scope in this category 9. Physical Education Improvements PE / fitness rooms Classrooms, one story building					\$	-	\$
No scope in this category 7. Music, Drama & Performing Arts Improvements No scope in this category 8. MPR, Student Union & Food Service Improvements No scope in this category 9. Physical Education Improvements PE / fitness rooms Classrooms, one story building Site improvements surrounding building pad					\$ \$	-	\$
No scope in this category 7. Music, Drama & Performing Arts Improvements No scope in this category 8. MPR, Student Union & Food Service Improvements No scope in this category 9. Physical Education Improvements PE / fitness rooms Classrooms, one story building Site improvements surrounding building pad 10. Staff and Community Support					\$ \$	-	\$
No scope in this category 7. Music, Drama & Performing Arts Improvements No scope in this category 8. MPR, Student Union & Food Service Improvements No scope in this category 9. Physical Education Improvements PE / fitness rooms Classrooms, one story building Site improvements surrounding building pad 10. Staff and Community Support Administration	1,056	sf	\$	44.52	\$ \$	-	\$

Construction Cost Summary

					Construction			
	_				Cost			roject Cost
	Area	Unit		Unit Cost		Total	25%	(x 1.33)
11. Library & Student Support Services					\$		s	_
Elementary school library and innovation lab							·	
Moderate modernization	3,360	sf	s	159.00				
Learning center								
Moderate modernization	1,830	sf	\$	148.40				

12. Safety and Security					\$	901,000	\$	1,199,000
Decorative metal fencing and gates	995	lf	\$	296.80	\$	295,316		
Rolling decorative metal gate	3	ea	\$	47,700.00		143,100		
New exterior lighting for student safety	1	ls	\$	80,000.00	\$	80,000		
New safety locks to existing classroom doors	27	ea	\$	1,351.50	\$	36,491		
New emergency signs and posts	1	ls	\$	38,160.00	\$	38,160		
New marquee sign	1	ea	\$	21,200.00	\$	21,200		
Low voltage upgrades								
Fire alarm system	26,770	sf	\$	6.36				
New fire alarm head end equipment, allowance	1	ls	\$	26,500.00				
Emergency lighting	26,770	sf	\$	1.70	\$	45,402		
PA / emergency communication systems	26,770	sf	\$	9.01	\$	241,198		
Intrusion alarms	26,770	sf	\$	2.12		Excluded		
Other security systems	26,770	sf	\$	2.54		Excluded	cameras	
13. Bike / Car Parking & Drop-off					\$	203,000	s	270.000
• •	8.400		s	19.08		160.272	•	270,000
New parking lot Bike parking incl. fencing and gates, AC paving and bike racks	-,	sf sf	\$	20.87		41,740		
Dire paining incl. lettering and gates, AC paving and bire racks	2,000	31	۳	20.01	Ψ	41,740		
14. Outdoor Learning Courts, Quads & Gardens					\$	294,000	\$	392,000
New student quad	11,200	sf	\$	26.18	\$	293,238		
New learning courts	15,300	sf	\$	24.80				
New student garden	3,750	sf	\$	14.84			upgrades	s to existing
15. Exterior Play Spaces, Playfields & Hardcourts					\$		s	_
Pre-school and kindergarten play yard					Ψ	•	*	-
• • • • • • • • • • • • • • • • • • • •	2.500		s	23.32				
New rubber surfacing Shade structure	2,500	sf sf	\$	53.00				
	1,200	SI	à	53.00				
Elementary play yard and hardcourts	0.000			00.00				
New rubber surfacing	2,800	sf	\$	23.32				
Play apparatus	1	ea	\$	81,620.00				
Repair playfields	103,325	sf	\$	1.59			minor	

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Construction Cost Summary

	Area	Unit	Unit Cost	Cost	onstruction Sub- Total	tal Project Cost 25% (x 1.33)
16. Next Generation Learning Furniture Flexible furniture per classroom (direct cost)	28	ea	\$ 26,500.00	\$	742,000 742,000	\$ 742,000
17. Technology Infrastructure & Equipment				\$	853,000	\$ 853,000
Classroom tech package - smart boards, projector, project mounts, flat screen monitor, audio system, etc. (direct cost) Upgrade backbone, wireless access points, and switches	28	ea	\$ 12,720.00	\$	356,160	
(direct cost) Upgrade fiber to support (direct cost)	26,770 26,770	sf sf	\$ 9.28 9.28		248,292 248,292	
TOTAL PROJECT COSTS (2018\$)				\$	3,789,000	\$ 4,517,000

Willett ES Masterplan Estimate

Con

onstruction	Cost	Summary			
			Construct	ion	
			Cost	Sub-	Total Project Cost
Area	Unit	Unit Cost	Total		25% (x 1.33)

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						struction		
					Cost	Sub		
	Area	Unit		Unit Cost		Total	25% (x 1.33)	
Modernize / Reconfigure Existing Classrooms					s		s -	
Existing classrooms (MEP scope covered in Section C)					*		Ť	
Walls								
Replace existing walls	4.200	sf	\$	21.20				
Repair existing walls	14.720	sf	\$	5.30				
Windows	,. 20	0.	Ť	0.00				
Replace existing windows	18.920	sf	\$	23.85				
Doors	10,020	0.	Ť	20.00				
Replace existing doors	4,200	sf	\$	15.90				
Repair existing doors	14,720	sf	\$	5.30				
Floors	,	-	•					
Replace existing floors	18.920	sf	\$	17.49				
Ceilings	10,520	31	Ψ	11.45				
Repair existing ceilings	18.920	sf	\$	13.25				
Exteriors	10,520	31	Ψ	10.20				
Patch, repair and paint	18,920	sf	\$	5.30				
ADA upgrades, allowance	18,920	sf	\$	3.00				
Existing Building Systems, Toilets and Improved E Restroom upgrades	nergy Efficiency	'			\$	36,000	\$ 48,000	
Moderate modernization	525	sf	\$	132.50				
Reconfigure	75	sf	\$	265.00	s	19,875	includes gender neutral restroo	
Building systems		-	•		*	,		
EMS systems upgrades	28,830	sf	\$	7.95				
Lighting and controls upgrades	28,830	sf	\$	10.60			mod. at 50%	
Convenience power upgrades	28.830	sf	\$	6.89				
Replace drinking fountains with ADA fountains including bottle filler	3	ea	\$	5,088.00	\$	15,264		
3. Site Utilities & Infrastructure					s		s -	
Based on entire campus area, upgrade existing utilities;					7	-	•	
Natural gas service	346.000	sf	\$	0.14			mod. at 33%	
Sanitary sewer service	,	sf	\$	0.14			mod. at 33%	
							IIIOU. at 33 /6	
	346,000						mod at 33%	
Domestic and fire water service	346,000	sf	\$	0.35			mod. at 33%	
Domestic and fire water service Electrical mains and distribution	346,000 346,000	sf sf	\$	0.35 0.70			mod. at 33%	
Domestic and fire water service	346,000	sf	\$	0.35				

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SECTION 6

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Willett ES Masterplan Estimate

6/20/18 **Construction Cost Summary**

Construction Cost Summary

						Construction		
	Area	Unit		Unit Cost	Cost	Sub Total	1	Total Project Cost 25% (x 1.33)
I. New Construction (Classrooms)					s		\$	_
Student collaboration lab					•		ľ	
Classrooms, two story building	1.277	sf	\$	514.10				
Site improvements surrounding building pad	638	sf	\$	44.52				
Elementary school								
Remove portable classrooms	8	ea	\$	12,720.00				
Classrooms, two story building	12.768	sf	\$	526.82				
Site improvements surrounding building pad	6,384	sf	\$	44.52				
5. Elementary STEM & JrHS/HS Science Programs					s	_	s	_
Remove portable classrooms	2	ea	\$	12.720.00	•		ľ	
Elementary science and STEM labs	-	cu	۳	12,720.00				
Reconfigure	3.360	sf	\$	318.00				
7. Music, Drama & Performing Arts Improvements					\$	759,000	\$	1,010,0
Music lab classroom								
Lab classrooms, one story building	1,320	sf	\$	530.00	\$	699,600		
Site improvements surrounding building pad	1,320	sf	\$	44.52	\$	58,766	-	
3. MPR, Student Union & Food Service Improvements					\$	6,790,000	\$	9,031,0
Multi-purpose rooms								
MPR, one story building	8,388	sf	\$	583.00		4,889,913		
Site improvements surrounding building pad	8,388	sf	\$	44.52	\$	373,412		
Food service								
Food service, one story building	1,650	sf	\$	694.30		1,145,595		
Site improvements surrounding building pad	1,650	sf	\$	44.52		73,458		
New trash enclosure	1	ea	\$	53,000.00		53,000		
New lunch shelter	2,400	sf	\$	106.00	\$	254,400	-	
Physical Education Improvements					\$		s	
9. Physical Education Improvements No scope in this category					Þ	-	Þ	

						onstruction	
	Area	Unit		Unit Cost	Cost	Sub- Total	Total Project Cost 25% (x 1.33)
10. Staff and Community Support					\$	2,342,000	\$ 3,115,00
Administration							
Reconfigure	450	sf	\$	270.30		121,635	
Admin, one story building	2,860	sf	\$	461.10		1,318,746	
Admin, two story building	200	sf	\$	508.80		101,506	
Site improvements surrounding building pad	2,960	sf	\$	44.52	\$	131,768	
Staff work rooms							
Admin, one story building	1,320	sf	\$	461.10	\$	608,652	
Site improvements surrounding building pad	1,320	sf	\$	44.52	\$	58,766	
11. Library & Student Support Services					\$	1,368,000	\$ 1,820,00
Elementary school library and innovation lab							
Reconfigure	4,000	sf	\$	286.20	\$	1,144,800	
Learning center							
Moderate modernization	1,500	sf	\$	148.40	\$	222,600	
Classrooms, two story building	1,277	sf	\$	514.10			
Site improvements surrounding building pad	638	sf	\$	44.52			
2. Safety and Security					\$	1,207,000	\$ 1,606,00
Repair concrete pedestrian paving	5,700	sf	\$	11.66	\$	66,462	
Chain link fencing and gates	520	lf	\$	143.10	\$	74,412	backs up to highway
Decorative metal fencing and gates	755	lf	\$	296.80	\$	224,084	
Rolling decorative metal gate	3	ea	\$	47,700.00	\$	143,100	
New exterior lighting for student safety	1	ls	\$	80,000.00	\$	80,000	
New safety locks to existing classroom doors	30	ea	\$	1,351.50	\$	40,545	
New emergency signs and posts	1	ls	\$	38,160.00	\$	38,160	
New marquee sign	1	ea	\$	21,200.00	\$	21,200	
Low voltage upgrades							
Fire alarm system	28,830	sf	\$	6.36	\$	183,359	
New fire alarm head end equipment, allowance	1	Is	\$	26,500.00	\$	26,500	
Emergency lighting	28,830	sf	\$	1.70	\$	48,896	
PA / emergency communication systems	28,830	sf	\$	9.01	\$	259,758	
Intrusion alarms	28,830	sf	\$	2.12		Excluded	
Other security systems	28,830	sf	\$	2.54		Excluded	cameras
13. Bike / Car Parking & Drop-off	0.000	,	•	40.00	\$	591,000	\$ 787,00
New parking lot	9,000	sf	\$	19.08		171,720	
New access road	6,750	sf	\$	19.19		129,506	
New concrete pedestrian paving	1,500	sf	\$		\$	28,620	
Entry plaza upgrades	3,250	sf	\$	30.74		99,905	
Bike parking incl. fencing and gates, AC paving and bike rack	7,700	sf	\$	20.87	\$	160,699	

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Construction Cost Summary

					-	onstruction		
	Area	Unit		Unit Cost	Cost	t Sub Total	1	Total Project Cost
	Area	Unit		Unit Cost		TOTAL	┢	25% (x 1.33)
14. Outdoor Learning Courts, Quads & Gardens					\$		\$	-
New student quad	8,800	sf	\$	27.56				
New learning courts	10,550	sf	\$	27.56				
15. Exterior Play Spaces, Playfields & Hardcourts					\$		\$	
Pre-school and kindergarten play yard								
New rubber surfacing	2,000	sf	\$	23.32				
Play apparatus	1	ea	\$	81,620.00				
Shade structure	1,200	sf	\$	53.00				
New hardcourts	4,000	sf	\$	12.72				
Elementary play yard and hardcourts								
New rubber surfacing	9,600	sf	\$	23.32				
16. Next Generation Learning Furniture					\$	742,000	\$	742,000
Flexible furniture per classroom (direct cost)	28	ea	\$	26,500.00	\$	742,000		
17. Technology Infrastructure & Equipment					\$	891,000	\$	891.000
17. Technology infrastructure & Equipment					Þ	091,000	ð	091,000
Classroom tech package - smart boards, projector, project mounts, flat screen monitor, audio system, etc. (direct cost)	28	ea	\$	12,720.00	s	356,160		
Upgrade backbone, wireless access points, and switches	20	ou	•	12,720.00	•	000,100		
(direct cost)	28,830	sf	\$	9.28	\$	267,398		
Upgrade fiber to support (direct cost)	28,830	sf	\$	9.28	\$	267,398		
								<u> </u>
TOTAL PROJECT COSTS (2018\$)					\$	14,724,000	\$	19,050,000
							l	

