

Mt San Antonio College
Facility Master Plan Update 2009



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DRAFT - October 12, 2010
Job No. 1503

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A. EXECUTIVE SUMMARY



The mission of Mt. San Antonio College is to welcome all students and to support them in achieving their personal, educational, and career goals in an environment of academic excellence.

A. EXECUTIVE SUMMARY

Mt San Antonio College (MtSAC) is part of the State of California Community College (CCC) system. It was established in 1946 at the site of a former military hospital. It is the largest single campus district in the system. It has one campus and 2 primary and many other small satellite sites. Current enrollment is approximately 65,000 students. The CCC system has 72 districts, each with state established service areas. Districts enroll students from within and outside of their service area.

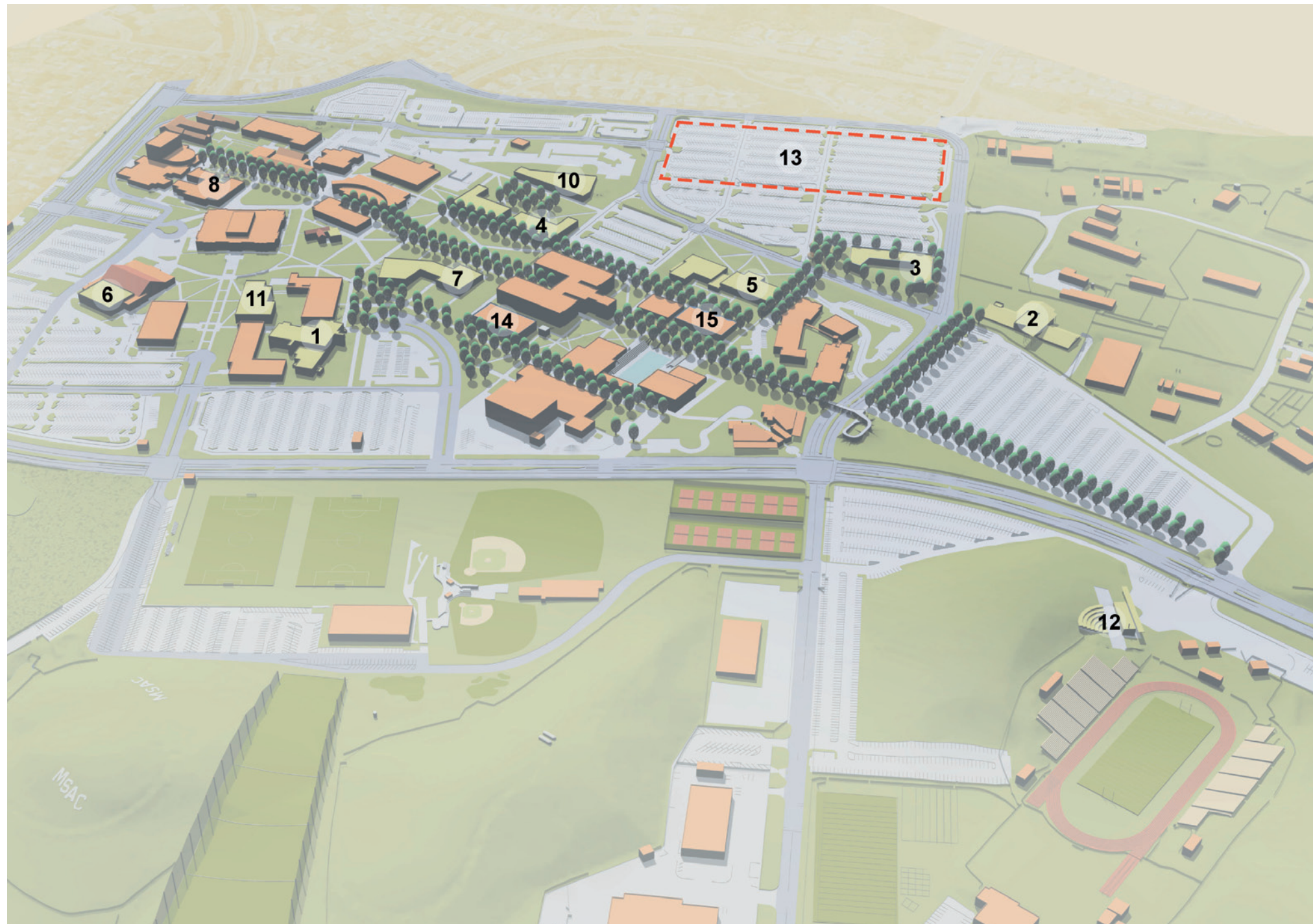
The Facilities Master Plan Update 2009 represents the collaborative results of District Facilities Planning and Management staff, District Construction Manager Bovis Lend Lease and architects to develop an overall plan for development of a pedestrian oriented campus with improved quality of open space and clear approach for implementation of built improvements. The plan incorporates previous planning strategies developed for educational master planning and facilities master planning. It provides an updated record of projects recently completed under state and bond funding, including recommendations for new project placement and planning priorities. The intent of the plan is to provide future architects and campus administrators with a meaningful basis for future campus decisions. The Facility Master Plan Update offers both flexibility and structure with an overall campus concept for the built environment, allowing for future changes in program and design specifics.

