

Measure J Update



10/20/2021



Projects in Process Series A and B

- Technology Remodel (State Funds \$6.3M Bond Funds \$2.1M)
 - Construction began – March 2021
 - Construction complete – March 2022
 - Program move in – June 2022
- Scenario Village
 - Construction began – August 2021
 - Project Complete – October 2021
 - Ribbon Cutting – November 17, 2021

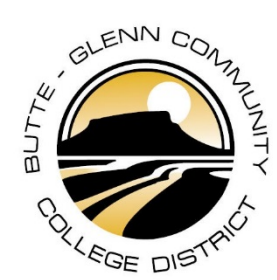
Mathematics Building AKA (Technology Building) – Opens August 2022





Mathematics Building ~ June



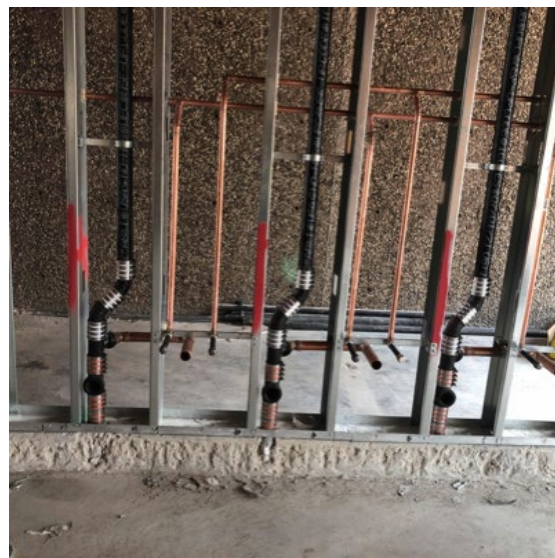
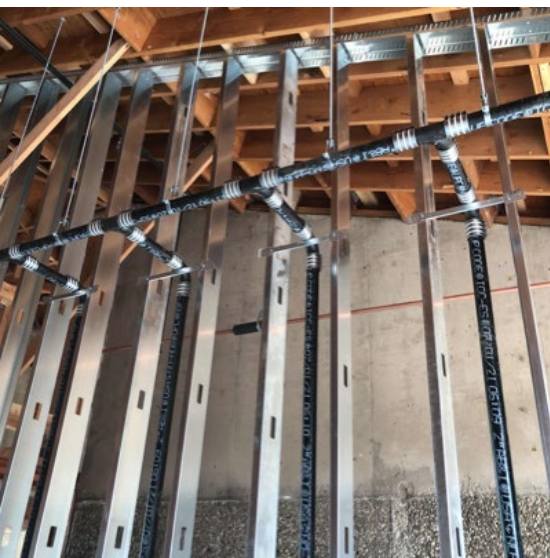