Ralph Waldo Emerson Jr HS Masterplan Estimate

Construction Cost Summary

6/20/18

						nstruction	Tutal Park at Co.
	Area	Unit		Unit Cost	Cost	Sub- Total	Total Project Cost 25% (x 1.33)
	Alta	UIIIL		Unit Cost		IUlai	23 /6 (X 1.33)
I. Modernize / Reconfigure Existing Classrooms					\$	1,646,000	\$ 2,190,000
Existing classrooms (MEP scope covered in Section C)							
Walls							
Replace existing walls	3,825	sf	\$	21.20	\$	81,090	
Repair existing walls	12,480	sf	\$	5.30	\$	66,144	
Windows							
Replace existing windows	16,305	sf	\$	23.85	\$	388,874	
Doors							
Replace existing doors	3.825	sf	\$	15.90	s	60.818	
Repair existing doors	12,480	sf	\$	5.30	s	66,144	
Floors	12,100	•	•		*	,	
Replace existing floors	16,305	sf	\$	17.49	s	285.174	
Ceilings	,	•	•		*	,	
Replace existing ceilings	16.305	sf	\$	26.50	s	432.083	
Exteriors	10,000	31	٧	20.00	•	402,000	
Patch, repair and paint	16.305	sf	\$	5.30	\$	86.417	
Roofing	10,000	31	•	0.00	•	00,411	
Patch and repair leaks, etc.	70.205	sf	\$	1.86	\$	130.230	minor for HVAC
· · · · · · · · · · · · · · · · · · ·	.,					,	IIIIIIIII IOI IIVAC
ADA upgrades, allowance	16,305	sf	\$	3.00	\$	48,915	
2. Existing Building Systems, Toilets and Improved En	•		\$	3.00	\$	5,191,000	\$ 6,905,000
· · ·	•		\$	3.00	\$	·	\$ 6,905,000
2. Existing Building Systems, Toilets and Improved En Restroom upgrades	ergy Efficiency	,	<u>, </u>		\$	5,191,000	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Existing Building Systems, Toilets and Improved En Restroom upgrades Moderate modernization	ergy Efficiency	sf	\$	132.50	\$	5,191,000 536,625	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Existing Building Systems, Toilets and Improved En Restroom upgrades Moderate modernization Reconfigure	ergy Efficiency	sf	\$	132.50	\$ \$	5,191,000 536,625	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Existing Building Systems, Toilets and Improved En Restroom upgrades Moderate modernization Reconfigure Building systems	4,050	sf sf	\$	132.50 265.00	\$ \$ \$ \$	5,191,000 536,625 19,875	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
2. Existing Building Systems, Toilets and Improved En Restroom upgrades Moderate modernization Reconfigure Building systems HVAC upgrades	4,050 75	sf sf	\$ \$	132.50 265.00 33.92	\$ \$ \$ \$ \$ \$ \$ \$	5,191,000 536,625 19,875 2,381,354	gender neutral restroo
2. Existing Building Systems, Toilets and Improved En Restroom upgrades Moderate modernization Reconfigure Building systems HVAC upgrades Plumbing upgrades	4,050 75 70,205 70,205	sf sf sf	\$ \$ \$ \$	132.50 265.00 33.92 6.36	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,191,000 536,625 19,875 2,381,354 446,504	gender neutral restroo
2. Existing Building Systems, Toilets and Improved En Restroom upgrades Moderate modernization Reconfigure Building systems HVAC upgrades Plumbing upgrades EMS systems upgrades	4,050 75 70,205 70,205 70,205	sf sf sf sf	\$ \$ \$ \$ \$ \$	132.50 265.00 33.92 6.36 7.95	\$ \$ \$ \$ \$ \$ \$ \$	5,191,000 536,625 19,875 2,381,354 446,504 558,130	gender neutral restroo mod. at 50%
2. Existing Building Systems, Toilets and Improved En Restroom upgrades Moderate modernization Reconfigure Building systems HVAC upgrades Plumbing upgrades EMS systems upgrades Lighting and controls upgrades	4,050 75 70,205 70,205 70,205 70,205 70,205	sf sf sf sf sf sf	\$ \$ \$ \$ \$ \$ \$	132.50 265.00 33.92 6.36 7.95 10.60	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,191,000 536,625 19,875 2,381,354 446,504 558,130 744,173	gender neutral restroo mod. at 50%
2. Existing Building Systems, Toilets and Improved En Restroom upgrades Moderate modernization Reconfigure Building systems HVAC upgrades Plumbing upgrades EMS systems upgrades Lighting and controls upgrades Convenience power upgrades Replace drinking fountains with ADA fountains including bottle filler	4,050 75 70,205 70,205 70,205 70,205 70,205 70,205	sf sf sf sf sf sf	\$ \$ \$ \$ \$ \$ \$ \$	132.50 265.00 33.92 6.36 7.95 10.60 6.89	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,191,000 536,625 19,875 2,381,354 446,504 558,130 744,173 483,712	gender neutral restroo mod. at 50% mod. at 50%
2. Existing Building Systems, Toilets and Improved En Restroom upgrades Moderate modernization Reconfigure Building systems HVAC upgrades Plumbing upgrades EMS systems upgrades Lighting and controls upgrades Convenience power upgrades Replace drinking fountains with ADA fountains including bottle filler 3. Site Utilities & Infrastructure	4,050 75 70,205 70,205 70,205 70,205 70,205 70,205	sf sf sf sf sf sf	\$ \$ \$ \$ \$ \$ \$ \$	132.50 265.00 33.92 6.36 7.95 10.60 6.89	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,191,000 536,625 19,875 2,381,354 446,504 558,130 744,173 483,712 20,352	gender neutral restroo mod. at 50% mod. at 50%
2. Existing Building Systems, Toilets and Improved En Restroom upgrades Moderate modernization Reconfigure Building systems HVAC upgrades Plumbing upgrades EMS systems upgrades Lighting and controls upgrades Convenience power upgrades Replace drinking fountains with ADA fountains including bottle filler 3. Site Utilities & Infrastructure Based on entire campus area, upgrade existing utilities;	4,050 75 70,205 70,205 70,205 70,205 70,205 70,205 4	sf sf sf sf sf sf	\$ \$ \$ \$ \$ \$ \$ \$	132.50 265.00 33.92 6.36 7.95 10.60 6.89	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,191,000 536,625 19,875 2,381,354 446,504 558,130 744,173 483,712 20,352	gender neutral restroo mod. at 50% mod. at 50%
2. Existing Building Systems, Toilets and Improved En Restroom upgrades Moderate modernization Reconfigure Building systems HVAC upgrades Plumbing upgrades EMS systems upgrades Lighting and controls upgrades Convenience power upgrades Replace drinking fountains with ADA fountains including bottle filler 3. Site Utilities & Infrastructure Based on entire campus area, upgrade existing utilities; Natural gas service	4,050 75 70,205 70,205 70,205 70,205 70,205 70,205	sf	\$ \$ \$ \$ \$ \$ \$	132.50 265.00 33.92 6.36 7.95 10.60 6.89 5,088.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,191,000 536,625 19,875 2,381,354 446,504 558,130 744,173 483,712 20,352	gender neutral restroo mod. at 50% mod. at 50%
2. Existing Building Systems, Toilets and Improved En Restroom upgrades Moderate modernization Reconfigure Building systems HVAC upgrades Plumbing upgrades EMS systems upgrades Lughting and controls upgrades Convenience power upgrades Replace drinking fountains with ADA fountains including bottle filler 3. Site Utilities & Infrastructure Based on entire campus area, upgrade existing utilities;	4,050 75 70,205 70,205 70,205 70,205 70,205 4	sf s	\$ \$ \$ \$ \$ \$ \$ \$ \$	132.50 265.00 33.92 6.36 7.95 10.60 6.89 5,088.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,191,000 536,625 19,875 2,381,354 446,504 558,130 744,173 433,712 20,352 1,876,000	gender neutral restroo mod. at 50% mod. at 50%
2. Existing Building Systems, Toilets and Improved En Restroom upgrades Moderate modernization Reconfigure Building systems HVAC upgrades Plumbing upgrades EMS systems upgrades Lighting and controls upgrades Convenience power upgrades Replace drinking fountains with ADA fountains including bottle filler 3. Site Utilities & Infrastructure Based on entire campus area, upgrade existing utilities; Natural gas service	4,050 75 70,205 70,205 70,205 70,205 70,205 70,205 4 1,003,540 1,003,540 1,003,540	sf s	\$ \$ \$ \$ \$ \$ \$ \$ \$	132.50 265.00 33.92 6.36 7.95 10.60 6.89 5,088.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,191,000 536,625 19,875 2,381,354 446,504 558,130 744,173 483,712 20,352 1,876,000 140,415 280,831 351,038	gender neutral restroo mod. at 50% mod. at 50% \$ 2,496,000 mod. at 33% mod. at 33%
2. Existing Building Systems, Toilets and Improved En Restroom upgrades Moderate modernization Reconfigure Building systems HVAC upgrades Plumbing upgrades EMS systems upgrades Lighting and controls upgrades Convenience power upgrades Replace drinking fountains with ADA fountains including bottle filler 3. Site Utilities & Infrastructure Based on entire campus area, upgrade existing utilities; Natural gas service Sanitary sewer service Domestic and fire water service	4,050 75 70,205 70,205 70,205 70,205 70,205 70,205 4	sf s	\$ \$ \$ \$ \$ \$ \$ \$ \$	132.50 265.00 33.92 6.36 7.95 10.60 6.89 5,088.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5,191,000 536,625 19,875 2,381,354 446,504 558,130 744,173 483,712 20,352 1,876,000 140,415 280,831	gender neutral restrood mod. at 50% mod. at 50% mod. at 50% mod. at 33% mod. at 33% mod. at 33% mod. at 33%

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Construction Cost Summary

						onstruction		
					Cost			al Project Cost
	Area	Unit		Unit Cost		Total	2	5% (x 1.33)
4. New Construction (Classrooms)					s	_	\$	_
Middle school					*		•	
Remove portable classrooms	5	ea	\$	12,720.00				
		-	_	,				
5. Elementary STEM & JrHS/HS Science Programs					\$	3,321,000	\$	4,417,000
Remove portable classrooms	2	ea	\$	12,720.00	\$	25,440		
Middle science and STEM labs								
Moderate modernization	1,950	sf	\$	190.80	\$	372,060		
Lab classrooms, one story building	4,950	sf	\$	545.90	\$	2,702,205		
Site improvements surrounding building pad	4,950	sf	\$	44.52	\$	220,374		
6. JrHS/HS Electives Improvements					\$	1,110,000	\$	1,477,000
Elective classrooms								
Moderate modernization	6,975	sf	\$	159.00	\$	1,109,025		
7 M .:					•	444.000		504.00
7. Music, Drama & Performing Arts Improvements					\$	444,000	\$	591,000
Music lab classroom								
Moderate modernization	2,325	sf	\$	190.80	\$	443,610		
8. MPR, Student Union & Food Service Improvements					s	_	\$	_
Multi-purpose rooms					٠		,	
Moderate modernization	4.725	sf	\$	185.50				
Food service	4,720	31	۳	100.00				
Moderate modernization	1.400	sf	\$	206.70				
New trash enclosure	1,400	ea	\$	53,000.00				
New lunch shelter	3.600	sf	\$	106.00				
	-,,,,,		Ť					
9. Physical Education Improvements					\$	-	\$	-
PE / fitness rooms								
Classrooms, one story building	1,733	sf	\$	478.06				
Site improvements surrounding building pad	1,733	sf	\$	44.52				
Gymnasium								
Moderate modernization	11,475	sf	\$	164.30				
Locker rooms								
Moderate modernization	6,750	sf	\$	185.50				
Weight room								
Weight room, one story building	1,733	sf	\$	478.06				
Site improvements surrounding building pad	1,733	sf	\$	44.52				

Construction Cost Summary

					onstruction		
	Area	Unit	Unit Cost	Cost	Sub Total		oject Cos (x 1.33)
	Alcu	Onne	Oliit Goot	l	Total	2070	(x 1.00)
10. Staff and Community Support				\$	-	\$	-
Remove portable classrooms	2	ea	\$ 12,720.00				
Administration							
Moderate modernization	1,013	sf	\$ 143.10				
Admin, one story building	3,527	sf	\$ 461.10				
Site improvements surrounding building pad	3,527	sf	\$ 44.52				
Staff work rooms							
Moderate modernization	1,388	sf	\$ 143.10				
Reconfigure	2,850	sf	\$ 270.30				
Admin, one story building	787	sf	\$ 461.10				
Site improvements surrounding building pad	787	sf	\$ 44.52				
1. Library & Student Support Services				\$	-	\$	-
Middle school and high school library and innovation lab							
Reconfigure	6,000	sf	\$ 286.20				
Learning center							
Reconfigure	1,500	sf	\$ 279.84				
Student services							
Reconfigure	1,500	sf	\$ 270.30				
12. Safety and Security				\$	1,583,000	\$	2,106,00
New concrete pedestrian paving	1,300	sf	\$ 19.08		24,804		
Decorative metal fencing and gates	40	lf	\$ 296.80	\$	11,872		
Rolling decorative metal gate	1	ea	\$ 47,700.00	\$	47,700		
New exterior lighting for student safety	1	ls	\$ 160,000.00	\$	160,000		
New safety locks to existing classroom doors	40	ea	\$ 1,351.50	\$	54,060		
New emergency signs and posts	1	ls	\$ 38,160.00	\$	38,160		
New marquee sign	1	ea	\$ 21,200.00	\$	21,200		
Low voltage upgrades							
Fire alarm system	70,205	sf	\$ 6.36	\$	446,504		
New fire alarm head end equipment, allowance	1	ls	\$ 26,500.00	\$	26,500		
Emergency lighting	70,205	sf	\$ 1.70	\$	119,068		
PA / emergency communication systems	70,205	sf	\$ 9.01	\$	632,547		
Intrusion alarms	70,205	sf	\$ 2.12		Excluded		
Other security systems	70,205	sf	\$ 2.54		Excluded	cameras	
13. Bike / Car Parking & Drop-off				\$	82,000	\$	110,00
Entry plaza upgrades	3,375	sf	\$ 30.74				
Bike parking incl. fencing and gates, AC paving and bike racks	3,900	sf	\$ 20.87	\$	81,393		

