Letter from the President

Peter Drucker once said “The best way to predict the future is to create it.”

That’s exactly what we here at Bakersfield College are doing with this Facilities Master Plan you are now reading. This plan is creating the future by making the right choices now. This long-range Facilities Master Plan takes into consideration facility planning in relation to Bakersfield College’s instructional goals. We have an opportunity, right now, to plan for Bakersfield College’s footprint for the next 100 years. Our deliberate decisions, our choices, our efforts, all determine Bakersfield College’s future.

In the 1950s, a group of people started envisioning what this college on the hill could be – they created a sacred learning environment with state-of-the-art buildings, lush landscaping, and even paths of travel based upon where students walked from building to building. For nearly 60 years, Bakersfield College has been a jewel on the East Bakersfield landscape, high above the rich Kern River Valley, and a stalwart icon for higher education.

Bakersfield College will not continue to be the icon for higher education for so many students who rely on us for their futures unless we continue to invest in our own. This Facilities Master Plan supports and integrates with Bakersfield College’s Educational Master Plan, and looks ahead to the next century of higher education at Bakersfield College. To ensure Bakersfield College remains relevant and important to future students, we must plan now to modernize and maintain our facilities to current standards. Bakersfield College must plan for upgrading and evolving equipment to that which meets the needs of students and their future employers. Above all, Bakersfield College must plan for growth and expansion of our services to students in communities beyond Bakersfield who have barriers to education. Yes, truly, the best way to predict the future is to create it.

This year, the newly remodeled Simonsen Performing Arts Center will be opened, and will welcome students and the community alike to a state of the art education and entertainment destination. Smaller improvements, such as air conditioning filter replacements, water and gas line replacements, and sidewalk replacements, are ongoing modernization projects which keep the college safe and energy efficient. However, there is much more work to be done. Plans are underway for a modern, friendly, and engaging STEM Success Center which will help students navigate the path toward education and careers in fields important to Kern County industry – science, technology, engineering, and mathematics. A major construction project is planned to house all of Bakersfield College’s administrative services, and will free up space for the construction of additional classrooms.

Each of these efforts is with the goal of creating Bakersfield College’s future. As you review the plans on the following pages of this Facilities Master Plan, understand each element is a deliberate effort to create the Bakersfield College of the next 100 years.
The 2013 Bakersfield Facilities Master Plan (FMP) was completed in conjunction with the Kern District Facilities Master Plan and focused on the development and recommendations for both Bakersfield College and the Delano Center. This plan, as a companion document to the Educational Master Plan was developed to estimate future campus facility needs and/or modifications.

Any Facilities Master Plan should be addressed as a dynamic and flexible document, to be reviewed on a regular basis and addressed with the understanding that institutions can change over time, components may no longer be needed or merged with related projects, and circumstances may result in some projects superseding other projects in the phasing/sequence process.

The goal of this planning update or addendum was to produce a well-conceived and justified project proposal for capital outlay expenditures. This plan carries the process an additional step, making the recommendations operational rather than merely strategic. The update focused on the centralization of services, the implementation of the proposed modifications and enhancements and broadens each project’s perspective in the developmental process.

**Overview**

This addendum began with an assessment and planning process that updated the current FMP. Focus groups and campus committees became involved, were interviewed and suggested implementation factors that enabled the College to move forward. All of the attached projects have undergone qualitative and quantitative assessment. Parking issues and the impact of pedestrian circulation have been assessed and suggested modifications proposed. The addendum positions the College to take the next step in the planning process. It provides direction in implementing the projects determined to be part of the Phase I development of the campus. It supports facilities development and decision-making for the immediate future. It establishes building parameters and meets State educational codes and fulfills Title Five standards.

Presentations were made to the College Council and to the President’s Cabinet. In addition to the data and other information supplied by the College, information and input was gathered through formal and informal conversations and presentations. This input provided a sense of vision to the process. Issues related to the timing of projects has taken a front seat in the discussion.

While the purpose of the addendum was to further develop for implementation some of the projects identified in the FMP, this update to FMP is intended to address the building/construction programs in a sequenced/phased process. This will minimize disruption to students and to the campus community. It also focused on the ability to provide interim space and addressed the impact of secondary effects. The plan update also took into consideration the efficiency measures related to load ratios and state standards.