Mathematics Building ~ July



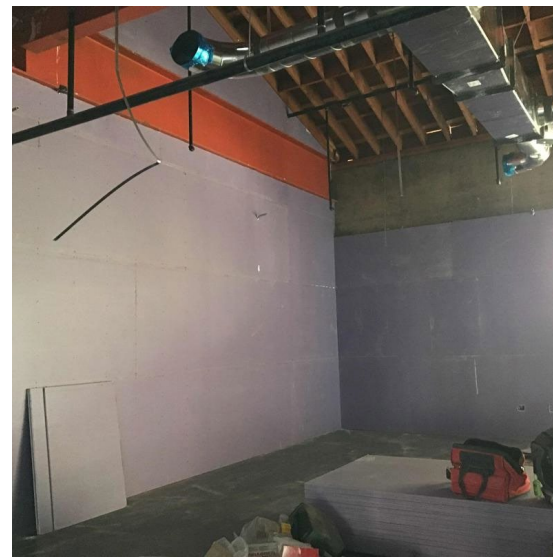


Mathematics Building ~ August





Mathematics Building ~ September



Scenario Village Construction



Modular
#3

Modular
#2

Modular
#1

Modular
#4

Modular
#5

Restrooms

Shade
Structure

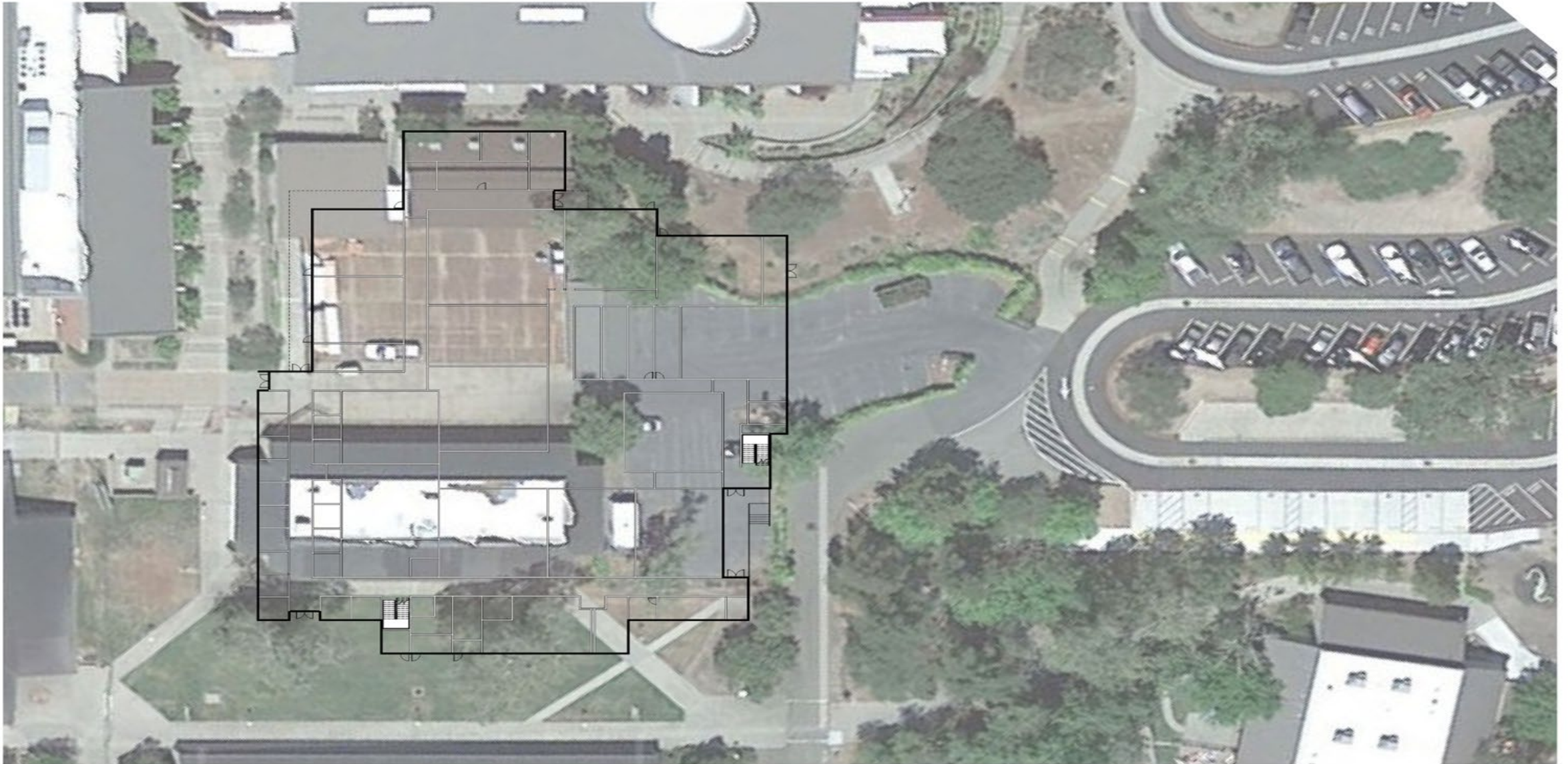
Scenario Village Construction



Science Building

- RFQ for Design Build Team Issued – September 2021
- RFQ Due Date – October 12, 2021
- RFQ Interviews of top 6 firms – October 25 – 26 2021
- RFP Issued to top 3 DBE Teams – November 9, 2021
- RFP Response due – December 14, 2021
- RFP Interviews – January 6, 2022
- Board Approval of our Design Building Team – February 2022
- Pre-construction Phase – February 2022 – August 2022
- Board Approval of GMP – September 2022
- Construction Phase – September 2022 – December 2024
- Move In Phase (From LS & PS) – January 2025 – August 2025

Science Project Budget ~ Test Fit



Science Project ~ Budget

ATTACHMENT "E"

DATE: 09/15/21
PREPARED BY: David Shirah

**New Science Building Project No. 170690
BUTTE-GLENN COMMUNITY COLLEGE
PROJECT COST ESTIMATE**

GROSS BUILDING SF: 66,404
ASSIGNED (PROGRAMMED) SF: 50,831
SITE SF: 53,552
NET-TO-GROSS EFFICIENCY RATIO: 77%

ITEM	DESCRIPTION	QUANTITY	UNIT	SUBTOTALS	TOTAL PRICE	COST/SF
Direct Construction Cost						
1	Design-Build Entity Direct Construction Costs					
	Preconstruction					
	Design Fees Preliminary Plans/Preconstruction	1	LS	\$768,870		\$11.58
	Project Management Preconstruction	1	LS	\$640,724		\$9.65
2	Design Progressive Design-Build (CDs)	1	LS	\$3,075,479		\$46.31
3	Progressive/Construction Design-Build Services (GMP)	1	LS	\$48,209,304		\$726.00
4	Demolition "Old Auto" Bldg./Site	1	LS	\$225,000		\$3.39
5	Site (Immediate Building Site)	1	LS	\$1,178,144		\$22.00
6	Solar	1	LS	\$3,600,000		\$54.21
7	PG&E New Electric Service	1	LS	\$50,000		\$0.75
8	SMART Classrooms					\$0.00
9	Large Classrooms (5@ \$38,994/Classroom)	1	LS	\$194,970		\$2.94
10	Small Classrooms (31@ \$37692/Classroom)	1	LS	\$1,155,122		\$17.40
11	Conference/Training Rooms (4@ \$4969/Classroom)	1	LS	\$19,876		\$0.30
12	Subtotal Direct Design/Construct Costs			\$59,117,489		\$890.27
13	Contingency Direct Costs (13%)			\$7,685,274		\$115.74
14	Total Design/Construct Cost				\$66,802,763	\$1,006.01
15	District Direct Costs					
16	Signage	1	LS	\$52,000		\$0.78
17	Window Coverings	1	LS	\$90,000		\$1.36
18	FFE	1	LS	\$1,130,683		\$17.03
19	Subtotal District Direct Costs			\$1,272,683		\$19.17
20	Contingency District Direct Costs (15%)			\$190,902		\$2.87
21	Total District Direct Construct Cost				\$1,463,585	\$22.04
TOTAL DIRECT CONSTRUCTION COSTS				\$68,266,348		\$1,028.05