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					Cos		T	otal Project Cos
	Area	Unit		Unit Cost		Total	_	25% (x 1.33)
14. Outdoor Learning Courts, Quads & Gardens					\$	-	\$	-
New learning courts	1,000	sf	\$	27.56				
New student garden	7,200	sf	\$	21.20				
15. Exterior Play Spaces, Playfields & Hardcourts					\$	-	\$	-
Play yard and hardcourts								
Resurface and repair hardcourts	24,000	sf	\$	6.36				
Repair playfields	360,000	sf	\$	1.59				
Repair bike path	10,000	sf	\$	10.00				
16. Next Generation Learning Furniture						663,000	\$	663,000
•	25			00 500 00	ą	662,500	φ	003,000
Flexible furniture per classroom (direct cost)	25	ea	\$	26,500.00	Þ	002,500		
17. Technology Infrastructure & Equipment					\$	1,621,000	\$	1,621,00
Classroom tech package - smart boards, projector, project mounts, flat screen monitor, audio system, etc. (direct cost)	25	ea	\$	12,720.00	\$	318,000		
Upgrade backbone, wireless access points, and switches			_					
(direct cost) Upgrade fiber to support (direct cost)	70,205	sf	\$	9.28	-	651,151		
Opgrade liber to support (direct cost)	70,205	sf	\$	9.28	\$	651,151		
TOTAL PROJECT COSTS (2018\$)					s	17.535.000	\$	22,576,00
101AL FROJECT CO313 (2010\$)					9	11,333,000	₽.	22,376,00

Construction Cost Summary

				-	onstruction		
		l		Cost			Project Cost
	Area	Unit	 Unit Cost		Total	25	% (x 1.33)
Modernize / Reconfigure Existing Classrooms				s		\$	_
No scope in this category				•	_	Ÿ	_
No scope in this category							
2. Existing Building Systems, Toilets and Improved Energ	v Efficiency			\$	40.227	\$	54.00
Restroom upgrades	,						
Reconfigure	75	sf	\$ 265.00	\$	19,875	gender	neutral restroo
Replace drinking fountains with ADA fountains including bottle fille	4	ea	\$ 5,088.00	\$	20,352		
-							
3. Site Utilities & Infrastructure				\$	-	\$	
No scope in this category							
4. New Construction (Classrooms)				\$	-	\$	-
Student collaboration lab							
Classrooms, one story building	2,112	sf	\$ 466.40				
Site improvements surrounding building pad	2,112	sf	\$ 44.52				
Middle school							
Remove portable classrooms	4	ea	\$ 12,720.00				
Classrooms, one story building	4,224	sf	\$ 478.06				
Site improvements surrounding building pad	4,224	sf	\$ 44.52				
5. Elementary STEM & JrHS/HS Science Programs				\$	-	\$	-
No scope in this category							
0.1110/110 51. (*				•			
6. JrHS/HS Electives Improvements				\$	-	\$	-
No scope in this category							
7 Maria Danna & Barfannian Anta Immana				s		\$	
7. Music, Drama & Performing Arts Improvements				•	•	Þ	•
No scope in this category							
8. MPR, Student Union & Food Service Improvements				s	_	\$	_
No scope in this category				•	-	Ψ	-
140 Scope III alis category							
9. Physical Education Improvements				s	_	\$	_
No scope in this category				*	•	¥	•
110 000po ili ullo odiogory							
10. Staff and Community Support				\$		\$	-
No scope in this category				•		ĺ	
11. Library & Student Support Services				\$		\$	-
No scope in this category							
						1	

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Oliver Wendell Holmes Jr HS Masterplan Estimate

6/20/18

Construction Cost Summary

						nstruction		
					Cost			roject Cost
	Area	Unit		Unit Cost		Total	25%	(x 1.33)
12. Safety and Security					\$	582,000	\$	775,00
Decorative metal fencing and gates	510	If	\$	296.80	\$	151,368		
Rolling decorative metal gate	3	ea	\$	47,700.00	\$	143,100		
New exterior lighting for student safety	1	ls	\$	160,000.00	\$	160,000		
New safety locks to existing classroom doors	50	ea	\$	1,351.50	\$	67,575		
New emergency signs and posts	1	ls	\$	38,160.00	\$	38,160		
New marquee sign	1	ea	\$	21,200.00	\$	21,200		
Low voltage upgrades								
Intrusion alarms	73,950	sf	\$	2.12		Excluded		
Other security systems	73,950	sf	\$	2.54		Excluded	cameras	
13. Bike / Car Parking & Drop-off					\$	68,000	\$	91,00
Bike parking incl. fencing and gates, AC paving and bike racks	10.706	sf	\$	6.26	\$	67.030		rk to existing
Bike parking inc. lending and gates, AC paving and bike racks	10,700	51	φ	0.20	ş	07,030	IIIIIIII WO	k to existing
14. Outdoor Learning Courts, Quads & Gardens					\$	-	\$	
New student quad	8,000	sf	\$	27.56				
New learning courts	5,500	sf	\$	27.56				
New student garden	2,500	sf	\$	21.20				
Shade structure	1,750	sf	\$	53.50				
15. Exterior Play Spaces, Playfields & Hardcourts					\$		\$	
					ş	•	Ÿ	
Play yard and hardcourts	70.000		•	404				
Slurry and stripe existing hardcourts	72,000	sf	\$	4.24				
Repair playfields	340,000	sf	\$	1.05			minor rep	air
16. Next Generation Learning Furniture					\$		\$	-
Flexible furniture per classroom (direct cost)	34	ea	\$	26,500.00				
17. Technology Infrastructure & Equipment					\$	903,000	\$	903,00
Classroom tech package - smart boards, projector, project mounts, flat screen monitor, audio system, etc. (direct cost)	34	ea	\$	12,720.00	\$	216,240	at 50%	
Upgrade backbone, wireless access points, and switches (direct								
cost)	73,950	sf	\$	4.64	\$	342,943	all CR's a	
Upgrade fiber to support (direct cost)	73,950	sf	\$	4.64	\$	342,943	all CR's a	t 50%
TOTAL PROJECT COSTS (2018\$)					\$	1,593,000	\$	1,823,00

Construction Cost Summary

_						nstruction	
	Area	Unit		Unit Cost	Cost	Sub- Total	Total Project Cost 25% (x 1.33)
	Area	Unit	_	UIIII COST	l	ıolai	20% (X 1.33)
1. Modernize / Reconfigure Existing Classrooms					\$		ş -
No scope in this category							
2. Existing Building Systems, Toilets and Improved Er	ergy Efficiency	/			\$	41,000	\$ 55,00
Restroom upgrades							
Reconfigure	75	sf	\$	265.00		19,875	includes gender neutral restri
Replace drinking fountains with ADA fountains including bottle filler	4	ea	\$	5,088.00	\$	20,352	
3. Site Utilities & Infrastructure					\$		\$ -
Based on entire campus area, upgrade existing utilities;							
Natural gas service	806,000	sf	\$	0.11			mod. at 25%
Sanitary sewer service	806,000	sf	\$	0.21			mod. at 25%
Domestic and fire water service	806,000	sf	\$	0.27			mod. at 25%
Electrical mains and distribution	806,000	sf	\$	0.53			mod. at 25%
Storm drain service	806,000	sf	\$	0.27			mod. at 25%
Electrical capacity upgrades	1	ls	\$	291,500.00			
4.11. 0							
New Construction (Classrooms) Middle school					\$	•	\$ -
Remove portable classrooms	7	ea	\$	12,720.00			
Classrooms, one story building	6,336	sf	\$	478.06			
Site improvements surrounding building pad	6,336	sf	\$	44.52			
5 51							
5. Elementary STEM & JrHS/HS Science Programs					\$	•	\$ -
No scope in this category							
6. JrHS/HS Electives Improvements					\$		\$ -
Elective classrooms							
Moderate modernization	7,075	sf	\$	159.00			
7. Music, Drama & Performing Arts Improvements					\$	•	\$ -
Music lab classroom	40:-	,	•	F00 00			
Lab classrooms, one story building	4,345	sf	\$	530.00			
Site improvements surrounding building pad	4,345	sf	\$	44.52			

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				Co	onstruction	
				Cost	Sub	 Total Project Cost
	Area	Unit	Unit Cost		Total	25% (x 1.33)
8. MPR, Student Union & Food Service Improvements				\$		s -
Multi-purpose rooms						
Moderate modernization	3,500	sf	\$ 185.50			
Reconfigure	1,750	sf	\$ 349.80			
MPR, one story building	1,925	sf	\$ 583.00			stage area
Site improvements surrounding building pad	1,925	sf	\$ 44.52			
Food service						
Moderate modernization	1,750	sf	\$ 206.70			
New kitchen equipment, allowance	1,750	sf	\$ 79.50			
New trash enclosure	1	ea	\$ 53,000.00			
New lunch shelter	1,200	sf	\$ 106.00			shade sails
9. Physical Education Improvements				\$	-	\$ -
No scope in this category						
10. Staff and Community Support				\$	-	\$ -
Staff work rooms						
Moderate modernization	1,050	sf	\$ 143.10			
Admin, one story building	660	sf	\$ 461.10			
Site improvements surrounding building pad	660	sf	\$ 44.52			
11. Library & Student Support Services				\$	•	\$ -
Student services						
Classrooms, one story building	2,332	sf	\$ 461.10			
Site improvements surrounding building pad	2,332	sf	\$ 44.52			
12. Safety and Security				\$	770,000	\$ 1,025,00
New concrete pedestrian paving	4,000	sf	\$ 19.08	\$	76,320	
Decorative metal fencing and gates	340	If	\$ 296.80	\$	100,912	
Rolling decorative metal gate	3	ea	\$ 47,700.00	\$	143,100	
New exterior lighting for student safety	1	ls	\$ 160,000.00	\$	160,000	
New safety locks to existing classroom doors	50	ea	\$ 1,351.50	\$	67,575	
New emergency signs and posts	1	ls	\$ 38,160.00	\$	38,160	
New marquee sign	1	ea	\$ 21,200.00	\$	21,200	
Low voltage upgrades						
Fire alarm system	15,125	sf	\$ 6.36			
New fire alarm head end equipment, allowance	1	ls	\$ 26,500.00			
Emergency lighting	15,125	sf	\$ 1.70	\$	25,652	
PA / emergency communication systems	15,125	sf	\$ 9.01	\$	136,276	
Intrusion alarms	15,125	sf	\$ 2.12		Excluded	
Other security systems	15.125	sf	\$ 2.54			cameras

Construction Cost Summary

					Construction			
		Unit		Unit Cost	Cost	Sub- Total		
	Area	Unit		Unit Cost		Iotai	25% (x 1	1.33)
13. Bike / Car Parking & Drop-off					\$	799,000	\$	1,063,00
Slurry and stripe existing parking lot	11,050	sf	\$	4.24	\$	46,852		
New parking lot	13,000	sf	\$	19.08	\$	248,040		
New drop-off area	10,000	sf	\$	21.20	\$	212,000		
Entry plaza upgrades	3,500	sf	\$	30.74	\$	107,590		
Bike parking incl. fencing and gates, AC paving and bike rack	8,800	sf	\$	20.87	\$	183,656		
14. Outdoor Learning Courts, Quads & Gardens					\$		s	
New student guad	19.200	sf	\$	20.67				
New learning courts	10.150	sf	\$	27.56				
New student garden	2.400	sf	\$	21.20				
	,							
15. Exterior Play Spaces, Playfields & Hardcourts					\$		\$	-
Play yard and hardcourts								
Shade structure	1,200	sf	\$	53.00				
Resurface and repair hardcourts	35,000	sf	\$	6.36				
Repair playfields	243,800	sf	\$	0.64			minor repair	
Baseball and softball fields								
New natural turf	24,200	sf	\$	5.83			new field @50%	
New field equipment including bases and mounds	1	ea	\$	25,440.00				
New backstop	1	ea	\$	29,150.00				
Track, field and stadium								
New decomposed granite track	32,000	sf	\$	4.77				
16. Next Generation Learning Furniture					s	928,000	s	928,0
Flexible furniture per classroom (direct cost)	35	ea	\$	26,500.00	s	927.500	ľ	,
(======================================			_			,		
17. Technology Infrastructure & Equipment					\$	963,000	\$	963,0
Classroom tech package - smart boards, projector, project								
mounts, flat screen monitor, audio system, etc. (direct cost)	35	ea	\$	12,720.00	\$	445,200		
Upgrade backbone, wireless access points, and switches								
(direct cost)	55,745	sf	\$	4.64	\$	258,517	all CR's @ 50%	
Upgrade fiber to support (direct cost)	55,745	sf	\$	4.64	\$	258,517	all CR's @ 50%	
TOTAL PROJECT COSTS (2018\$)					\$	3,500,000	\$	4,034,0

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Davis Senior HS Masterplan Estimate