The master plan task force met between November 2009 and July 2010. Workshops were held with key District program areas to establish large scale site development needs and space projections for evaluating new building zones. Key workshops included Library/LRC, Continuing Education, Athletics, and Agriculture Science.

Previous documents referenced to create this update include the 2002 Educational Master Plan, Master Plan Update 2005, and Master Plan Update 2008.

Campus utility planning efforts and traffic studies are under way by engineering firms as part of other contracts and are not included in this plan.

B. PAST PLANNING EFFORTS

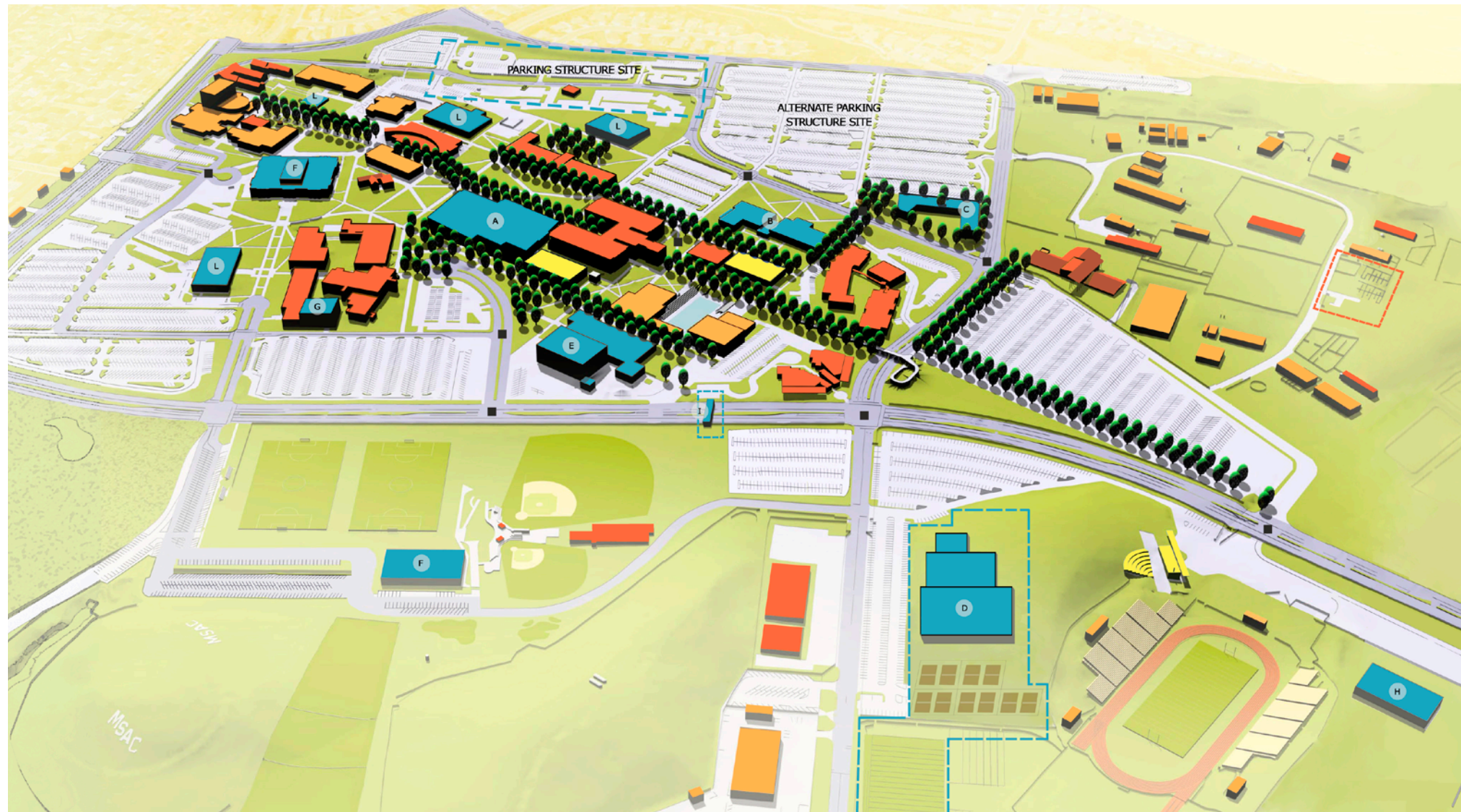


MASTER PLAN UPDATE 2005

Initiated in 2004, the Master Plan Update was completed in July of 2005 by AC Martin Partners, Inc., Community Colleges Services Group, SWA Group, and Meyer Mohaddes Associates Inc. The update reevaluated the previous 2002 Master Plan document to address changes to several of the Measure R projects and overall campus plan. The plan update identified fifteen long term campus projects keyed by number 1 through 15. It recommended a single primary axial pedestrian path from east to west (named "Miracle Mile"), terminating at the tunnel to the athletics zone. A Framework tree and plant species list was recommended according to zones established by use type: Miracle Mile, Courtyards, Cross-Axes, Parking, and Campus Edge. A Sign Plan located directional signs, campus maps, and exterior building signs. An Emergency Access Plan and Universal Access plan were also included.