Indirect Construction Costs					
22	Geotechnical	1	LS	\$27,000	\$0.41
23	Special Inspections	1	LS	\$194,000	\$2.92
24	Commissioning	1	LS	\$166,010	\$2.50
25	Project Development/Construction Management Fees (4%)	1	LS	\$2,730,654	\$41.12
26	DSA Fees (\$66,802,763 Direct Const. Cost)	1	LS	\$474,218	\$7.14
27	DSA Inspector	1	LS	\$84,000	\$1.26
28	Environmental Approvals(CGS Review)	1	LS	\$3,600	\$0.05
29	Builder's Course of Construction Insurance	1	LS	\$25,000	\$0.38
30	Legal	1	LS	\$80,000	\$0.90
31	Subtotal Indirect Design/Construct Costs			\$3,764,482	\$56.69
32	Contingency Indirect Costs (15%)			\$564,672	\$8.50
TOTAL INDIRECT CONSTRUCTION COSTS				\$4,329,154	\$65.19

Total Direct & Indirect Costs	\$72,595,502	\$1,093.24
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Butte College Program & Equipment Costs		
33	Science Equipment	1 EA \$250,000
TOTAL BUTTE COLLEGE SCIENCE PROGRAM EQUIPMENT COSTS		\$250,000

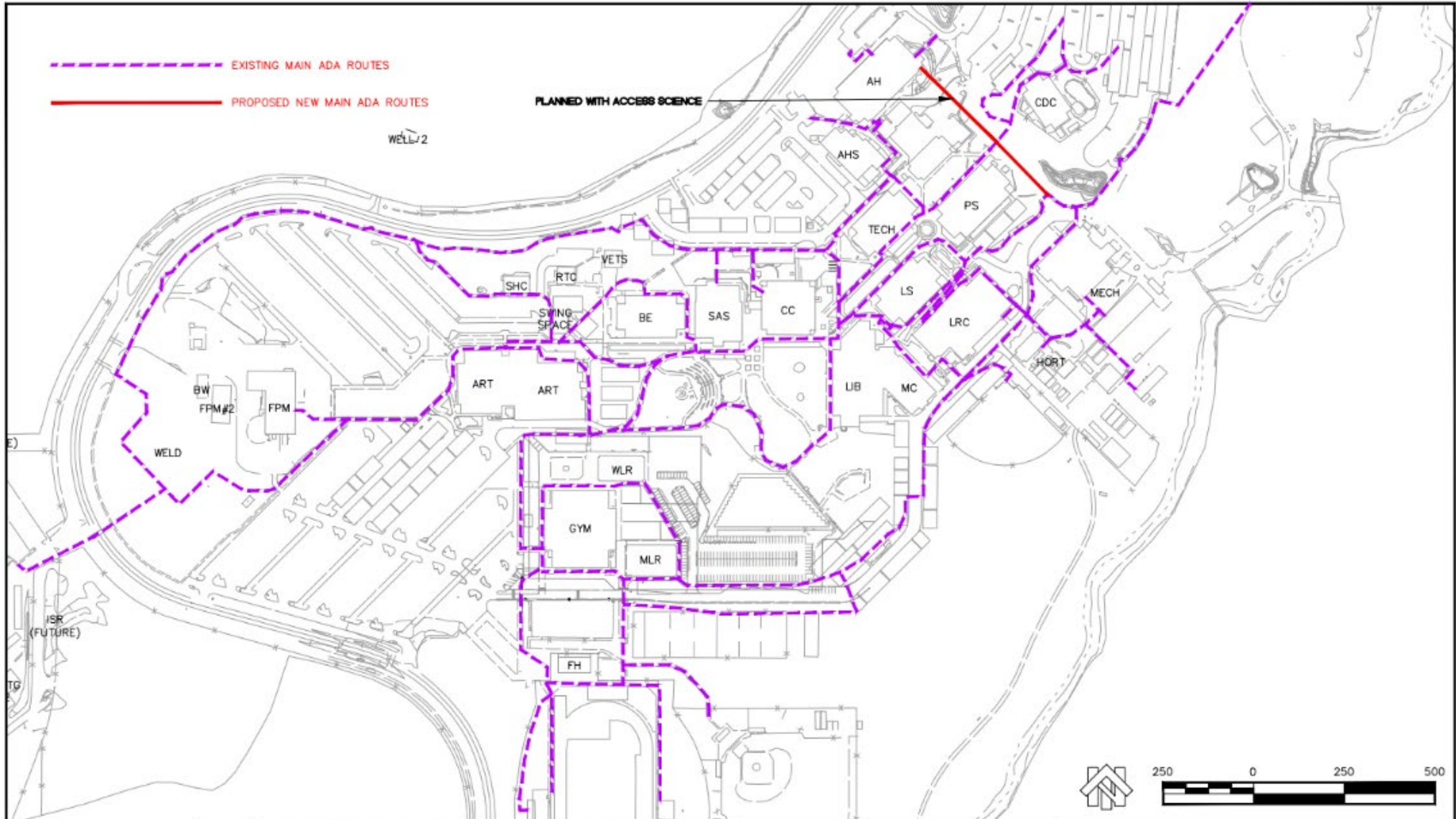
TOTAL PROJECT COST	\$72,845,502
TOTAL PROJECT BUDGET	\$73,000,000
PROJECT COST VARIANCE	\$154,498