This addendum to the FMP is a tribute to the contributions of many individuals and groups, both from the campus community and through District support.
Bakersfield College

Projects
1. Maintenance & Operations
2. STEM Grant Building
3. ABC Building
4. A: Math / Science / Engineering (Phase 1)  B: Math / Science / Engineering (Phase 2)
5. A: Student Services (Welcome Center)  B: Student Services (Student Support Services)
6. A: Ag Engineering / Horticulture / Pedestrian Elevator  B: Horticulture Field Labs  C: New Service Access
7. Language Arts Renovation
8. Archives (in Library)
9. Fine Arts Renovation
10. A: Women’s Field House  B: Future Pad for Womens Club House  C: Field Improvements
11. Parking / Fields Relocation
12. Entry Option
13. Planetarium/Allied Health/Classroom Building

Projects
AH Allied Health
AST Applied Science Technology
AT Auto Technology
B Business
CC Campus Center
CDC Child Development Center
CH Club House
F Forum
FCC Finison Conference Center
FCE Family & Consumer Education
FH Field House
GYM Gym
H Humanities
L Library
SAM Speech Arts Music
MAINTENANCE AND OPERATIONS

The new M & O building will replace the current metal structure and centralize functions residing in outlying buildings into a common facility thereby promoting communication and better efficiency of services. The new building will house M & O, Print Shop and mail room. In addition, this building will increase operational spaces for storage of equipment and supplies as well as facilitation of repair functions.

### PROJECT 1

**The new M & O building will replace the current metal structure and centralize functions residing in outlying buildings into a common facility thereby promoting communication and better efficiency of services. The new building will house M & O, Print Shop and mail room. In addition, this building will increase operational spaces for storage of equipment and supplies as well as facilitation of repair functions.**

**Estimated Capacity**
- ASF
- GSF
- Office/Office Serv: 600
- Meeting Room: 300
- Shop Logistics: 1,700
- Shop M & O: 9,000
- Shop Grounds: 1,500
- Shop Other: 300
- Lounge: 750
- Total: 14,150

**Projected Cost**
- $3,767,000

**Locally Funded Project**

1. Maintenance & Operations
2. AABC Building
3. Language Arts
4. Future Building Pad
5. Library
6. Campus Center

### PROJECT 2

**STEM GRANT BUILDING**

**Science, Technology, Engineering, Math**

The STEM program is designed to increase the number of Bakersfield College students enrolled in STEM curriculums. The STEM program identifies effective approaches for implementing STEM teaching and learning activities, facilitating the adoption of effective STEM instructional practices, promoting experiences that prioritize hands-on learning opportunities and focusing student achievement in STEM fields. The Center provides outreach, counseling and guidance thereby promoting successful student experience in the application of STEM subjects.

This building becomes the core of a strong "STEM NEIGHBORHOOD".

**Estimated Capacity**
- ASF
- GSF
- Math Lab: 210
- Studio Service: 280
- Study Center: 1,500
- Offices: 485
- Service Kitchen: 150
- Total: 2,605

**Projected Cost**
- $1,636,431

**Locally Funded Project**

1. STEM Grant Building
2. Math / Science / Engineering (Phase 1)
3. Math / Science / Engineering (Phase 2)
4a. AG Engineering / Horticulture / Pedestrian Elevator
4b. Fine Arts
5. Planetarium/Allied Health/Classroom Building
6a. Allied Health
7. ART Applied Science Technology
8. Auto Technology
ABC BUILDING

A new ABC Building is recommended to consolidate widely dispersed Administrative functions, facilitate the relocation and centralization of Culinary Arts, replace the Bookstore and add a large conference/meeting room to the campus.

The "ABC" building construction will require:
- the demolition and temporary relocation of the Bookstore and Fiscal operations
- the Bookstore to use swing space in the lower floor of Language Arts and Fiscal Operations relocates to inactive space in Levinson Hall.

The relocation of functions currently housed in Building 1, Administration permits the repurposing of the vacated space into a Student Services "Welcome Center".

Estimated Capacity   ASF     GSF
Administration   9,000Assembly/Conference 4,500Culinary Arts  4,500Bookstore  8,600
Total 26,600  40,923

Projected Cost $17,289,967

Locally Funded Project

MATH, SCIENCE & ENGINEERING REPLACEMENT

The 2013 Facilities Master Plan identified the need for the expansion and modernization of both Science and Mathematics programs. All programs in these Departments have outgrown their facilities. Mathematics requires a significant increase in number of classrooms and the Sciences typically operate in sub-standard facilities (constructed in 1956). This new building project would accommodate growth in both Mathematics and the Sciences. The project proposal is for a single or dual building structure. Phase 4a for the Sciences and Engineering and Phase 4b for Mathematics. Phasing of the construction will allow the Project to move forward without requiring additional costs for swing space.