PROJECT KEY

- 1 South Science Laboratory
- 2 Agricultural Sciences Complex (Main Facility Only)
- 3 Child Development Center / Early Childhood Learning Lab
- 4 Business and Computer Technology Center
- 5 Design Technology Center (includes 400 Person Assembly Space)
- 6 Gymnasium (net new space approx. 10,000 GSF)
- 7 Campus Center
- 8 Music Expansion
- 9 Off-Campus Learning Centers
- 10 Community Education Facility
- 11 North Sciences / Math
- 12 Heritage Hall
- 13 Parking Structure (2,250 spaces)
- 14 Future Class / Lab Building
- 15 Future Class / Lab Building
- * Campus Wide Infrastructure: Grounds, Landscape, Open Space Projects, Circulation System and Transportation Improvements



SITE PLAN UPDATE 2008

The Site Plan Update 2008 was completed by GKK Works. The 2005 Site Plan was reviewed and updated in July 2008. The scope of the update included changing the project list, identification methods and location changes.

2008-2009 EDUCATIONAL MASTER PLAN

In 2008 the District employed a consultant, Grace Mitchell, to work with the Institutional Effectiveness Committee to develop an Educational Master Plan. This project was completed and the final document, the *2008-2009 Educational Master Plan* was accepted by the Board of Trustees. The Educational Master Plan (the Plan) provided much of the information necessary to complete the Site Plan Update 2008 and the Facility Master Plan Update 2009.