\$72,845,502 Time Value of Monies from 09-15-2021		
(1) Year @ 3% Yearly Inflation Rate	1.0300	\$75,030,867
Total Project Budget		\$73,000,000
Project Cost Variance		-\$2,030,867
(2) Years @ 3% Yearly Inflation Rate	1.0609	\$77,281,793
Total Project Budget		\$73,000,000
Project Cost Variance		-\$4,281,793

Implementation of Series B

- Facilities Infrastructure Upgrade
 - ADA Pathway Improvements
 - Storm Drain Repairs Phase III (Parking Lot 4) – Design – Summer 2022
 - Gasline Phase IV – Completed with Series C
 - Replacement of underground storage tank with above ground tanks - May – December 2021
 - Campus Drive Overlay/Repair - May – December 2021
- IT Upgrades
 - **Smart Classrooms:**
 - Skyway Center is 70% completed. We are still waiting on equipment to arrive to finish completely. All classrooms are up and running.
 - **Phone/Voip** - UPS systems were purchased and still arriving.
 - **Network** - Replace aging network switches connected to the server and storage equipment in the data centers to increase backbone switching capacity, provide better redundancy and allow for future disaster recovery design options. – Equipment has been ordered and 50% installed
 - **Servers/Infrastructure** - Server lifecycle replacement for 15 servers – March 2022. These server support our infrastructure.
 - **Continue Computer LifeCycle Refresh** – In progress with regards to one computing device per person.

ADA Upgrades – To Be Completed



Designed	
Drawn By:	RMS
Approved:	
Date:	10-04-2021



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 PHONE: (530) 893-1600 www.northstareng.com