Estimated Capacity   ASF     GSF
Lecture 18,350Labs 37,401Office/Off Serv 5,800Reading/Study 3,000AU/TV 3,000Meeting Room 1,900Lounge 350710 Space 440
Total 69,742  103,183

Projected Cost $65,108,473

State and Local Funded

PROJECT 4

MATH, SCIENCE & ENGINEERING REPLACEMENT

The 2013 Facilities Master Plan identified the need for the expansion and modernization of both Science and Mathematics programs. All programs in these Departments have outgrown their facilities. Mathematics requires a significant increase in number of classrooms and the Sciences typically operate in sub-standard facilities (constructed in 1956). This new building project would accommodate growth in both Mathematics and the Sciences. The project proposal is for a single or dual building structure. Phase 4a for the Sciences and Engineering and Phase 4b for Mathematics. Phasing of the construction will allow the Project to move forward without requiring additional costs for swing space.

Estimated Capacity   ASF     GSF
Lecture 18,350Labs 37,401Office/Off Serv 5,800Reading/Study 3,000AU/TV 3,000Meeting Room 1,900Lounge 350710 Space 440
Total 69,742  103,183

Projected Cost $65,108,473

State and Local Funded

PROJECT 4

MATH, SCIENCE & ENGINEERING REPLACEMENT

The 2013 Facilities Master Plan identified the need for the expansion and modernization of both Science and Mathematics programs. All programs in these Departments have outgrown their facilities. Mathematics requires a significant increase in number of classrooms and the Sciences typically operate in sub-standard facilities (constructed in 1956). This new building project would accommodate growth in both Mathematics and the Sciences. The project proposal is for a single or dual building structure. Phase 4a for the Sciences and Engineering and Phase 4b for Mathematics. Phasing of the construction will allow the Project to move forward without requiring additional costs for swing space.

Estimated Capacity   ASF     GSF
Lecture 18,350Labs 37,401Office/Off Serv 5,800Reading/Study 3,000AU/TV 3,000Meeting Room 1,900Lounge 350710 Space 440
Total 69,742  103,183

Projected Cost $65,108,473

State and Local Funded
STUDENT SERVICES

The goal was to consolidate student services. However, this was to be represented by a “front end” component, a Welcome Center convenient to the edge of campus and short-term parking. The second component was the “big tent” concept merging the remaining student support services into a common facility.

The Welcome center would house Admission & Records, Assessment, Financial Aid and Outreach. The Big Tent would house EOPS, DSPS, Care, CalWorks, Career & Placement, Transfer Center, Counseling, Health Services, Bursar’s Office and Basic Skills (including the Reading/Writing Centers, Math labs, tutoring, etc.)

The process involves repurposing Building #5a for the Welcome Center and Building #9 for Big Tent projects.

Building 5a: Welcome Center

<table>
<thead>
<tr>
<th>Estimated Capacity</th>
<th>ASF</th>
<th>GSF</th>
</tr>
</thead>
<tbody>
<tr>
<td>A &amp; R</td>
<td>3,316</td>
<td></td>
</tr>
<tr>
<td>Assessment</td>
<td>3,494</td>
<td></td>
</tr>
<tr>
<td>Financial Aid</td>
<td>3,834</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>10,644</td>
<td>16,367</td>
</tr>
</tbody>
</table>

Projected Cost: $4,789,000

Building 5b: Current Scheduled Occupants

<table>
<thead>
<tr>
<th>Estimated Capacity</th>
<th>ASF</th>
<th>GSF</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wk Room</td>
<td>250</td>
<td></td>
</tr>
<tr>
<td>Large Tutor Lab</td>
<td>700</td>
<td></td>
</tr>
<tr>
<td>Online Tutoring</td>
<td>200</td>
<td></td>
</tr>
<tr>
<td>6 Basic Skills Clrm</td>
<td>7,300</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>10,750</td>
<td></td>
</tr>
</tbody>
</table>

Possible Replacement Space

Subject to Consideration

<table>
<thead>
<tr>
<th>Estimated Capacity</th>
<th>ASF</th>
<th>GSF</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bursar’s Office</td>
<td>920</td>
<td></td>
</tr>
<tr>
<td>Basic Skills</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Office</td>
<td>1,200</td>
<td></td>
</tr>
<tr>
<td>Wk Room</td>
<td>250</td>
<td></td>
</tr>
<tr>
<td>Large Tutor Lab</td>
<td>700</td>
<td></td>
</tr>
<tr>
<td>Online Tutoring</td>
<td>200</td>
<td></td>
</tr>
<tr>
<td>6 Basic Skills Clrm</td>
<td>7,300</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>10,750</td>
<td></td>
</tr>
</tbody>
</table>