6/20/18

Construction Cost Summary

	Area	Unit		Unit Cost	Cost	onstruction Sub- Total		al Project Cost 25% (x 1.33)
Modernize / Reconfigure Existing Classrooms					\$	_	s	_
No scope in this category					٠		Ť	
2. Existing Building Systems, Toilets and Improved E	nergy Efficien	су			\$	46,000	\$	62,000
Restroom upgrades								
Moderate modernization	875	sf	\$	132.50				
Reconfigure	75	sf	\$	265.00	\$	19,875	gend	er neutral restro
Restroom, one story building	625	sf	\$	662.50			at pla	ay fields
Site improvements surrounding building pad	625	sf	\$	44.52				
Replace drinking fountains with ADA fountains including bottle filler	5	ea	\$	5,088.00	\$	25,440		
3. Site Utilities & Infrastructure					\$		\$	
Based on entire campus area, upgrade existing utilities;								
Natural gas service	1,928,300	sf	\$	0.04			mod.	@ 10%
Sanitary sewer service	1,928,300	sf	\$	0.08			l	@ 10%
Domestic and fire water service	1,928,300	sf	\$	0.11			ı	@ 10%
Electrical mains and distribution	1,928,300	sf	\$	0.21			ı	@ 10%
Electrical capacity upgrades	1	ls	\$	583,000.00				
4. New Construction (Classrooms)					\$	_	s	-
Student collaboration lab								
Classrooms, two story building	5.586	sf	\$	514.10				
Site improvements surrounding building pad	2.793	sf	\$	44.52				
High school	-,	-	•					
Remove portable classrooms	20	ea	\$	12.720.00				
Demolish existing buildings	7.500	sf	\$	26.50				
Classrooms, two story building	28.090	sf	\$	526.82				
Site improvements surrounding building pad	14,045	sf	\$	44.52				
5. Elementary STEM & JrHS/HS Science Programs					\$	12,984,000	\$	17,269,000
Demolish existing buildings	22,300	sf	\$	26.50	\$	590,950		
High school science and STEM labs								
Lab classrooms, two story building	19,950	sf	\$	598.90	\$	11,948,055		
Site improvements surrounding building pad	9,975	sf	\$	44.52	\$	444,087		

Construction Cost Summary

						onstruction	
	Area	Unit		Unit Cost	Cost	Sub- Total	Total Project Cost 25% (x 1.33)
6. JrHS/HS Electives Improvements					\$	6,865,000	\$ 9,131,000
Elective classrooms							
Minor modernization	13,400	sf	\$	111.30			
Classrooms, one story building	1,650	sf	\$	478.06			
Classrooms, two story building	12,502	sf	\$	526.82	\$	6,586,304	
Site improvements surrounding building pad	6,251	sf	\$	44.52	\$	278,295	
7. Music, Drama & Performing Arts Improvements					\$	659,000	\$ 877,000
Dance and drama classrooms							
Minor modernization	3,200	sf	\$	111.30			
Structural upgrades	3,200	sf	\$	16.05			
Theatre							
Minor modernization	10,800	sf	\$	60.95	\$	658,260	
8. MPR, Student Union & Food Service Improvements	i				\$	•	\$ -
Food service							
Food service, one story building	300	sf	\$	694.30			
Site improvements surrounding building pad	300	sf	\$	44.52			
New lunch shelter	4,800	sf	\$	106.00			
9. Physical Education Improvements					\$	1,713,000	\$ 2,279,000
Remove portable classrooms	2	ea	\$	12,720.00			
PE / fitness rooms							
Classrooms, one story building	1,980	sf	\$	478.06			
Site improvements surrounding building pad	1,980	sf	\$	44.52			
Gymnasium							
Minor modernization	9,900	sf	\$	116.60			
Structural upgrades	9,900	sf	\$	16.05			
Gymnasium, one story building	3.000	sf	\$	471.70			lobby/conc./toilets
Site improvements surrounding building pad	3,000	sf	\$	44.52			,
Locker rooms							
Moderate modernization	9.600	sf	\$	185.50			
Structural upgrades	9,600	sf	\$	16.05			
Locker rooms, one story building	2,640	sf	\$	604.20	\$	1,595,088	aquatic center
Site improvements surrounding building pad	2,640	sf	\$	44.52		117.533	- 4
Weight room	_,510		•	. 1.02	•	,500	
Minor modernization	3,200	sf	s	111.30			
			-				
Structural upgrades	3,200	sf	\$	16.05			

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					-	onstruction	
				11-21-01	Cost		
	Area	Unit		Unit Cost		Total	25% (x 1.33)
10. Staff and Community Support					\$		s -
Demolish existing buildings	12,000	sf	\$	26.50			
Administration	,						
Admin, one story building	6,160	sf	\$	461.10			
Site improvements surrounding building pad	6,160	sf	\$	44.52			
Staff work rooms							
Admin, one story building	3,795	sf	\$	461.10			
Admin, two story building	2,660	sf	\$	508.80			
Site improvements surrounding building pad	5,125	sf	\$	44.52			
W. Liberto B. Ott. Joseph Co., 1945					•		
11. Library & Student Support Services				40 700 00	\$	-	\$ -
Remove portable classrooms	2	ea	\$	12,720.00			
Demolish existing buildings	5,340	sf	\$	26.50			
Student services			_				
Classrooms, one story building	9,680	sf	\$	461.10			
Classrooms, two story building Site improvements surrounding building pad	2,554 10.957	sf sf	\$	508.80 44.52			
12. Safety and Security					\$	2,259,000	\$ 3,005,00
Repair concrete pedestrian paving	2,000	sf	\$	11.66	•	23,320	back entry by gym
New covered walkways	700	sf	\$	106.00	Ψ	25,520	back entry by gym
Decorative metal fencing and gates	610	If	\$	296.80	¢	181,048	
Rolling decorative metal gate	3	ea	\$	47,700.00		143,100	
New exterior lighting for student safety	1	ls	\$	240,000.00		240,000	
New safety locks to existing classroom doors	130	ea	\$	1,351.50		175,695	
New emergency signs and posts	130	ls	\$	95,400.00		95,400	
New marquee sign	1	ea	\$	21,200.00		21,200	
Low voltage upgrades		ca	Ψ	21,200.00	Ψ	21,200	
Fire alarm system	128.775	sf	\$	6.36			
New fire alarm head end equipment, allowance	120,770	ls	\$	26.500.00			
Emergency lighting	128.775	sf	\$	1.70	\$	218,402	
PA / emergency communication systems	128,775	sf	\$	9.01		1,160,263	
Intrusion alarms	128,775	sf	\$	2.12	Ψ	Excluded	
Other security systems	128,775	sf	\$	2.54		Excluded	cameras
			-				
13. Bike / Car Parking & Drop-off					\$	162,000	\$ 216,00
Entry plaza upgrades	4,400	sf	\$	30.74			
Bike parking incl. fencing and gates, AC paving and bike rac	7,750	sf	\$	20.87	\$	161,743	

Construction Cost Summary

						Construction	
	A	Unit		Unit Cost	Cos	st Sub- Total	
	Area	Unit		Unit Cost		Total	25% (x 1.33)
14. Outdoor Learning Courts, Quads & Gardens					\$	-	\$ -
New student quad	28,000	sf	\$	23.43			
New learning courts	3,750	sf	\$	27.56			
Repair student quad	19,600	sf	\$	5.86			
New student garden	7,000	sf	\$	10.60			new at 50%
15. Exterior Play Spaces, Playfields & Hardcourts					\$	5,750,000	\$ 7,648,00
New aquatic center	1	ls	\$	5,750,000.00		5,750,000	1,010,00
New aquatic center		13	Ψ	3,730,000.00	Ψ	3,730,000	
16. Next Generation Learning Furniture					\$	2,120,000	\$ 2,120,00
Flexible furniture per classroom (direct cost)	80	ea	\$	26,500.00	\$	2,120,000	
17. Technology Infrastructure & Equipment					\$	2,211,988	\$ 2,212,00
Classroom tech package - smart boards, projector, project mounts, flat screen monitor, audio system, etc. (direct cost)	80	ea	\$	12,720.00	\$	1,017,600	
Upgrade backbone, wireless access points, and switches (direct cost)	128.775	sf	\$	4.64	s	597.194	all CR's @ 50%
Upgrade fiber to support (direct cost)	128,775	sf	\$	4.64	\$	597,194	all CR's @ 50%
TOTAL PROJECT COSTS (2018\$)					\$	34,769,000	\$ 44,819,00

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Da Vinci Charter Academy (JrHS & HS) Masterplan Estimate

6/20/18

Construction Cost Summary

					С	onstruction	
					Cost		
	Area	Unit		Unit Cost		Total	25% (x 1.33)
Modernize / Reconfigure Existing Classrooms					\$	-	s -
Existing classrooms (MEP scope covered in Section C)							
Walls							
Replace existing walls	960	sf	\$	21.20			
Repair existing walls	9,600	sf	\$	5.30			
Windows							
Replace existing windows	10,560	sf	\$	53.66			includes clerestory
Doors							,
Replace existing doors	960	sf	\$	15.90			
Repair existing doors	9,600	sf	\$	5.30			
Floors							
Replace existing floors	10,560	sf	\$	17.49			
Ceilings							
Replace existing ceilings	960	sf	\$	26.50			
Repair existing ceilings	9.600	sf	\$	13.25			
Exteriors							
Patch, repair and paint	10,560	sf	\$	5.30			
Refurbish covered walkways	4,320	sf	\$	35.00			
ADA upgrades, allowance	10,560	sf	\$	3.00			
2. Existing Building Systems, Toilets and Improved En	neray Efficiency				\$	41,000	\$ 55,00
Pastroom ungrades	icigy Emolency					,	\$ 55,00
Restroom upgrades Moderate modernization		ef	¢	132.50		,	\$ 55,00
Moderate modernization	950	sf	\$	132.50	•	·	
Moderate modernization Reconfigure	950 75	sf	\$	265.00	\$	19,875	
Moderate modernization Reconfigure Restroom, one story building	950 75 495	sf sf	\$	265.00 662.50	\$	·	
Moderate modernization Reconfigure Restroom, one story building Site improvements surrounding building pad	950 75	sf	\$	265.00	\$	·	
Moderate modernization Reconfigure Restroom, one story building Site improvements surrounding building pad Building systems	950 75 495 495	sf sf sf	\$ \$	265.00 662.50 44.52	\$	·	
Moderate modernization Reconfigure Restroom, one story building Site improvements surrounding building pad Building systems EMS systems upgrades	950 75 495 495 17,895	sf sf sf	\$ \$	265.00 662.50 44.52 7.95	\$	·	
Moderate modernization Reconfigure Restroom, one story building Siste improvements surrounding building pad Building systems EMS systems upgrades Lighting and controls upgrades	950 75 495 495 17,895 17,895	sf sf sf sf	\$ \$ \$	265.00 662.50 44.52 7.95 21.20	\$	·	
Moderate modernization Reconfigure Restroom, one story building Site improvements surrounding building pad Building systems EMS systems upgrades Lighting and controls upgrades Convenience power upgrades	950 75 495 495 17,895 17,895	sf sf sf sf	\$ \$ \$ \$	265.00 662.50 44.52 7.95 21.20 6.89		19,875	
Moderate modernization Reconfigure Restroom, one story building Siste improvements surrounding building pad Building systems EMS systems upgrades Lighting and controls upgrades	950 75 495 495 17,895 17,895	sf sf sf sf	\$ \$ \$	265.00 662.50 44.52 7.95 21.20		·	
Moderate modernization Reconfigure Restroom, one story building Site improvements surrounding building pad Building systems EMS systems upgrades Lighting and controls upgrades Convenience power upgrades Replace drinking fountains with ADA fountains including	950 75 495 495 17,895 17,895	sf sf sf sf	\$ \$ \$ \$	265.00 662.50 44.52 7.95 21.20 6.89		19,875	gender neutral restro
Moderate modernization Reconfigure Restroom, one story building Site improvements surrounding building pad Building systems EMS systems upgrades Lighting and controls upgrades Convenience power upgrades Replace drinking fountains with ADA fountains including bottle filler	950 75 495 495 17,895 17,895	sf sf sf sf	\$ \$ \$ \$	265.00 662.50 44.52 7.95 21.20 6.89	\$	19,875	gender neutral restro
Moderate modernization Reconfigure Restroom, one story building Site improvements surrounding building pad Building systems EMS systems upgrades Lighting and controls upgrades Convenience power upgrades Replace drinking fountains with ADA fountains including bottle filler	950 75 495 495 17,895 17,895	sf sf sf sf	\$ \$ \$ \$	265.00 662.50 44.52 7.95 21.20 6.89	\$	19,875	gender neutral restro
Moderate modernization Reconfigure Restroom, one story building Site improvements surrounding building pad Building systems EMS systems upgrades Lighting and controls upgrades Convenience power upgrades Replace drinking fountains with ADA fountains including bottle filler 3. Site Utilities & Infrastructure Based on entire campus area, upgrade existing utilities;	950 75 495 495 17,895 17,895 4	sf sf sf sf sf sf ea	\$ \$ \$ \$ \$	265.00 662.50 44.52 7.95 21.20 6.89 5,088.00	\$	19,875	gender neutral restro

Construction Cost Summary

					-	onstruction		
	Area	Unit		Unit Cost	Cost	: Sub- Total		l Project Cos 5% (x 1.33)
	Alea	Onne		Oliit Oost		Total		7/0 (X 1.33)
4. New Construction (Classrooms)					\$	5,711,000	\$	7,596,00
Student collaboration lab								
Classrooms, two story building	1,397	sf	\$	514.10				
Site improvements surrounding building pad	698	sf	\$	44.52				
High school								
Remove portable classrooms	8	ea	\$	12,720.00	\$	101,760		
Classrooms, two story building	10,214	sf	\$	526.82	\$	5,381,150		
Site improvements surrounding building pad	5,107	sf	\$	44.52	\$	227,373		
5. Elementary STEM & JrHS/HS Science Programs					\$	1,734,000	\$	2,307,00
Remove portable classrooms	2	ea	\$	12,720.00	\$	25,440		
Middle science and STEM labs								
Reconfigure	1,800	sf	\$	318.00				
Lab classrooms, one story building	2,750	sf	\$	545.90				
Site improvements surrounding building pad	2,750	sf	\$	44.52				
High school science and STEM labs								
Lab classrooms, two story building	2,750	sf	\$	598.90	\$	1,646,975		
Site improvements surrounding building pad	1,375	sf	\$	44.52	\$	61,215		
C. Indicate Control of the Control o					\$	4.072.000		2 625 00
6. JrHS/HS Electives Improvements					Þ	1,973,000	\$	2,625,00
Elective classrooms								
Classrooms, two story building	3,593	sf	\$	526.82		1,892,864		
Site improvements surrounding building pad	1,797	sf	\$	44.52	\$	79,980		
7. Music, Drama & Performing Arts Improvements					\$	_	s	_
Music lab classroom					•		•	
Lab classrooms, one story building	1,320	sf	\$	530.00				
Site improvements surrounding building pad	1,320	sf	\$	44.52				
	.,,		_					
8. MPR, Student Union & Food Service Improvements					\$	-	\$	-
Food service								
Reconfigure	600	sf	\$	418.70				
New kitchen equipment, allowance	600	sf	\$	79.50				
New trash enclosure	1	ea	\$	53,000.00				
New lunch shelter	1,200	sf	\$	106.00				