BUTTE COLLEGE
 3536 BUTTE CAMPUS DRIVE
 CHICO, CALIFORNIA

ADA EXHIBIT

BUTTE COLLEGE

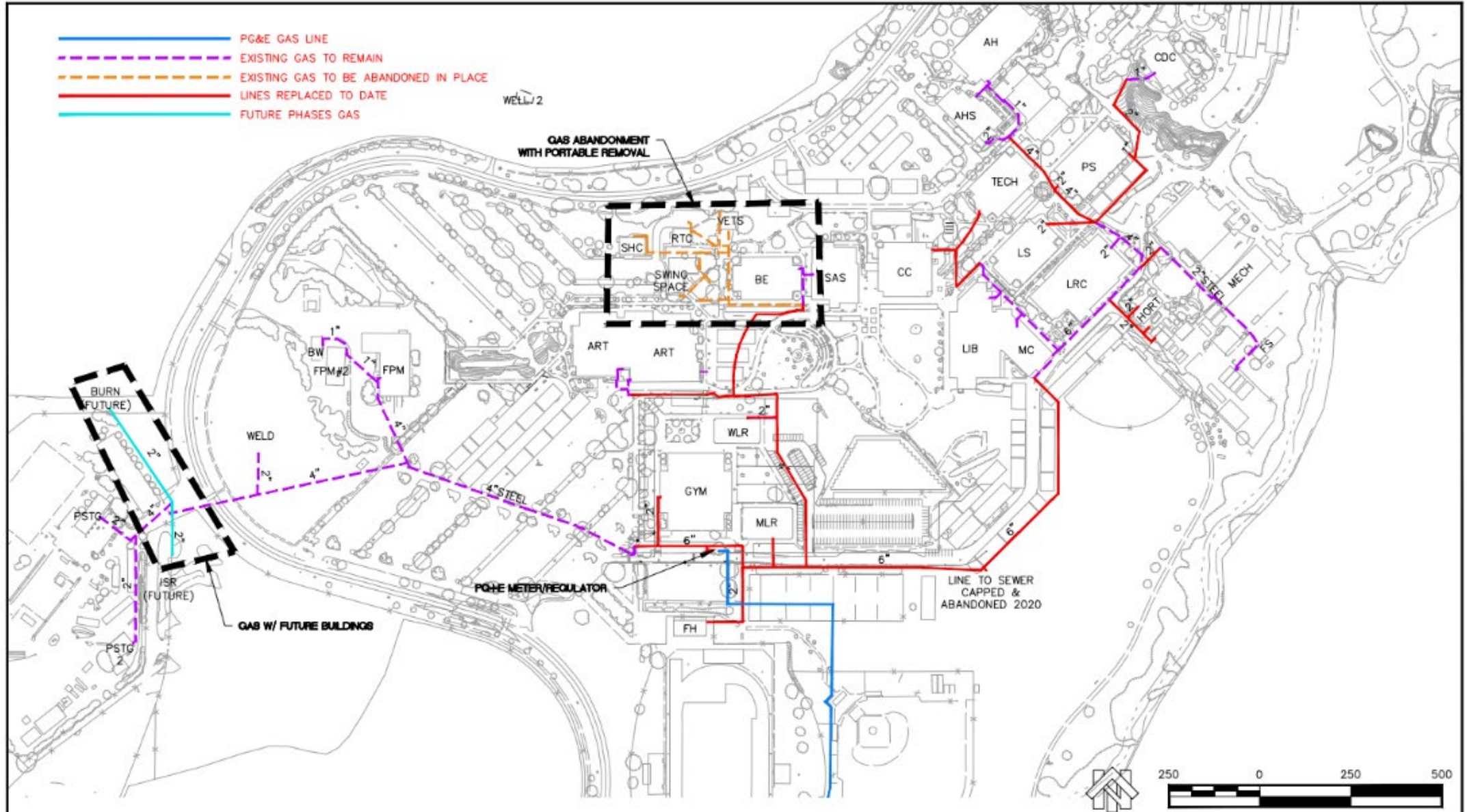
APN Number
000-000-000

Job Number
19-279

Scale
1" = 250'
Horz. N/A
Vert.

Sheet 1 of 1

Gas Line Replacement – Next Phase



Designed:	RMS
Drawn By:	RMS
Approved:	
Date:	10-4-2021

NORTHSTAR
Designing Solutions

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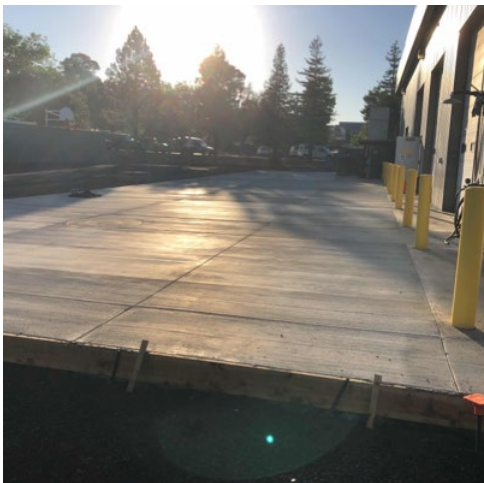
BUTTE COLLEGE
 3536 BUTTE CAMPUS DRIVE
 CHICO, CALIFORNIA

GAS EXHIBIT			
BUTTE COLLEGE			
APN Number 000-000-000	Job Number 16-278	Scale T-250 Horz. N/A Vert.	Sheet 1 of 1

Campus Drive Overlay/Repair



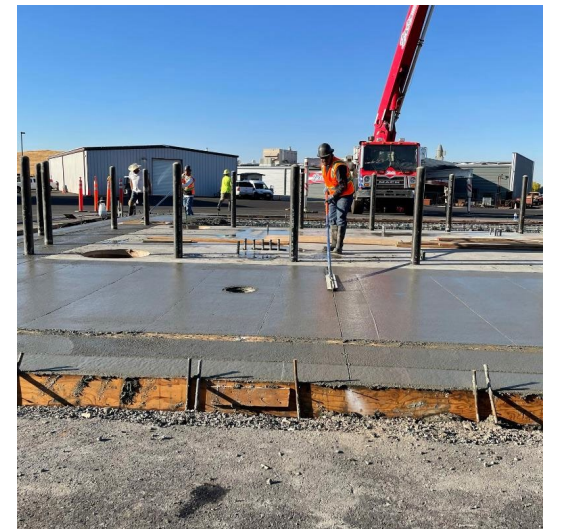
Campus Drive Overlay/Repair (Cont'd)