Remaining Available Space: 2,500

Grand Total: 10,570

Projected Cost 5a: $4,789,000

Project Cost 5b: $18,965,840

Total: $23,754,840

State and Local Funded: $4,789,000

A repurposed Student Services building (#5b) will accommodate remaining functions as “support services”. This building represents integrated support functions easily accessible from all areas of the campus.
### AGRICULTURE

The current building/s have been unable to meet student demand as well as accommodating the development of new courses/programs. In 2010/11 the average section size was 40 enrollments (up from 30 in 2007/08). Plans are to expand the curriculum to a Mechanized Agriculture Shop. This would include courses in: Agriculture Mechanics, Welding Fabrication, Small Engine Power and Repair, Irrigation, Equipment Operation, etc. The new facility would include Horticulture and occupy the same building pad as presently located.

<table>
<thead>
<tr>
<th>Estimated Capacity</th>
<th>ASF</th>
<th>GSF</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shop</td>
<td>2,000</td>
<td></td>
</tr>
<tr>
<td>3 Labs @ 2,700 ASF</td>
<td>8,100</td>
<td></td>
</tr>
<tr>
<td>2 Classrooms @ 800</td>
<td>1,600</td>
<td></td>
</tr>
<tr>
<td>Office/Serv</td>
<td>900</td>
<td></td>
</tr>
<tr>
<td>Wk Rm with Sink</td>
<td>250</td>
<td></td>
</tr>
<tr>
<td>Horticulture Lab</td>
<td>2,000</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>14,850</td>
<td>21,214</td>
</tr>
</tbody>
</table>

**Projected Cost** $12,123,160

### LANGUAGE ARTS REMODEL

Constructed in 1968, the building has undergone many program changes, a growth in disciplines and/or new programs added. The existing building needs to be brought up-to-date, modernized with new technology introduced.

<table>
<thead>
<tr>
<th>Estimated Capacity</th>
<th>ASF</th>
<th>GSF</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lecture</td>
<td>10,341</td>
<td></td>
</tr>
<tr>
<td>Labs</td>
<td>3,597</td>
<td></td>
</tr>
<tr>
<td>Office</td>
<td>3,689</td>
<td>850</td>
</tr>
<tr>
<td>4/117</td>
<td>158</td>
<td></td>
</tr>
<tr>
<td>Lounge</td>
<td>333</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>18,568</td>
<td>43,200</td>
</tr>
</tbody>
</table>

**Projected Cost** $15,321,000

*State and Locally Funded Project*
FINE ARTS REMODEL

PROJECT 9

Constructed in 1956, this facility has had no improvements or modifications since that date. This facility has poor acoustics, an inadequate technology infrastructure and classrooms/labs without appropriate support structures. The building services Art Design, Music, Photography and Journalism.

<table>
<thead>
<tr>
<th>Estimated Capacity</th>
<th>ASF</th>
<th>GSF</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lecture</td>
<td>1,919</td>
<td></td>
</tr>
<tr>
<td>Lab</td>
<td>17,400</td>
<td></td>
</tr>
<tr>
<td>Office</td>
<td>3,461</td>
<td></td>
</tr>
<tr>
<td>Assembly</td>
<td>2,633</td>
<td></td>
</tr>
<tr>
<td>Meeting Room</td>
<td>221</td>
<td></td>
</tr>
<tr>
<td>Locker Rm</td>
<td>2,568</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>28,222</td>
<td>30,731</td>
</tr>
</tbody>
</table>

Projected Cost $15,543,000

State and Local Funded

PROJECTS SUBJECT TO OTHER CONSIDERATIONS

ARCHIVES

The size and location for Archives remains to be determined. Consideration for these facilities is to be housed in the Library, second floor.

ATHLETICS/GYMNASIUM

Consideration was given to Title Nine standards in support of facilities for women’s athletics. In order to meet the College’s core values, a plan will be developed to remodel the current Gymnasium aligning it more as a Wellness Center. Also in the planning was a competitive field dedicated to the Soccer program. Currently under review is the Football stadium along with other options.