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SECTION 6

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						nstruction		
	Area	Unit		Unit Cost	Cost	Sub Total		Project Cos (x 1.33)
	7.1.04	U		5 5551			207	/ (x 1.00)
9. Physical Education Improvements					\$	-	\$	-
PE / fitness rooms								
Classrooms, one story building	1,348	sf	\$	478.06				
Site improvements surrounding building pad	1,348	sf	\$	44.52				
Gymnasium								
Gymnasium, one story building	7,700	sf	\$	471.70				
Site improvements surrounding building pad	7,700	sf	\$	44.52				
Locker rooms								
Locker rooms, one story building	2,310	sf	\$	604.20				
Site improvements surrounding building pad	2,310	sf	\$	44.52				
10. Staff and Community Support					\$	_	\$	
Administration							·	
Reconfigure	2,400	sf	\$	270.30				
Staff work rooms	,							
Admin, one story building	396	sf	\$	461.10				
Site improvements surrounding building pad	396	sf	\$	44.52				
	4.505			070.00				
Student services								
Reconfigure	1,585	sf	\$	270.30				
Classrooms, two story building	1,476	sf	\$	508.80				
Site improvements surrounding building pad	738	sf	\$	44.52				
2. Safety and Security					\$	956,000	\$	1,272,00
Repair concrete pedestrian paving	5,500							
	0,000	sf	\$	11.66	\$	64,130		
New covered walkways	2,250	st sf	\$	11.66 106.00	\$	64,130		
New covered walkways Decorative metal fencing and gates					·	64,130 63,812		
	2,250	sf	\$	106.00	\$			
Decorative metal fencing and gates	2,250 215	sf If	\$	106.00 296.80	\$	63,812		
Decorative metal fencing and gates Rolling decorative metal gate	2,250 215 3	sf If ea	\$ \$ \$	106.00 296.80 47,700.00	\$ \$ \$	63,812 143,100		
Decorative metal fencing and gates Rolling decorative metal gate New exterior lighting for student safety	2,250 215 3 1	sf If ea Is	\$ \$ \$ \$	106.00 296.80 47,700.00 240,000.00	\$ \$ \$ \$	63,812 143,100 240,000		
Decorative metal fencing and gates Rolling decorative metal gate New exterior lighting for student safety New safety locks to existing classroom doors	2,250 215 3 1 25	sf If ea Is	\$ \$ \$ \$	106.00 296.80 47,700.00 240,000.00 1,351.50	\$ \$ \$ \$	63,812 143,100 240,000 33,788		
Decorative metal fencing and gates Rolling decorative metal gate New exterior lighting for student safety New safety locks to existing classroom doors New emergency signs and posts	2,250 215 3 1 25	sf If ea Is ea	·	106.00 296.80 47,700.00 240,000.00 1,351.50 57,240.00	\$ \$ \$ \$	63,812 143,100 240,000 33,788 57,240		
Decorative metal fencing and gates Rolling decorative metal gate New exterior lighting for student safety New safety locks to existing classroom doors New emergency signs and posts New marquee sign	2,250 215 3 1 25	sf If ea Is ea	·	106.00 296.80 47,700.00 240,000.00 1,351.50 57,240.00	\$ \$ \$ \$ \$	63,812 143,100 240,000 33,788 57,240		
Decorative metal fencing and gates Rolling decorative metal gate New exterior lighting for student safety New safety locks to existing classroom doors New emergency signs and posts New marquee sign Low voltage upgrades	2,250 215 3 1 25 1	sf If ea Is ea Is	\$ \$ \$ \$ \$	106.00 296.80 47,700.00 240,000.00 1,351.50 57,240.00 21,200.00	\$ \$ \$ \$ \$ \$	63,812 143,100 240,000 33,788 57,240 21,200		
Decorative metal fencing and gates Rolling decorative metal gate New exterior lighting for student safety New safety locks to existing classroom doors New emergency signs and posts New marquee sign Low voltage upgrades Fire alarm system	2,250 215 3 1 25 1 1 17,895	sf If ea Is ea Is ea	\$ \$ \$ \$ \$ \$	106.00 296.80 47,700.00 240,000.00 1,351.50 57,240.00 21,200.00	* * * * * * * * * * * * * * * * * * * *	63,812 143,100 240,000 33,788 57,240 21,200		
Decorative metal fencing and gates Rolling decorative metal gate New exterior lighting for student safety New safety locks to existing classroom doors New emergency signs and posts New marquee sign Low voltage upgrades Fire alarm system New fire alarm head end equipment, allowance Emergency lighting	2,250 215 3 1 25 1 1 17,895	sf If ea Is ea Is ea	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	106.00 296.80 47,700.00 240,000.00 1,351.50 57,240.00 21,200.00 6.36 26,500.00	\$ \$ \$ \$ \$ \$ \$ \$ \$	63,812 143,100 240,000 33,788 57,240 21,200 113,812 26,500		
Decorative metal fencing and gates Rolling decorative metal gate New exterior lighting for student safety New safety locks to existing classroom doors New emergency signs and posts New marquee sign Low voltage upgrades Fire alarm system New fire alarm head end equipment, allowance	2,250 215 3 1 25 1 1 17,895 1 17,895	sf If ea Is ea Is ea Is ea sf sf Is	\$ \$ \$ \$ \$ \$ \$ \$	106.00 296.80 47,700.00 240,000.00 1,351.50 57,240.00 21,200.00 6.36 26,500.00 1.70	\$ \$ \$ \$ \$ \$ \$ \$ \$	63,812 143,100 240,000 33,788 57,240 21,200 113,812 26,500 30,350		

Construction Cost Summary

	Area	Unit		Unit Cost	Cost	onstruction Sub- Total		Project Cost
	Alea	Ullit		Ullit Cost		TOtal	2.5	7/0 (X 1.33)
13. Bike / Car Parking & Drop-off					\$	516,000	\$	687,000
New parking lot	17,500	sf	\$	19.08	\$	333,900		
New concrete pedestrian paving	2,600	sf	\$	19.08	\$	49,608		
Entry plaza upgrades	2,400	sf	\$	30.74	\$	73,776		
Bike parking incl. fencing and gates, AC paving and bike racks	2,800	sf	\$	20.87	\$	58,436		
14. Outdoor Learning Courts, Quads & Gardens					\$	_	s	_
New student quad	9,900	sf	\$	27.56	·		ľ	
New learning courts	9,000	sf	\$	27.56				
15. Exterior Play Spaces, Playfields & Hardcourts Play yard and hardcourts					\$	•	\$	-
New hardcourts	29.900	sf	\$	12.72				
New hardcourts New basketball courts and hoops	23,300	ea	\$	5.830.00				
Repair playfields	69.000	sf	\$	1.59			minor	repairs
Baseball and softball fields	05,000	JI.	Ψ	1.00			11111101	горино
New backstop	1	ea	\$	29.150.00				
New bike path	3,000	sf	\$	21.06				
16. Next Generation Learning Furniture					\$	663.000	s	663.000
Flexible furniture per classroom (direct cost)	25	ea	\$	26,500.00	\$	662,500	Ť	000,000
17. Technology Infrastructure & Equipment					\$	650,000	\$	650,000
Classroom tech package - smart boards, projector, project mounts, flat screen monitor, audio system, etc. (direct cost)	25	ea	\$	12,720.00	\$	318,000		
Upgrade backbone, wireless access points, and switches (direct cost)	17,895	sf	\$	9.28	\$	165,976		
Upgrade fiber to support (direct cost)	17,895	sf	\$	9.28	-	165,976		
TOTAL PROJECT COSTS (2018\$)					\$	12,726,000	\$	16,498,000

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					Co	nstruction		
					Cost	Sub-	Total Pro	ject Cost
	Area	Unit		Unit Cost		Total	25% (x	
Modernize / Reconfigure Existing Classrooms					\$	_	s	
• •					Ą	•	÷	•
No scope in this category								
2. Existing Building Systems, Toilets and Improved En	erav Efficiency	,			\$	36,000	s	48.000
Restroom upgrades	,,				•	,	Ť	,
Reconfigure	75	sf	\$	265.00	\$	19.875	gender neu	ral restro
Replace drinking fountains with ADA fountains including	3	ea	\$	5,088.00		15,264	3	
bottle filler								
3. Site Utilities & Infrastructure					•			
					\$	-	\$	•
No scope in this category								
4. New Construction (Classrooms)					\$	-	\$	-
No scope in this category								
. ,								
5. Elementary STEM & JrHS/HS Science Programs					\$	-	\$	-
No scope in this category								
C. I-LIC/LIC Flooring Improvements					\$		s	
6. JrHS/HS Electives Improvements Minor modernization	200		•	444.00	Þ	•		
Minor modernization	300	sf	\$	111.30			shop canop	у
7. Music, Drama & Performing Arts Improvements					\$	-	\$	
No scope in this category								
8. MPR, Student Union & Food Service Improvements					\$	-	\$	•
Food service	200		•	440.40			ford order	
Minor modernization	300	sf	\$	148.40			food service	
Trash enclosure canopy	150	sf	\$	75.00			enclosure c	over
9. Physical Education Improvements					\$	_	s	
Weight room					Ψ	-	*	-
Minor modernization	400	sf	\$	55.65			HVAC only	
WILLOT THOUGHTHZALLOT	400	SI	ą	55.05			TIVAC ONLY	
10. Staff and Community Support					\$	-	\$	-
No scope in this category								
11. Library & Student Support Services					\$	-	\$	-
No scope in this category								

Construction Cost Summary

	Area		Unit		Unit Cost	Cost	onstruction Total		al Project Cost 5% (x 1.33)
12. Safety and Security						\$	31	,000	\$ 42,000
New safety locks to existing classroom doors		7	ea	\$	1,351.50	\$	g	9,461	
New marquee sign		1	ea	\$	21,200.00	\$	21	1,200	
13. Bike / Car Parking & Drop-off						\$			\$ •
No scope in this category									
14. Outdoor Learning Courts, Quads & Gardens						\$			\$
No scope in this category									
15. Exterior Play Spaces, Playfields & Hardcourts No scope in this category						\$		-	\$ -
16. Next Generation Learning Furniture						\$			\$ -
Flexible furniture per classroom (direct cost)		5	ea	\$	26,500.00				
17. Technology Infrastructure & Equipment						\$	197	,000	\$ 197,000
Classroom tech package - smart boards, projector, project mounts, flat screen monitor, audio system, etc. (direct cost)		5	ea	\$	12,720.00	\$	63	3,600	
Upgrade backbone, wireless access points, and switches (direct cost)				•	0.00	•		2040	
Upgrade fiber to support (direct cost)		150 150	sf sf	\$ \$	9.28 9.28	-		5,316 5,316	
TOTAL PROJECT COSTS (2018\$)						\$	264	,000	\$ 287,000

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Davis School for Independent Study (DSIS) and District Office Masterplan Estimate

Construction Cost Summary

				Co	nstructio	on		
	A	11-:4	Unit Cont	Cost		Sub-		roject Cost
	Area	Unit	Unit Cost		Total		25%	(x 1.33)
14. Outdoor Learning Courts, Quads & Gardens				\$			\$	-
No scope in this category								
15. Exterior Play Spaces, Playfields & Hardcourts				\$			\$	-
No scope in this category								
16. Next Generation Learning Furniture				\$		-	\$	-
No scope in this category								
17. Technology Infrastructure & Equipment No scope in this category				\$		-	\$	-
TOTAL PROJECT COSTS (2018\$)				\$	2,250,	000	\$	1,995,000

Construction Cost Summary

				Co	nstruction		
	Area	Unit	Unit Cost	Cost	Su Total		Project Cost % (x 1.33)
	Alea	Oilit	Omit Gost		Total	23	70 (X 1.55)
1. Modernize / Reconfigure Existing Classrooms				\$	-	\$	-
No scope in this category							
2. Existing Building Systems, Toilets and Improved En	eray Efficiency			\$	_	s	_
No scope in this category	ergy Emolericy			Ψ	_	1	-
3. Site Utilities & Infrastructure				\$	-	\$	-
No scope in this category							
4. New Construction (Classrooms)				\$	_	s	_
No scope in this category				٧		*	
5. Elementary STEM & JrHS/HS Science Programs				\$	-	\$	-
No scope in this category							
6. JrHS/HS Electives Improvements				\$	_	s	_
No scope in this category				•		*	
7. Music, Drama & Performing Arts Improvements				\$	-	\$	-
No scope in this category							
8. MPR, Student Union & Food Service Improvements				\$	_	s	_
No scope in this category							
9. Physical Education Improvements				\$	-	\$	-
No scope in this category							
10. Staff and Community Support				\$	1,500,000	s	1,995,000
DSIS and Districe Office Modernization, quoter per DJUSD	1	ls	\$ 3,000,000.00	\$	3,000,00	1 '	
11. Library & Student Support Services				\$	-	\$	-
No scope in this category							
12. Safety and Security				\$	_	\$	_
No scope in this category							
13. Bike / Car Parking & Drop-off				\$	-	\$	-
No scope in this category						╛	