Above/Underground Fuel Tank Project



Underground Storage Tank Removal/Replacement



Construction Challenges

- COVID-19
 - COVID Outbreaks:
 - In the past two months, numerous outbreaks have occurred with General Contractors and their subcontractors that had to be managed and scheduled around. This has caused delays in material deliveries and delays in our projects, which both amount to cost impacts. (Fuel Tank & Insulation & Concrete & Electrical Supplies)
 - Materials:
 - During that 12 months, suppliers were working off their inventories that were not being replenished because of COVID interrupting production and manufacturing.
 - Once inventories were exhausted, the District's contractor's experienced and still are experiencing long lead times (more than double normal) with price increases as much as 200-300% on some materials.
 - Some supply chains are disrupted to point alternate materials are being selected to meet project schedules
 - Fires and Hurricanes are depleting inventories
 - Labor
 - Construction labor shortages are apparent according to feedback from Contractors and Subcontractors
 - Project impacts for District due to labor shortages
 - Skilled Workforce requirements for Bond Design-Build project remains a challenge
- Maintaining Established Bond Project Budgets - "Backing" into established budgets
- Many "*Hard Bid*" contractors bidding projects with low or no margins then looking to pick up their margin through change orders making managing a project very difficult and more time consuming for the District
 - Challenge is to ensure Contract Documents (plans match the specifications) are complete without a lot of "Scope Gap"
 - "Hard Bid" projects we can expect 15-30% on average change orders
- DSA
 - Still Short handed – turn around time for project approvals an uncertainty in scheduling projects
 - New Seismic Review (Buildings Built prior to 1970 earthquake)
 - New Wildfire Designations

Construction Challenges (Cont'd)

Cost Escalation

- Building material prices have increased 19.4% during the past 12 months and 13% year to date
- Producer Price Index (PPI) average change in the building materials between January and July was +1.2%
- Steel mill products prices climbed 10.8% in July following a 6.2% increase in June
 - Prices have climbed 108.6% over the past 12 months and 87.6% in 2021 alone.
- Drops in framing lumber prices in recent months, overall.
 - PPI for softwood lumber has fallen 29.5% from its peak but remains 71.9% above its January 2020 level.
- Gypsum products increased 2.5% in July and are up 15.8% year to date - the largest 12-month increase since July 2006
- Ready-mix concrete prices were unchanged in July (seasonally adjusted) after increasing 1.1% in June.



Our Plan

- Continue to embrace the Design-Build delivery method to shift risk of cost escalations, labor shortages and "Scope Gap" to contractor and designer as one entity
- Manage project budgets and contingencies by "designing" to funds available
- Plan for current and future cost escalations
- Estimate "time value of money" into cost estimates for future projects
- Continue to embrace all construction delivery systems and choose based on what is best for the District at the time. (Not one size fits all)
- As we design, utilize District Standards and focus on energy efficiency to help with total cost of ownership of the building.
- KISS every project (Keep It Simple Strategy)