PROJECT KEY

- A Library, Learning Resources and Campus Center
- B Business and Computer Technology
- C Child Development Center
- D Athletics Complex Phase 2
- E Career and Technical Education Building Renovation
- F Classroom Building Renovation
- G Laboratory Building Expansion
- H Fire Academy (Possible Site)
- I Public Transportation Center
- J Parking, Public Safety, and Traffic Improvements
- K Scheduled Maintenance
- L Campus-wide Improvements

- New Bond Projects
- Measure R Bond Projects
- Future Other Funds
- Existing Campus
- Intersection Improvements

C. BOND FUNDING

PROJECT LIST - Measure R

Project Name	R ID
Science - Local Portion	1
Workforce Training (cancelled)	2
Campuswide Energy	3
Off-Campus Learning Centers (cancelled)	4
Agricultural Science	5
Child Development	6
Campus Classroom Improvements - Local Portion (Buildings 7, 11, 26)	7
Business and Computer Technology	8
Design and Online Technology (FPP)	10
Physical Education / Wellness Facility, Athletic Fields and Athletic Concessions / Restroom	11
Library, Learning Resources & Campus Center	12
Student Support Services Renovation	13
Welding/Air Conditioning Programs	14
Language Center	15
Health Careers	16
Campus-Wide Improvements - Mathematics, Music and Language Arts	17

PROJECT LIST - Measure RR

Project Name	RR ID
Campus Center	A
Child Development	C
Business and Computer Technology	B
Physical Education / Wellness Facility, Athletic Fields and Athletic Concessions / Restroom	D
Career and Technical Education Building Renovation	E
Classroom Building Renovation (45)	F1
Building 6 Renovation	F2
Laboratory Building Expansion	G
Fire Academy	H
Public Transportation	I
Parking Structure (2,250 spaces)	J
Scheduled Maintenance, 5 year	K
Infrastructure Improvements	L1-A to W
Debt Retirement	L2
Temporary Space (Phase 1) - New Metal Building and Building 23 Upgrade	L3
Demolish Old Gym (3), Student Life Center (9C), Liberal Arts 2 (16), Campus Inn (8)	L4
Equipment Allowance	L5
Contingency (6%)	L6
Building 9A Renovation	L7-A
Building 12 Renovations	L7-B
Facilities Improvement Projects #1 - Facilities Plan Room	L7-C-1
Facilities Improvement Projects #2 - Food Service	L7-C-2
Facilities Improvement Projects #3 - Language Lab Expansion	L7-C-3
Construction Support	L8
<hr/>	
Future Project that are not part of Measure R or Measure RR	
Heritage Hall	
Future Classroom Building	
Farmer's Market / Lab Demonstration Building	
New Storage Building	

C. BOND FUNDING

As part of the California Community College system, the college receives funding from the state for capital projects and operations as administered by the State of California Community Colleges Chancellor's Office (Chancellor) and State of California Department of Finance. Projects projected may be fully bond funded, partially bond funded, or fully state funded.