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					nstruction		
	Area	Unit	Unit Cost	Cost	Sub- Total		Il Project Cos 5% (x 1.33)
	Alea	Ollit	Unit Cost		Total		3 /6 (X 1.33)
1. Modernize / Reconfigure Existing Classrooms				\$	-	\$	-
No scope in this category							
2. Existing Building Systems, Toilets and Improved Ene	rav Efficiency	,		\$	36,000	s	48,00
Restroom upgrades	3,,					ľ	.,
Reconfigure	75	sf	\$ 265.00	\$	19,875	gende	er neutral restro
Replace drinking fountains with ADA fountains including bottle filler	3	ea	\$ 5,088.00	\$	15,264		
3. Site Utilities & Infrastructure				\$	405,000	\$	539,00
Based on entire campus area, upgrade existing utilities;							
Natural gas service	73,200	sf	\$ 0.42	\$	31,037		
Sanitary sewer service	73,200	sf	\$ 0.85	\$	62,074		
Domestic and fire water service	73,200	sf	\$ 1.06	\$	77,592		
Electrical mains and distribution	73,200	sf	\$ 2.13	\$	155,960		
Storm drain service	73,200	sf	\$ 1.06	\$	77,592		
4. New Construction (Classrooms)				\$	4,014,000	\$	5,339,00
Pre-school and kindergarten							
Classrooms, one story building	11,520	sf	\$ 303.85	\$	3,500,340	modu	lar bldg's
Site improvements surrounding building pad	11,520	sf	\$ 44.52	\$	512,870		
5. Elementary STEM & JrHS/HS Science Programs				\$	-	\$	
No scope in this category							
6. JrHS/HS Electives Improvements				\$	-	\$	-
No scope in this category							
7. Music, Drama & Performing Arts Improvements				\$	-	\$	-
No scope in this category							
8. MPR, Student Union & Food Service Improvements				\$	•	\$	
No scope in this category							
9. Physical Education Improvements				\$		\$	
No scope in this category							

Construction Cost Summary

						nstruction		
	Area	Unit		Unit Cost	Cost	Sub- Total		Il Project Cost 5% (x 1.33)
	Alcu	Onic		Oint Goot		Total		070 (X 1.00)
10. Staff and Community Support					\$	992,000	\$	1,320,000
Administration								
Admin, one story building	1,920	sf	\$	299.72	\$	575,453	modu	lar bldg
Site improvements surrounding building pad	1,920	sf	\$	44.52	\$	85,478		
Staff work rooms								
Admin, one story building	960	sf	\$	299.72	\$	287,726	modu	lar bldg
Site improvements surrounding building pad	960	sf	\$	44.52	\$	42,739		
44 Library & Chudant Cunnart Caminas					\$	720.000	\$	970,000
11. Library & Student Support Services Student services					ð	729,000	ð	970,000
	4 440			404.40	•	000.004		
Classrooms, one story building	1,440	sf	\$	461.10		663,984		
Site improvements surrounding building pad	1,440	sf	\$	44.52	\$	64,109		
12. Safety and Security					\$	196,000	\$	261,000
Decorative metal fencing and gates	155	lf	\$	296.80	\$	46,004		
Rolling decorative metal gate	1	ea	\$	47,700.00	\$	47,700		
New exterior lighting for student safety	1	ls	\$	42,400.00	\$	42,400		
New emergency signs and posts	1	ls	\$	38,160.00	\$	38,160		
New marquee sign	1	ea	\$	21,200.00	\$	21,200		
13. Bike / Car Parking & Drop-off					\$	416,000	s	554,000
New parking lot	14,300	sf	\$	19.08	\$	272,844	*	334,000
New drop-off area	4,000	sf	\$	21.20		84,800		
New concrete pedestrian paving	1.000	sf	\$	19.08	\$	19,080		
Entry plaza upgrades	1,250	sf	\$	30.74		38,425		
and plants	.,===					,		
14. Outdoor Learning Courts, Quads & Gardens					\$	-	\$	-
No scope in this category								
15. Exterior Play Spaces, Playfields & Hardcourts					\$	246,000	s	328,000
Pre-school and kindergarten play yard					•	,		,
New rubber surfacing	1.500	sf	s	23.32	\$	34,980		
Play apparatus	1	ea	\$	81.620.00		81,620		
Shade structure	1,200	sf	s	53.00		63,600		
New hardcourts	5,100	sf	\$	12.72	\$	64,872		
16. Next Generation Learning Furniture					\$	-	\$	-
No scope in this category								

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				Cost	nstruction Sub-	Tot	al Project Cost
	Area	Unit	Unit Cost		Total	- 2	25% (x 1.33)
17. Technology Infrastructure & Equipment No scope in this category				\$	-	\$	-
TOTAL PROJECT COSTS (2018\$)				\$	7,031,000	\$	9,359,000

Construction Cost Summary

Davis Adult and Community Education Masterplan Estimate

Construction Cost Summary

					Co	nstruction		
			1		Cost	Sub-	То	tal Project Cost
	Area	Unit		Unit Cost		Total		25% (x 1.33)
1. Modernize / Reconfigure Existing Classrooms					\$	_	\$	_
No scope in this category					*		*	
140 scope III tills category								
2. Existing Building Systems, Toilets and Improved En	ergy Efficiency				\$	-	\$	-
No scope in this category								
3. Site Utilities & Infrastructure					\$		\$	
					Ţ	-	Ÿ	•
No scope in this category								
4. New Construction (Classrooms)					\$		\$	
No scope in this category					•		l .	
The ecope in this eategory								
5. Elementary STEM & JrHS/HS Science Programs					\$	-	\$	-
No scope in this category								
6. JrHS/HS Electives Improvements					\$	-	\$	-
No scope in this category								
7. Music, Drama & Performing Arts Improvements					\$	-	\$	-
No scope in this category								
8. MPR, Student Union & Food Service Improvements					\$	790,000	\$	1,051,000
Remove portable classrooms	1	ea	\$	12,720.00	\$	12,720		
Multi-purpose rooms								
MPR, one story building	1,238	sf	\$	583.00	\$	721,463		
Site improvements surrounding building pad	1,238	sf	\$	44.52	\$	55,094		
9. Physical Education Improvements					\$	-	\$	-
No scope in this category								
10. Staff and Community Support					\$	639,000	\$	850,000
Remove portable classrooms	1	ea	\$	12,720.00	\$	12,720		
Administration								
Admin, one story building	990	sf	\$		\$	456,489		
Site improvements surrounding building pad	990	sf	\$	44.52	\$	44,075		
Staff work rooms								
Admin, one story building	248	sf	\$		\$	114,122		
Site improvements surrounding building pad	248	sf	\$	44.52	\$	11,019		

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6/20/18

				Co	nstruction		
			11-21-0	Cost			al Project Cost
	Area	Unit	Unit Cost		Total	2	5% (x 1.33)
11. Library & Student Support Services				\$	-	\$	-
No scope in this category							
12. Safety and Security				\$	-	\$	-
No scope in this category							
13. Bike / Car Parking & Drop-off				\$	_	s	
• .				ð	-	ð	•
No scope in this category							
14. Outdoor Learning Courts, Quads & Gardens				\$	-	\$	-
No scope in this category							
15. Exterior Play Spaces, Playfields & Hardcourts				\$	_	s	
No scope in this category				Ą	-	9	-
No scope in this category							
16. Next Generation Learning Furniture				\$	-	\$	-
No scope in this category							
17. Technology Infrastructure & Equipment No scope in this category				\$	•	\$	-
TOTAL PROJECT COSTS (2018\$)				\$	1,429,000	\$	1,901,000
101AE 1 100E01 00010 (2010\$)				Ψ	1,723,000	-	1,301,000

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October 25, 2017

SFMPAC MEETING MINUTES #1

DAVIS JOINT UNIFIED SCHOOL DISTRICT | FACILITIES MASTER PLAN

LPA PROJECT NO.: 17173.10

DATE: October 17, 2017 TIME: 06:00pm - 8:00pm PLACE: Harper J. MS

This report of the meeting's events, if not corrected within seven days of transmittal, shall be acknowledged as accurate and deemed as if accepted in writing by the addressee(s).

PRESENT DISTRIBUTION CONSULTANTS See attached sign in Sheet All Present None

DISCUSSION	ITEMS		
ACTION	ITEM NO.		
LPA/DJUSD	1.01	Introductions and Committee Welcome	
LPA	1.02	LPA Team and Process Overview	
DJUSD	1.03	"If You Could Dream" Goal-Setting Activity	
ΙΡΔ	1 04	Propert Back	

ΙΡΔ 1.05 Defining Success-Round Table Discussion

- Vision is implementable
- · process is transparent and aligned with community
- Increase engagement of students
- · Process transparent
- · Most needy schools
- Community buy in & understanding: students, teachers, parents
- Community says how can we not do this
- · Opportunity of for next generation
- Compassion and thoughtful
- Vision that integrates nature and built environment for learning
- A school bond that passes
- · Student driven, what do kid's need
- Students first buy-in
- Diversity
- Make sure it can be paid for



October 25, 2017 Page 2 of 2

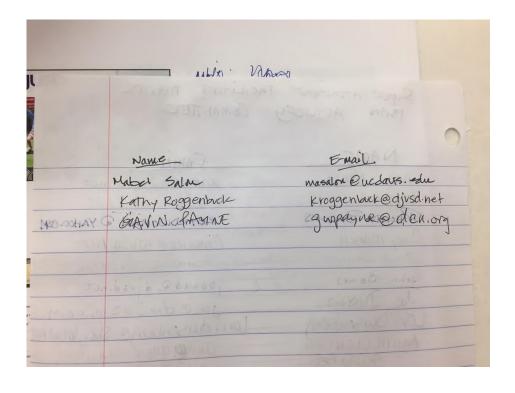
ACTION	ITEM NO.	
		Indoor & Outdoor learning Social and emotional needs Get stakeholder support beyond school district Process brings everyone together vision for future to pass bond Learning environment where everyone wants to spend more time in Results in neighborhood loving neighborhood schools Inspire curiosity and inquiry for children and their children Clear and unanimous vision for next two generations w/ out impediment Truly a community project Inclusive and practical School Hub of community involve all stakeholders Immediate improve learning Student and teacher centered workable and creative
LPA	1.06	Committee Questions and Next Steps Facebook is main point of communication that community utilizes to receive information from DJUSD Send SFMPAC #1 power point to SFMPAC members and post on DJUSD website
	2.07	Next SFMPAC Meeting Nov. 14 6pm-8pm at DJUSD Office; Agenda: Educational Program Opportunities

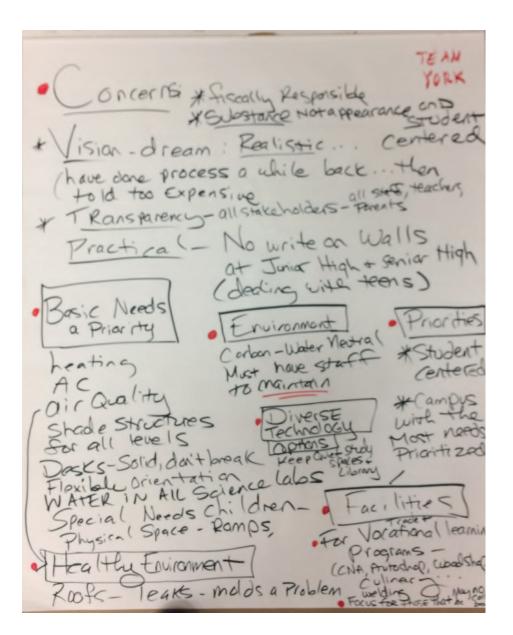
Submitted by: Ben McGuirl

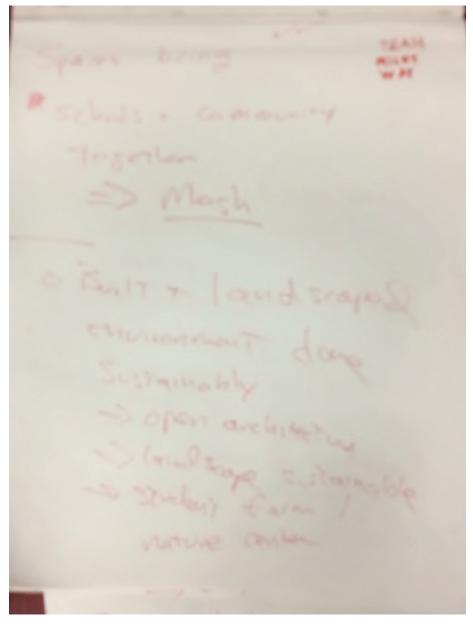




	C	" MARTER
0	Super Interdent Face PLAN ADVISORY	Committee
	NAME	EMAIL
	Annie Nelson	annelson adjust, net
	Mary Tallyn	
	RHONDA BROOKS	RBYRDWOMAN & TAIN
	CINDY MAKKII	CMARKER @ DTUSD. NET
	Jennie Singer	Jksinger@csus.edu
	John Bowes	jbowes @ djvsd.net
	Jac DiMonza	100 @ dinizn210. Com
	Lovi Duisenbern	lovi. duisenberge sheglobal net anna annimerans. com
		anna annmerans, com
	Ann M. Evaus for Olina Beet	info adavisfarm to school org
-	Barbara Archer	barcher a djusdinet
reductions &	Simon Pitaeld	davispentathlon agmail.com
	Jeff Lorenson	Jorenson @ djusd. net
	Brian Williams	brian@andcheese.org
	Bob Popp Enga	Spopperga @ Qus Q. ret
	Eric Bastin	ebastine djusd.net
	Erric Hays	ethays agmail. com
	J. n Krisht	Junght edjusdine +
	Carlette Hartsough	chartsough odjusd net
	Rena Nayyar	mayyar djusdinet
	Feral III	dhowlaka djusdinet
	dianna huculat	winds and at-out
	11.100 1100 NUL	nieves-ronald@t-online de
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	Grace Osborne	Grace-Osborne @pachall net
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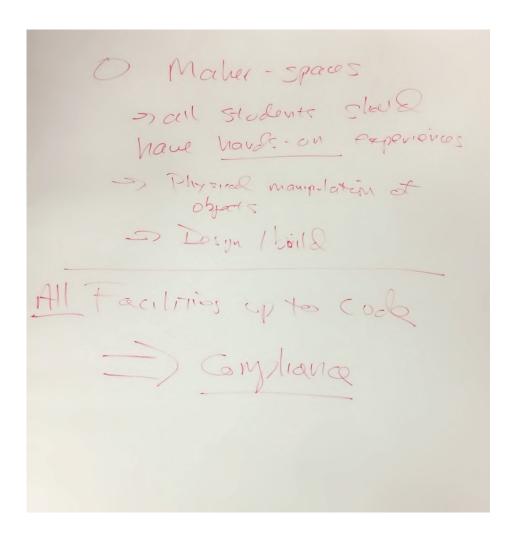