- Women’s Field-House
- Future location for a Women’s Clubhouse
- Field Improvements

STEM Grant Building

Math / Science / Engineering (Phase 1)
Math / Science / Engineering (Phase 2)
AG Engineering / Horticulture / Pedestrian Elevator
Horticulture Field Lab
New Services Access
Fine Arts
Planetarium/Allied Health/Classroom Building
Allied Health
Applied Science Technology
Auto Technology

Maintenance & Operations

AG Engineering / Horticulture / Pedestrian Elevator
Horticulture Field Lab
Language Arts
Women’s Field House
Future Building Pad for Women’s Club House
Field Improvements
Planetarium/Allied Health/Classroom Building
Allied Health
Forums
Women’s Club House
Gymnasium
PROJECTS SUBJECT TO OTHER CONSIDERATIONS

PARKING / FIELD RELOCATION

The redistribution of parking relative to the campus core provides more direct, convenient student access to academic and student services functions. This plan moves a significant portion of the parking north along Haley Street. This provides a more direct access to the campus core. Pedestrian access would be along the South side of the library. The current soccer practice fields would be relocated to the Southwest corner of the college site. This project adds 875 student parking stalls in Lot A.

Projected Cost $5,953,500

ENTRY OPTION

Consideration of an alternative entry into the campus from Panorama Drive.

PROJECT Sequencing / Phasing

The following sequencing/phasing schedule reflects the thinking at this particular point in time. It is anticipated that the schedule will undergo revisions on a frequent basis to reflect changes in the economy, the physical impact of construction on the campus, and the availability of funding. The sequencing and costs applied to the projects found in the Table were designed to address typical construction considerations. The schedule serves as a foundation from which decision-making can take place and from which an amended program of work can be defined as appropriate.

Planning and sequencing also accounted for secondary effects and swing space necessary to accommodate construction with as little disruption and additional cost to the College. Projects were identified and prioritized, minimizing the need for any significant amount of additional swing space. Basically two building will provide almost the entire swing space necessary to maintain the construction schedule as planned. The new ABC building vacates a significant amount of space in the existing Administration Building (5a) permitting the construction of a large piece of the Student Services Renovation. Upon completion of the Math/Science/Engineering Bldg (Project 4), the existing Math Science Building (13) will have sufficient available classrooms to accommodate most of the new and renovated construction that follows.
### Table A - Bakersfield Building/Facilities Program Schedule

<table>
<thead>
<tr>
<th>PROJECT SEQUENCE</th>
<th>1st FUND YR</th>
<th>SCOPE</th>
<th>ASF</th>
<th>GSF</th>
<th>TOTAL COST</th>
<th>STATE</th>
<th>COLLEGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Maintenance &amp; Operations</td>
<td>2014/2015</td>
<td>New Construction</td>
<td>14,150</td>
<td>18,000</td>
<td>$3,767,000</td>
<td>$0</td>
<td>$3,767,000</td>
</tr>
<tr>
<td>2. STEM Grant Bldg</td>
<td>2015/2016</td>
<td>New Construction</td>
<td>2,605</td>
<td>2,800</td>
<td>$1,636,431</td>
<td>$0</td>
<td>$1,636,431</td>
</tr>
<tr>
<td>3. ABC Bldg</td>
<td>2016/2017</td>
<td>New Construction</td>
<td>26,600</td>
<td>40,923</td>
<td>$17,289,967</td>
<td>$0</td>
<td>$17,289,967</td>
</tr>
<tr>
<td>7. Language Arts Remodel for Efficiency</td>
<td>2018/2019</td>
<td>Renovation</td>
<td>18,568</td>
<td>43,200</td>
<td>$15,321,000</td>
<td>$2,800,000</td>
<td>$12,521,000</td>
</tr>
<tr>
<td>8. Archives</td>
<td>2019/2020</td>
<td>Renovation</td>
<td>1,411</td>
<td></td>
<td>$282,200</td>
<td>$0</td>
<td>$282,200</td>
</tr>
<tr>
<td>6. Agriculture</td>
<td>2020/2021</td>
<td>New Construction</td>
<td>14,850</td>
<td>21,214</td>
<td>$12,123,160</td>
<td>$9,698,528</td>
<td>$2,424,632</td>
</tr>
<tr>
<td>10. Athletics/Gymnasium</td>
<td>*</td>
<td>New &amp; Renovation</td>
<td>*</td>
<td></td>
<td>$0</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>11. Parking/Field Modification</td>
<td>2021/2022</td>
<td>Reorientation/Location</td>
<td></td>
<td></td>
<td>$5,953,500</td>
<td>$0</td>
<td>$5,953,500</td>
</tr>
<tr>
<td>12. Entry Option</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td></td>
<td>$0</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>13. Core Site Amenities</td>
<td>2016/2022</td>
<td>*</td>
<td>*</td>
<td></td>
<td>$61,522,394</td>
<td></td>
<td>$61,522,394</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td><strong>$222,301,965</strong></td>
<td><strong>$79,759,142</strong></td>
<td><strong>$142,542,823</strong></td>
</tr>
</tbody>
</table>

* Scope & Cost To Be Determined