Cash Flow

	Revised	Project	2018-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2022	2019-2020	2020-2021	2021-2022	Status	Percentage Spent/Encumbered	
			Series A	Series A	Series A	Series A	Series A	Series A	Series B	Series B	Series B			
Measure J Project	Measure J \$\$\$	Measure J Budget	Budget -	Expended	Expended	Expended	Expended	Expended	Expended/Encumber	Expended	Expended	Expended/Encumber		
Welding Building	\$ 23,000,000	\$ -	\$ 23,000,000.00	\$ 136,953.37	\$ 3,253,242.54	\$ 14,842,860.96	\$ 4,236,239.82	\$ 537,804.00	\$ -	\$ -	\$ -	Complete		
Byway Center Remodel	\$ 5,300,000	\$ -	\$ 5,300,000.00	\$ 100,512.50	\$ 1,045,024.20	\$ 647,083.00	\$ 51,134.04	\$ 54,347.00	\$ -	\$ -	\$ -	Complete		
Athletics	\$ 12,300,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
Field House/Pressbox														
Series A			\$ 7,500,000.00		\$ 150,289.59	\$ 4,444,949.87	\$ 3,055,228.54	\$ (1,355.37)	\$ -	\$ -	\$ -	Complete		
Series B			\$ 3,000,000.00		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Complete		
Facilities Infrastructure	\$ 21,700,000	\$ -	\$ -						\$ 2,000,000.46	\$ -	\$ -			
Utility Infrastructure (Includes Walkway Lighting)														
Series A			\$ 850,284.00	\$ 5,050,284.00	\$ 41,444.00	\$ 368,025.16	\$ 812,721.78	\$ 2,358,052.79	\$ 387,203.35	\$ 400,932.19	\$ -			
Campus Drive Repairs												In Progress		
Underground Storage Tank Replacement												In Progress		
Series B			\$ 701,735.00	\$ 6,701,735.00							\$ 290,063.60	\$ 4,149,137.11	\$ 1,636,142.57	In Progress
Storm Drain Repair/Replacement (Campus Wide)												In Progress		
Campus Infrastructure												In Progress		
Gasline Replacements												In Progress		
Emergency Lighting Repairs												Complete		
Sidewalk Repairs/ADA Sidewalk Upgrades												In Progress		
Sewerline and Septic Repairs/Replacement (Campus Wide)												In Progress		
Roadway/Parking Lot Repairs/Refurbish												In Progress		
Campus Drive Repairs												In Progress		
Irrigation Failures												Complete		
Electrical Infrastructure Repairs												In Progress		
Roofing Systems Repairs/Replacements												In Progress		
Campus Drive Repairs												In Progress		
Underground Storage Tank Replacement												In Progress		
Paving/ADA Construction			\$ -	\$ 2,800,000.00		\$ 523,431.66	\$ 1,821,050.25	\$ -	\$ -	\$ -	\$ -			
Athletic Parking Lot/Service Road												Complete		
IT Upgrades	\$ 11,000,000	\$ -	\$ -	\$ 2,000,000.00	\$ 244,031.33	\$ 988,390.03	\$ 755,097.38	\$ 12,481.00	\$ -	\$ 595,002.70	\$ 591,114.27	\$ 238,308.21	Complete	
Series A				\$ 2,000,000.00										
Series B				\$ -										
Science Building	\$ 73,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,080.00	\$ 125,895.58	\$ 84,000.00	In progress	
Series B				\$ 32,000,000.00										
Life Science Remodel	\$ 10,300,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Physical Science Remodel	\$ 10,300,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Technology Building Remodel	\$ 8,300,000	\$ 5,000,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,125,189.20	\$ 938,517.23	\$ 1,823,090.82	In progress		
Scenario Village -	\$ 1,300,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Series A			\$ 800,000.00	\$ 800,000.00				\$ 123,471.32	\$ 476,528.84	\$ -	\$ -	\$ -	In progress	
Series B			\$ 500,000.00	\$ 500,000.00				\$ -	\$ -	\$ 450,930.55	\$ 524,000.65	\$ 20,551.39	In progress	
Law Enforcement Training Center	\$ 18,300,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Remove Portables	\$ 500,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Totals	\$ 190,000,000	\$ 2,152,000.00	\$ 43,460,284.00	\$ 623,041.20	\$ 8,827,805.15	\$ 23,024,884.00	\$ 10,828,138.29	\$ 1,061,459.21	\$ 877,481.05	\$ -	\$ 6,482,826.21	\$ 8,328,896.64	\$ 3,862,882.98	
Available Interest Balance	\$ -	\$ 982,027.72	\$ -	\$ 1,462,856.24	\$ 90,871.05	\$ 559,702.70	\$ 642,135.80	\$ 151,157.19	\$ 8,058.50	\$ -	\$ -	\$ -		
Series A Interest Revenue			\$ -	\$ (800,000.00)	\$ -	\$ -	\$ -	\$ (800,000.00)	\$ -	\$ -	\$ -	\$ -		
Transfer of Interest Series A to Scenario Village Project			\$ -	\$ (850,284.00)	\$ -	\$ -	\$ -	\$ (850,284.00)	\$ -	\$ -	\$ -	\$ -		
Transfer of Interest Series A to Infrastructure Campus Drive/UST Project			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 955,063.53	\$ 231,508.85	\$ 175,000.00	\$ -		
Series B Interest Revenue			\$ -	\$ (701,735.00)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Transfer of Interest Series A to Infrastructure Campus Drive/UST Project			\$ 6,938.40	\$ 6,938.40	\$ 1,559.00	\$ -	\$ 4,378.40	\$ -	\$ -	\$ -	\$ -	\$ -		
Miso Income			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Issuance + Interest														
Series A Issuance \$\$\$		Issuance	Transferred	Actual										
Series B Issuance \$\$\$		\$ 42,300,000	\$ 45,455,264	\$ 43,280,885.01									0.995	
Series C Issuance \$\$\$		\$ 45,500,000	\$ 50,201,799	\$ 15,844,889.74									0.31	
Series D Issuance \$\$\$		\$ 48,500,000	\$ -	\$ -										
Series E Issuance \$\$\$		\$ 28,500,000	\$ -	\$ -										
Series F Issuance \$\$\$		\$ 26,500,000	\$ -	\$ -										
Total		\$ 190,000,000	\$ 95,657,000	\$ 68,905,848.75										
Total Measure J	\$ 190,000,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Sale of Series A Bonds	\$ 195,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Sale of Series B Bonds	\$ 170,410.88	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Other Income	\$ 6,938.40	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Measure J Interest Revenue	\$ 2,314,028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Total Measure J Funds with Interest	\$ 192,484,663	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		

Remaining Bond Project Sequence

Series C (March 2023 – May 2025)

- Science Building (construction) \$41M
- I.T. Upgrades \$2M
- Facilities Infrastructure Upgrades \$3M