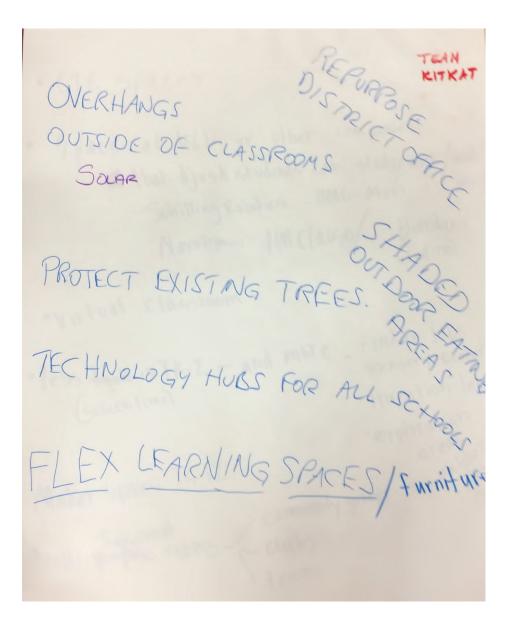
O Cooking Kitchen in - Muti-Uses OMPR-consider Drond USS - Rencing Psysathalian Community Part for whole city > Rev generation (?) Dave community involvement · International involvent

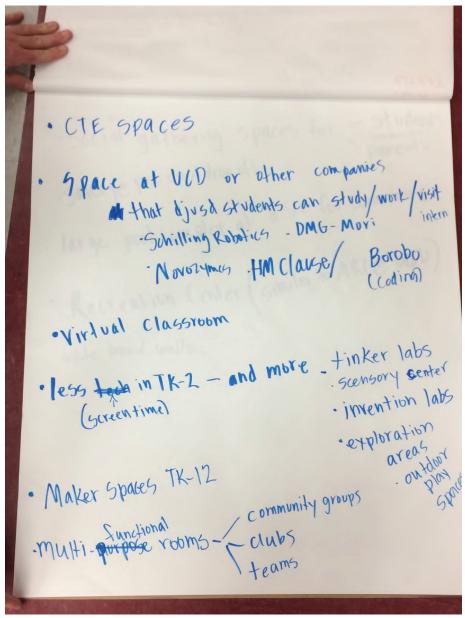
O Pool - Arhlerics, FE Competition Size generation

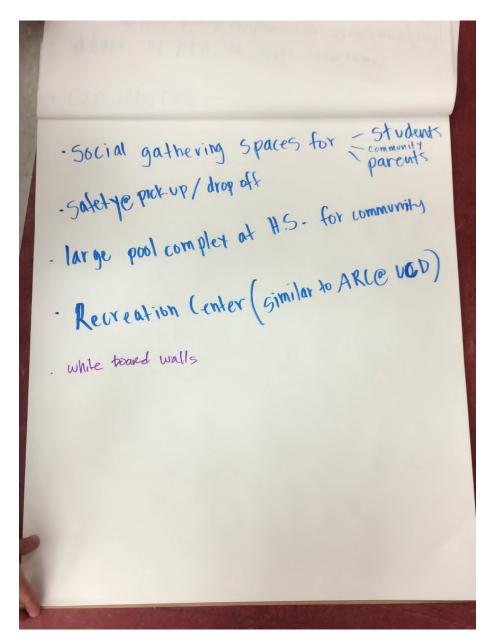
Funding USA Swimming 2nd Gymasium > sevue school and community 5 STEM Buldinh -> Large 5/065 for CIE -> Competer coding x Fathering space for entire student population - Severy are welcome + Inclusion belong

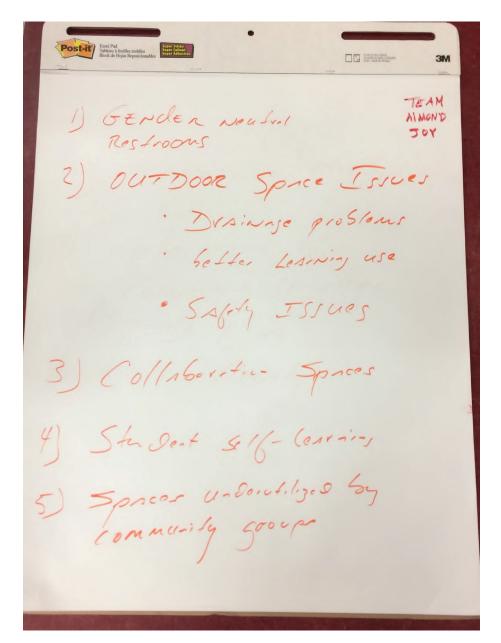
o Tech in classon to support dillerentiation - QII Spaces Support Use of technology Proper-based borning Spaces -> support team learning - OR VINCILLED - Bit all Theolo Dueyone has their Special Thing / Space

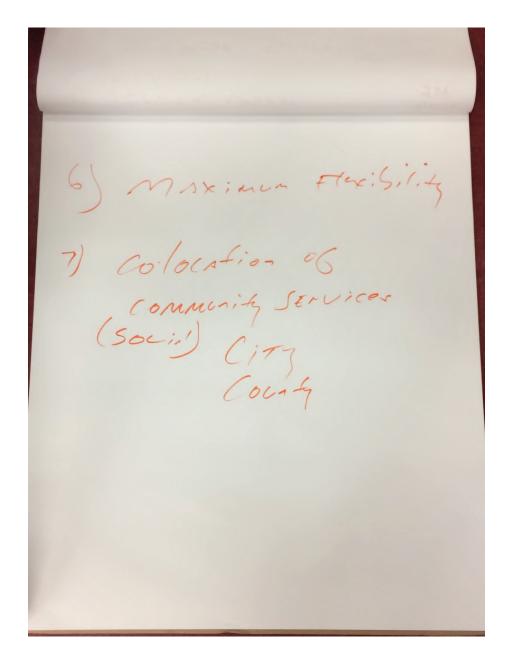


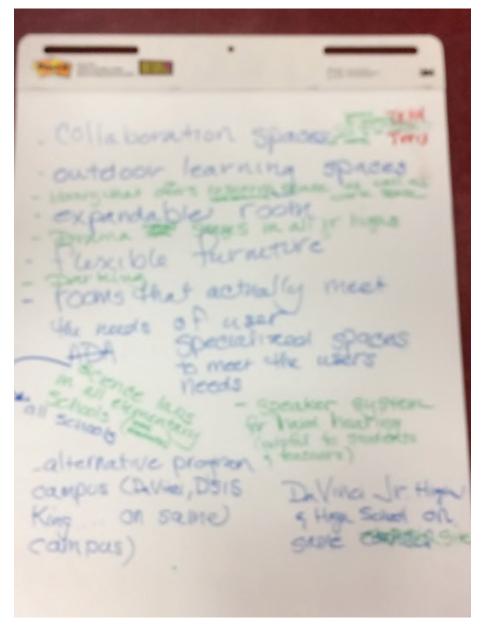












November 22, 2017

SFMPAC MEETING MINUTES #2

DAVIS JOINT UNIFIED SCHOOL DISTRICT | FACILITIES MASTER PLAN

LPA PROJECT NO.: 17173.10

DATE: November 14, 2017 TIME: 06:00pm - 8:00pm PLACE: Da Vinci High School

This report of the meeting's events, if not corrected within seven days of transmittal, shall be acknowledged as accurate and deemed as if accepted in writing by the addressee(s).

PRESENT DISTRIBUTION CONSULTANTS See attached sign in Sheet All Present None

DISCUSSION ITEMS							
ACTION	ITEM NO.						
	2.01	Introductions and Committee Welcome					
	2.02	Update of FMP Process					
	2.03	Guiding Principles: Small Group Activity & Present Back					

Revise title to read: FMP Guiding Principles- remove process

- Student/Teacher focus
- o Gender non-conforming facilities (locker rooms,
- o MPR-Flexibility for various uses, including open to
- community
- o School specific character to be intact

Group #2:

- o FMP process guiding principles
- o Schools as community hubs
- o Open process-stakeholder input from all
- Flexibility in space
- o All student, safe

Group #3:

- 1. Inspiring vision instills a love of learning
- 2. Guided by inclusiveness, fare and transparent process that supports engagement of entire community



DISTRICT LEADERSHIP COMMITTEE - MEETING MINUTES NO. 1 DAVIS JOINT UNIFIED SCHOOL DISTRICT - FACILITIES MASTER PLAN

LPA PROJECT NO. 17173.10

November 22, 2017 Page 2 of 2

ACTION	ITEM NO.	
		Strive to include all teachers, students and entire community Specific, achievable, measurable goals, accountable Collaborative Safety Community Hub Central Common terminology-verbs or adjectives Gardens/Outdoor Learning
		Group #4: Student and teachers ranked #1 Sustainable Achievable Results
	2.04	Reviewed Davis Demographics Fall 2016/2017 Student Population forecast
	2.05	Principal Survey & School Site Assessment Feedback Reviewed overall process of principle surveys, M&O focus group meeting, and school site assessment, which included meetings with Principles Reviewed 7 zones of district to give overview of issues at ES, MS and HS.
	2.06	Sustainable Goals (Tabled for SFMPAC Mtg #3)
LPA/DJUSD	2.07	Committee Questions and Next Steps Send SFMPAC #2 power point to SFMPAC members and post on DJUSD website LPA to update FMP Guiding Principles to reflect SFMPAC feedback
	2.08	Next SFMPAC Meeting #3 Dec. 12 6pm-8pm Location: TBD; Agenda: District Vision Submitted by: Ben McGuirl
		Guarriated by Deri McGuill







FACILITIES MASTER PLAN





DAVIS JOINT UNIFIED SCHOOL DISTRICT LPA PROJECT NO. 17173.10

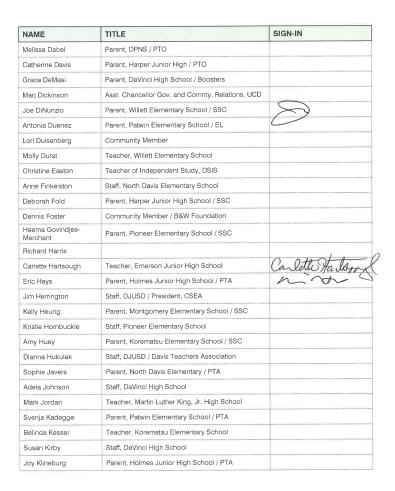
Date: November 14, 2017 Time: 6:00 - 8:00PM Place: Da Vinci High School

SUPERINTENDENT'S FACILITIES MASTER PLAN ADVISORY COMMITTEE - SIGN IN SHEET

NAME	TITLE	SIGN-IN
Maria Aguirre Robledo	Staff, Martin Luther King, Jr. High School	
Sally Albertson	Parent, Davis Senior High School / PTA	
Barbara Archer	DJUSD Trustee	Brelu
Natalie Baltazar	Parent, Willett Elementary School / PTA	
Eric Bastin	Teacher, Davis Senior High School	2/
Olivia Beck	Farm to School	
Andee Bell	Parent, Pioneer Elementary School / PTA	
Marci Bernard	Director of Instructional Technology, DJUSD	
Matt Best	Deputy Superintendent, DJUSD	
Christina Blackman	Chamber of Commerce	
Rody Boonchouy	Assoc. Supt., Instructional Services, DJUSD	199
Gay Bourguignon	Principal, Pioneer Elementary School	^
John Bowes	Superintendent, DJUSD	ART
Rhonda Brooks	Staff, Willett Elementary School	PBns ()
Ashley Burgdorf	Parent, Korematsu Elementary School / PTO	
Vickie Carr Carla Control	Staff, DaVinci High School	Openter Const
Riley Chessman	Teacher, Special Education	
Bruce Colby	Chief Business and Operations Officer, DJUSD	
Kelly Coleman	Parent, Montgomery Elementary School / PTA	p- L
Kelly Cooper	Staff, Montgomery Elementary School	

(Replacine Kelly Cooper Kelly as the MME PTA representative here) brigh Qand cheese.org





NAME	TITLE	SIGN-IN
Jim Knight	Principal, Birch Lane Elementary School	15
Melody Law-Ewey	Parent, Emerson Junior High School / PTA	
Merissa Leamy	Parent, Harper Junior High School / SSC	
James Lehman	Parent, Patwin Elementary School / PTA	
Wendy Lewis	Staff, DJUSD	
Callie Lindsey	Parent, Harper Junior High School	
Linda Lingbloom	Parent, Pioneer Elementary School / PTA	
Jeff Lorenson	Teacher, Davis Senior High School / Athletics	
Cindy Martell	Staff, DSIS	
Debbie Martin	Staff, DaVinci High School	
Melissa Martinez	Parent, Martin Luther King, Jr. High School / SSC	
Sue Meyer	Staff, Harper Junior High School	
Inci Midilliouglu	Parent, Pioneer Elementary School / EL	
Jennifer Miller	Parent, Harper Junior High School / SSC	
Tyler Millsap	Principal, DaVinci High School	7 Millsey Rena nazyda
Jen Mullin	Vice Principal, Holmes Junior High School	/
Rena Nayyar	Teacher, Emerson Junior High School	Rina nazya
Grace Osborne	Parent, DJUSD / DSOMA	4
Cheryl Ozga	Staff, DJUSD	V
Don Palm	Dean, Sacramento City College	
Sally Palow	Teacher, Birch Lane Elementary School	Sallista Lour
Trista Pandeleos	Parent, Pioneer Elementary School	1300
Gavin Payne	Parent, Davis Senior High School / SSC	
Marty Pence	Parent, North Davis Elementary School / SSC	
Kimberly Perez	Staff, Davis Senior High School	
Heidi Perry	Principal, Willett Elementary School	
Maureen Poole	Staff, DJUSD	
Bob Poppenga	DJUSD Trustee	m
Penny Pyle	Staff, DJUSD	