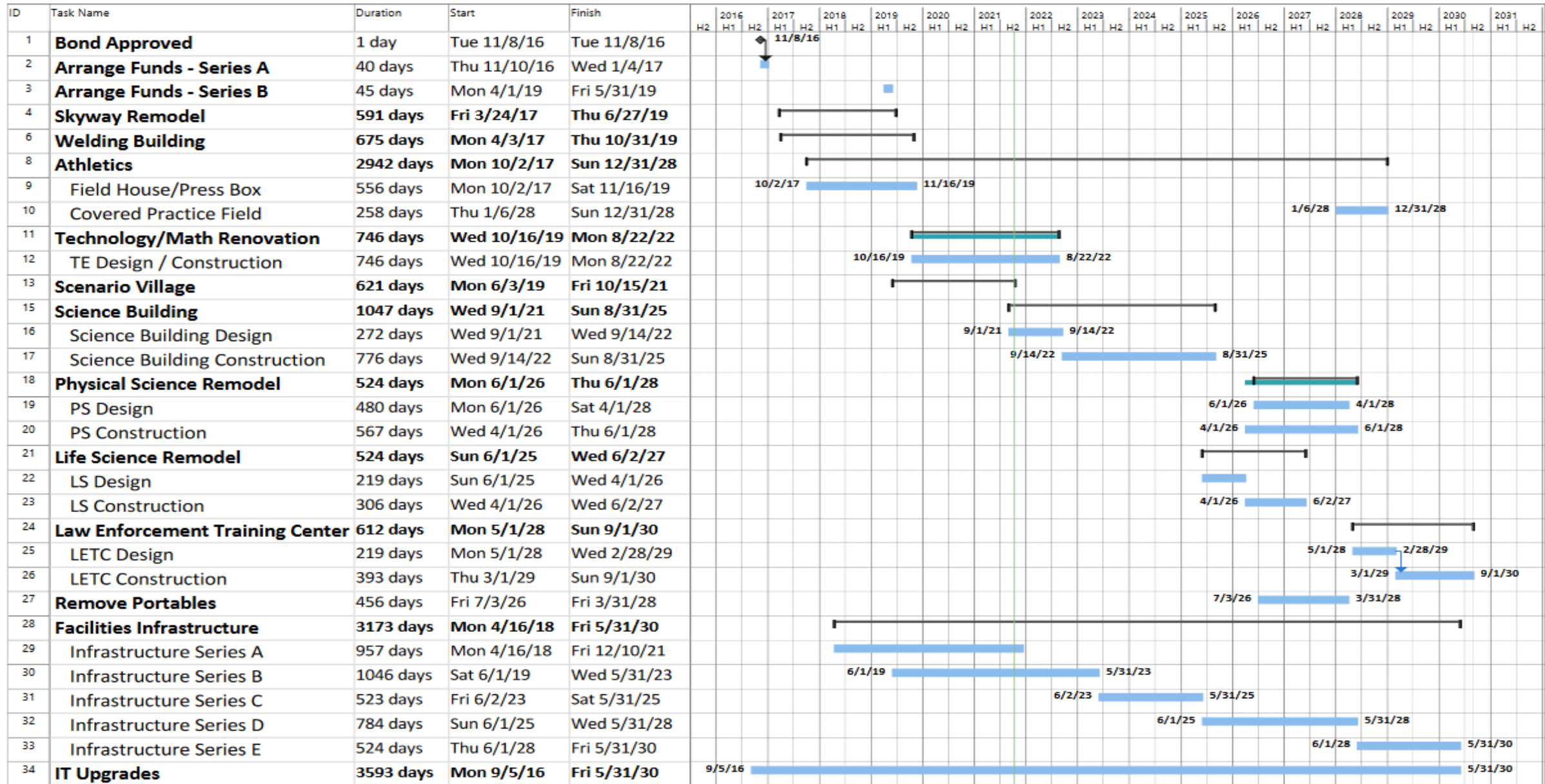
Series D (May 2025 – May 2028)

- Life Science Remodel for Veterans and Student Services - \$10M
- Physical Science Remodel - \$10M
- Removal of Portables for Veterans and Student Services - \$500K
- I.T. Upgrades - \$2.5M
- Facilities Infrastructure Upgrades - \$2.9M

Series E (May 2028 – May 2030)

- Law Enforcement Training Center - \$16M
- Athletics - \$1.5M
- Facilities Infrastructure Upgrades - \$2.8M
- I.T. Upgrades - \$2M

Bond Project Schedule – October 2021





Project Bond Allocations

- **Welding Building \$23M:** Complete
- **Skyway Center Remodel \$2M:** Complete
- **Athletics \$12M:**
 - **Phase I - \$10.5M** — Complete
 - **Phase II - \$1.5M** This phase if the project is to add the addition of a synthetic practice field.
- **Facilities Infrastructure \$21.7M:** This project replaces the PVC gas lines, broken storm drains and sewer lines, improves deteriorated parking lots and service roads, and makes upgrades to meet newer accessibility requirements, mechanical repairs, energy efficiency projects.
- **I.T. Upgrades \$11M:** This project updates the College's technology infrastructure to alleviate information security issues and provides instruction technology to meet faculty and student needs.
- **Scenario Village \$1M:** Complete
- **Technology Building Remodel \$6.8M:** This project will renovate this building to provide modern classrooms to support Mathematics.



Project Bond Allocations

- **Science Building \$73M:** This project provides a new Sciences Building that meets current and projected needs for the Physical and Life Science programs.
- **Life Science Remodel for Veterans and Student Services \$10M:** This project will renovate the existing Life Science building to accommodate the Veterans Center, Safe Place, Sustainability Resource Center, Regional Testing Center and the Call Center. The result will be permanent space for all of these Student Services programs.
- **Physical Science Remodel \$10M:** This project will renovate the existing Physical Science building to accommodate classroom space for Agriculture, Natural Resources, Horticulture and MESA Programs.
- **Law Enforcement Training Center \$16M:** This project would complete the Public Safety Training Area by constructing an indoor firing range.
- **Remove Student Services Portables \$500K**



Let's Take a Tour