NAME	TITLE	SIGN-IN
Kathy Roggenbuck	Teacher, Cesar Chavez Elementary School	000
Mary Ruiz	Parent, Patwin Elementary School / PTA	
Maria Ryken	Teacher, Patwin Elementary School	
Michelle Salisbury	Staff, Birch Lane Elementary School	
Mabel Salon	Dir. of Comnty. and Local Gov't Relations, UCD	
Jennie Singer	Parent, DSIS / SSC	
Sheryl Soucy-Lubell	Parent, Birch Lane Elementary School	
Kelly Stachowicz	Assistant City Manager, City of Davis	
Amy Stacy	Student Services	
Kristine Stanowicz	Teacher, Pioneer Elementary School	
Tara Stapleton	Staff, Willett Elementary School	
Mary Tallyn	Staff, Patwin & Fairfield Elementary Schools	
Wendy Thompson	Staff, Montgomery Elementary School	
Scott Thomsen	Principal, Emerson Junior High School	
Kristen Uliasz	Teacher, DaVinci High School	
Lorraine Visher	Community / DSAF	
Kurt Yeaman	Teacher, North Davis Elementary School	
Jim Kisel	LPA, Inc.	1.1
Andrea Pippin	LPA, Inc.	7
Anthony Harris	LPA, Inc.	
Ben McGuirl	LPA, Inc.	
Kristen Van Elden	LPA, Inc.	
Julie Z.Cramer	LPA, Inc. / Wayfind Education	
Lori Raineri	Government Financial Strategies	
Christine Helwar	Asst. Director, Parks+ Communit	Sucs - City of
Nieves Vicent		There was
Hilory Garvin		2 to Sale
Simon Pitielo	1	
	er teacher DVCA	gely)
Lody BOOAchan	M J western of h	0
1 Moor	for DVJH Via Principal	110

January 26, 2017

SFMPAC MEETING MINUTES #3

DAVIS JOINT UNIFIED SCHOOL DISTRICT | FACILITIES MASTER PLAN

LPA PROJECT NO.: 17173.10

DATE: December 12, 2017 TIME: 06:00pm - 8:00pm PLACE: Da Vinci High School

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PRESENT DISTRIBUTION CONSULTANTS

See attached sign in Sheet All Present None

DISCUSSION	N ITEMS		
ACTION	ITEM NO.		
	3.01	Introductions and Committee Welcome	
	3.02	Update of FMP Process	
	3.03	Sustainable Goals Activity	(Group Activity & Present Back)

Reduce Water use:

- · Grey Water use for irrigation
- · low flow faucets and toilets/urinals
- low/no water use for landscape

Energy Efficiency:

- Solar power
- Improve ventilation
- Insulation retrofit
- · Charging stations
- Carbon neutral
- · Day lighting for classrooms reduce artificial lighting use

3.04	Teacher & Staff Survey Findings Review
	 LPA sent surveys per school to District
3.05	Educational Program Review

- Educational Program Review
 - · Reviewed overall process of principle surveys, M&O focus group meeting, and school site assessment, which included meetings with Principles
 - · Reviewed 7 zones of district to give overview of issues at ES, MS and HS

DISTRICT LEADERSHIP COMMITTEE - MEETING MINUTES NO. 1 DAVIS JOINT UNIFIED SCHOOL DISTRICT - FACILITIES MASTER PLAN LPA PROJECT NO. 17173.10

January 26, 2018 Page 2 of 2

ACTION ITEM NO

3.06 School Site Opportunities Charrette Group Activity & Present Back

Emerson / Da Vinci Academy JHS

- Odd shape rooms
- Primary focus was to provide adequate Sci-Labs w/prep space, proposed in rear of site adjacent to portables
- Reutilize home Economics & Wood shop for CTE & Maker Lab spaces
- Supplemental service spaces are needed (offices)
- PV array over parking
- Interior hallways utilized as learning spaces
- Collab spaces in middle of classroom pods
- · Bring back swimming pool

- · Poor street access, no pick up or drop off, all accessed by one point, separate bikes and cars, PG&E easement for bike access
- · Storage an issue (lockers bad shape, state requires all students have own books)
- · Portables very distant from school, proposed new 2 story class room bar
- · Track requires updating to be regulation size
- Poor drainage at center of campus create outdoor learning spaces

Davis HS

- · Creating a campus easy to navigate w/ a clear entrance, which would entail the administration building to be relocated at new entry to face Veterans memorial parking lot
- · North portables adjacent to gym to be removed (athletics currently are located here) & add 50 Meter swimming pool south of portables
- STEM/STEaM Center (Share w/ Adult School w/ Community Center)
- Strong Robotics Program / MakerSpace (Combine with Science Lab)
- · Replacement of Portables w/ Permanent
- Move Administration/Welcome Center to Parking Lot/Front Door
- Exterior Learning Environments
- Staff Collaboration / Departments Spread Out Now

3.07	Next Town	Hall Meetings

- Town Hall-1 Library at Davis HS (6:00 8:00pm)
- Town Hall-2 Library at Emerson Junior High (6:00-8:00pm) 02.07.18
- Town Hall-3 MPR at Harper Junior High (6:00 8:00pm) 02.07.18
- *Select Town Hall based on your site's attendance area.
- · Submitted by: Ben McGuirl





02.06.18

5 minutes

5 minutes

20 minutes

45 minutes

10 minutes

5 minutes

February 22, 2018

SFMPAC MEETING MINUTES #4

DAVIS JOINT UNIFIED SCHOOL DISTRICT | FACILITIES MASTER PLAN

LPA PROJECT NO.: 17173.10

DATE: February 21, 2018 TIME: 06:00pm - 8:00pm PLACE: Da Vinci High School

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PRESENT DISTRIBUTION CONSULTANTS

See attached sign in Sheet All Present None

DISCUSSION ITEMS

ACTION ITEM NO.

> 4.01 FMP Process Update

Student Survey **Educational Vision Charrette & Program Standards**

Town Halls & Draft Master Plan Diagrams School Site Committees (SSC) Role & Summary SFMPAC Next Steps

Notes from FMP Presentation:

Birch Lane:

Gender Neutral restrooms single student, easily accessible

Q: Space behind MPR-hiding Space-supervision issue

A: Strategic Fencing

Q: Bike parking review quantity and security and access

Q: Preserve existing gardening

A: planter beds part of construction cost Q: question 2-story issue w/ neighbors A: preserve hard courts and playfields

Kindergarten (all day) 1,350 sf w/ toilet in CR

North Davis Elementary
3-4 year turn around for plans, process and building

Q: what is less expensive 2 story or 1 story

A: 1 story; 2 story elevator, 2nd flr circulation, stairs and elevators

Need more support spaces

Update Property Line adjacent to CDC/parking

Holmes MS:

Preserve ag outdoor learning

Recently upgraded

Davis SHS:

No since of entry

New 50M pool New admin

Sci-undersized

LPA SFMPAC - MEETING MINUTES NO. 4

DAVIS JOINT UNIFIED SCHOOL DISTRICT - FACILITIES MASTER PLAN LPA PROJECT NO. 17173.10

February 22, 2018 Page 2 of 3

ACTION ITEM NO.

Learning center missing-relocate Adult to quad in front of Gym

Q. Pool desire and priorities

A. LPA heard from community and stake holders that pool is priority

Q. Bike parking in front of gym missing,

A. LPA at 1on1s to define in further detail locations of bike parking

King HS

New facility

Music storage missing Update Property Line

DJUSD Children's center

Relocated to Emerson JHS and provide designated parking lot

Adult School

Relocate to allow learning center for Davis SHS

CA Assoc. have produced FMP LPA to fold plans into FMP

Korematsu

Newer facilities

Added sci-lab, innovation lab, and Kindergarten

Montgomery

Newer facilities

Added Kindergarten Added Science

CDC owns buildings

Q: What sets Priorities-next SFMPAC-stars to set priority

Music room is now bridge program

Public/parent resource needs to be at front (Parent Center) separate from staff

Kindergarten can be replaced SCI CR

Get nuances in English language-

MPR concern program is not same as RG, Diagram just for cost, MPR components can be reconfigured in future

Existing center space works well for Collab

Improve program adjacencies

Harper MS

Newer Campus

Cezar Chaves Finger plan layout 1950s

Add learning courts

Parking issue-provide one way and new entry access point

City is working on traffic study at Anderson

2.25 teaching station per CR

Provide gate w/ key card for staff parking



SFMPAC - MEETING MINUTES NO. 4

DAVIS JOINT UNIFIED SCHOOL DISTRICT - FACILITIES MASTER PLAN LPA PROJECT NO. 17173.10

February 22, 2018 Page 3 of 3

ACTION

ITEM NO.

Fairfield ES

Don't own land just blding Shade structure

Patwin Newer ES

Shade structure

Willet
MPR concern program is not same as RG, Diagram just for cost, MPR components can be reconfigured in future

Lunch shelter

Library at center of learning environment-Library flip so it is centered off quad Outdoor learning environments are removed when you have a two-story buildingone long 1-story blding produces security and prevents dogs coming onto playfields

Emerson JHS
Remove portables-relocate CR to Da Vinci JHS previous location

Da Vinci Charter Academy

Combined JHS & HS

Reduces trips to school because of relocating preschool multiple drop off and

Added additional parking to site to alleviate on street parking in community

General Discussion:
Kindergarten enrollment full day, not increasing decreasing

72 currently

100 students per grade Positive mobility

Q. DSIS, Adult, Davis Children's combined

A. Adult school requires adult lab access at Davis SHS

4.03

Next Steps:

One on One Meetings with SSC's

Finalize Site Diagrams and Cost Estimating March / April

SFMPC Meeting #5

April 12th 6:00-8:00pm

Total Program Cost and Funding Sources Overview

Scope of Work Categories

Stakeholder Groups Priorities

SFMPAC Prioritization Voting Activity

May / June

March 6th - 8th

Submitted by: Ben McGuirl

Board of Education Engagement







April 27, 2018

SFMPAC MEETING MINUTES #5

DAVIS JOINT UNIFIED SCHOOL DISTRICT | FACILITIES MASTER PLAN LPA PROJECT NO.: 17173.10

DATE: April 12, 2018 TIME: 06:00pm - 8:00pm PLACE: Da Vinci High School

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PRESENT DISTRIBUTION CONSULTANTS

See attached sign in Sheet All Present None

DISCUSSION ITEMS

ACTION

5.01 Committee Welcome / FMP Process-to-Date

5 min Scope of Work Categories 10 min Total Program Cost & Potential Funding 35 min Stakeholder Groups Priorities 10 min SFMPAC Prioritization Activity 30 min Voting Outcomes Discussion 25 min Next Steps 5 min

5.02 Scope of Work Categories:

- 1. Modernize / Reconfigure Existing Classrooms
- 2. Existing Building Systems, Toilets & Improved Energy Efficiency
- 3. Site Utilities & Infrastructure
- 4. New Construction (Classrooms)
- 5. Elementary STEM & JrHS/HS Science Programs
- 6. JrHS/HS Electives Improvements
- 7. Music, Drama & Performing Arts Improvements
- 8. MPR, Student Union & Food Service Improvements
- 9. Physical Education Improvements
- 10. Staff & Community Support
- 11. Library & Student Support Services
- 12. Safety & Security
- 13. Bike / Car Parking & Drop-Off
- 14. Outdoor Learning Courts, Quads & Gardens
- 15. Exterior Play Spaces, Playfields & Hardcourts
- 16. Next Generation Learning Furniture
- 17. Technology Infrastructure & Equipment



SFMPAC - MEETING MINUTES NO. 4

DAVIS JOINT UNIFIED SCHOOL DISTRICT - FACILITIES MASTER PLAN LPA PROJECT NO. 17173.10

April 27, 2018 Page 2 of 2

ACTION	ITEM NO.	
	5.03	Total Program Cost & Potential Funding:
		 Overall FMP budget: \$438 Million includes soft cost 25% Bond to fund approx. 1/3 of cost of Facility Master Plan Potential Bond funding analysis by GFS: \$150 M for Nov. 2018 election \$157 M for 2020 election (have to consider inflation loss)
	5.04	Stakeholder Groups Priorities:
		Principal Interview: 1. Modernize / Reconfigure 2. New construction 3. Bike / Car parking & drop off
		School Site Committee: 1. New Construction 2. MPR, student union & food service improvements 3. Staff & community support spaces
		Student Survey:
		MPR Bike / Car parking & drop off Outdoor Learning Courts, Quads & Gardens
		Common Priorities: 1. Modernize / Reconfigure Existing Classrooms, 2. MPR, Student Union & Food Service Improvements 3. Bike / Car Parking & Drop-Off
	5.05	SFMPAC Prioritization Activity & Voting Outcomes Discussion
		Davis SHS has received the most votes-also has largest affect to all students Korematsu and Montgomery have least votes-newer sites that don't require major renovations
	5.03	Next Steps:
		Board of Education Engagement: BOE Draft FMP-presentation May 17 7:00-10:00 BOE Final FMP-presentation June 21st 7:00-10:00
		Submitted by: Ben McGuirl