STATE FUNDING STATEMENT

Text by Gary

MEASURE R

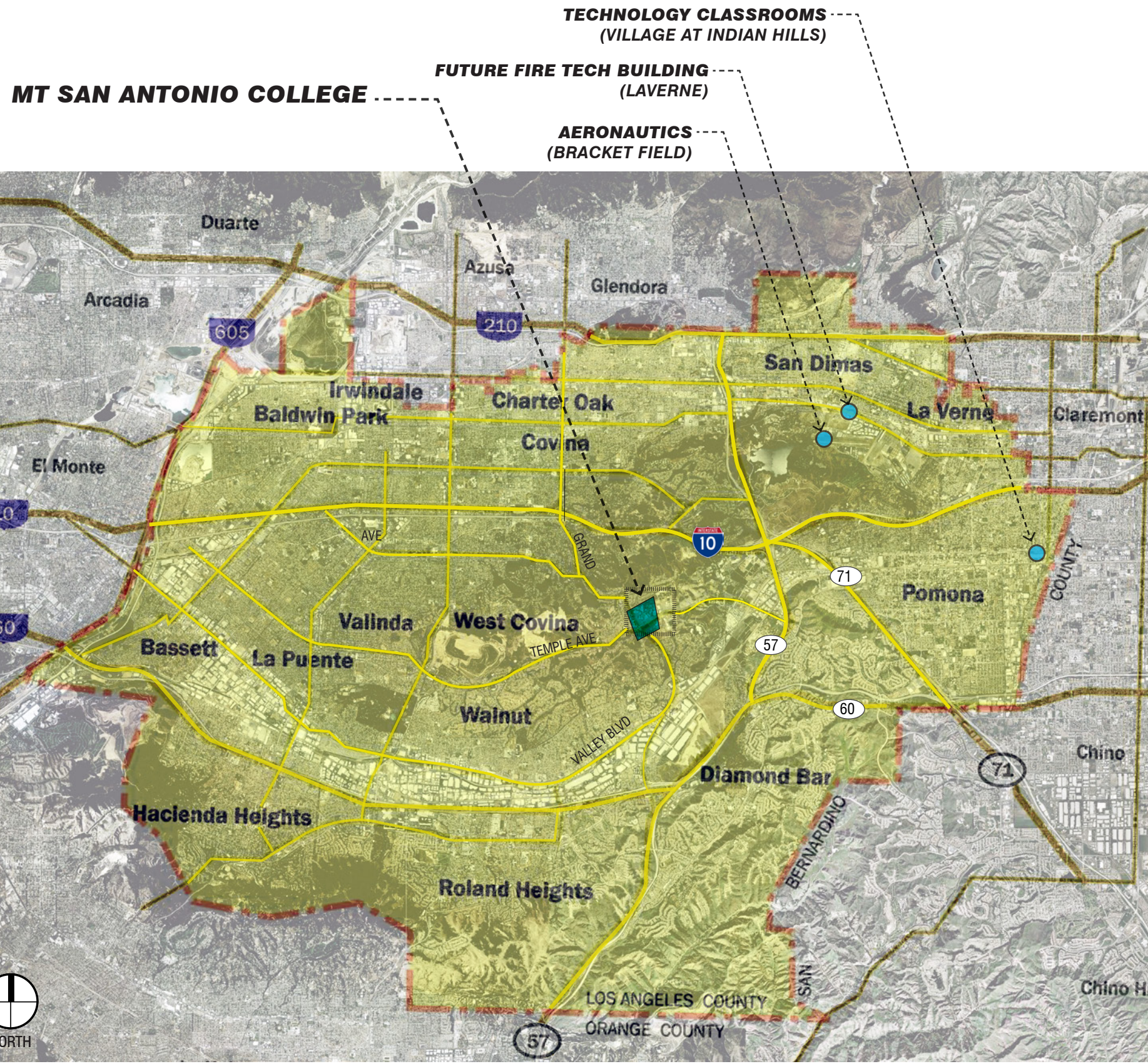
Measure R Bond in the amount of \$221 million was passed in November 2001 for campus physical needs for the people of East San Gabriel and Pomona-Walnut Valleys. The physical needs focused on the need to replace deteriorated and functionally inadequate World War II military hospital facilities that formed a major part of the MtSAC campus. Passage of Measure R made construction bonds available to MtSAC. The following projects have been completed with Measure R funding:

- Health Careers Center (67A)
- Student Health & Resource Center (67B)
- Language Center (66)
- Athletic Fields – softball, baseball, (2) soccer
- Arts Studio (1B Renovation)
- New Central plant providing chilled water and power for all proposed buildings (29)
- Founders Hall Restoration (10)
- Welding & Air Conditioning Complex (69)
- Science Laboratory Building (60)
- Livestock Pavilion & Equipment Technology (F9, F3)
- Campus Infrastructure and Improvements (2)
- Music Building Expansion
- Classroom Remodels (7, 11, 26)
- Student Services Center Renovation (9B)
- Math Building (61)
- Agricultural Sciences Building (80)

MEASURE RR

Measure RR in the amount of \$353 million was passed in November 2008. It was needed to complete projects started and to accommodate continued needs of enrollment growth. The projects planned for Measure RR funds include some that were included in Measure R.

E. EXISTING CONDITIONS



MT SAN ANTONIO COMMUNITY COLLEGE DISTRICT BOUNDARY

E. EXISTING CONDITIONS

Mt San Antonio College is located about twenty five miles East of Los Angeles, situated on 420 acres in San Gabriel Valley. The surrounding communities served by the college include: Baldwin Park, Bassett, Charter Oak, Covina, Diamond Bar, southern portion of Glendora, Hacienda Heights, City of Industry, Irwindale, La Puente, La Verne, Pomona, Rowland Heights, San Dimas, Valinda, Walnut and West Covina.

There is one primary campus location for the college, located at Temple and Grand Avenue in Walnut, CA. The college offers programs at numerous other sites. The primary off site locations for classes are at Bracket Field for Aeronautics and Village at Indian Hills for Technology Classrooms. A new site at Laverne has been established that is planned to provide a location for the Fire Technology program, to be co-located with a future City of Laverne Fire Department building.



ENLARGED AREA OF MT SAC CAMPUS

EXISTING CONDITIONS



The Mt San Antonio College campus is roughly evenly split by Temple Avenue. Grand Avenue forms the western edge of campus, providing direct access to Interstate 10. West Temple Avenue allows east-west access to the northern and southern areas of the campus; similarly, Bonita Avenue runs north-south, providing access to the eastern and western portions of the campus. The northern edge of the campus is bounded by single family residential neighborhoods. The eastern edge borders the California State Polytechnic University (Cal Poly).

The site occupies a sloping plane that slopes from its northern edge down to Temple Ave. Hills predominate in the portion of the campus area south of Temple Ave. The eastern boundary is distinguished as a hilly agricultural zone that is used for grazing and is adjacent to similar uses at the Cal Poly campus. The site was originally occupied by a hospital, and a number of the buildings remain from that era, including the Campus Café.

The primary instructional buildings are currently located north of Temple, surrounded by parking lots. The athletic functions are split on each side of Temple, with the majority of exterior athletics located south of Temple. The tennis courts, pool, and fitness facilities are located north of Temple. The relatively long distance between the athletic programs creates difficulties for coordination of student schedules and curriculum. The eastern portion of the campus is dedicated to the Agricultural Sciences (AG SCI) program. This is a center of excellence for the college. It includes a comprehensive animal husbandry and agricultural curriculum, and includes a herd of cows with graze on land north and south of Temple, horses, pigs, and other animals. The Ag Sci programs are not connected to the pedestrian circulation of the campus and due to their location the program exposure and presence is highly limited both for students outside the curriculum and for the community.

The campus is identified primarily by two masonry monument signs & vehicle entry landscape elements on Temple Avenue and two on Grand Avenue. The remainder of the site perimeter consists of chain link fencing, sidewalks directly at street curbs, and vast relatively unlandscaped parking lots.

There has been systematic improvement over the course of the bond work, with major pedestrian site element upgrades, demolition of buildings past their useful life, and construction of state of the art new instructional spaces. This master plan update identifies a framework for continued improvement of the campus to accommodate potential growth, including planned and future building zones, improved pedestrian paths and open space, and improved vehicular circulation and parking strategies.

MT SAN ANTONIO COMMUNITY COLLEGE SITE AERIAL



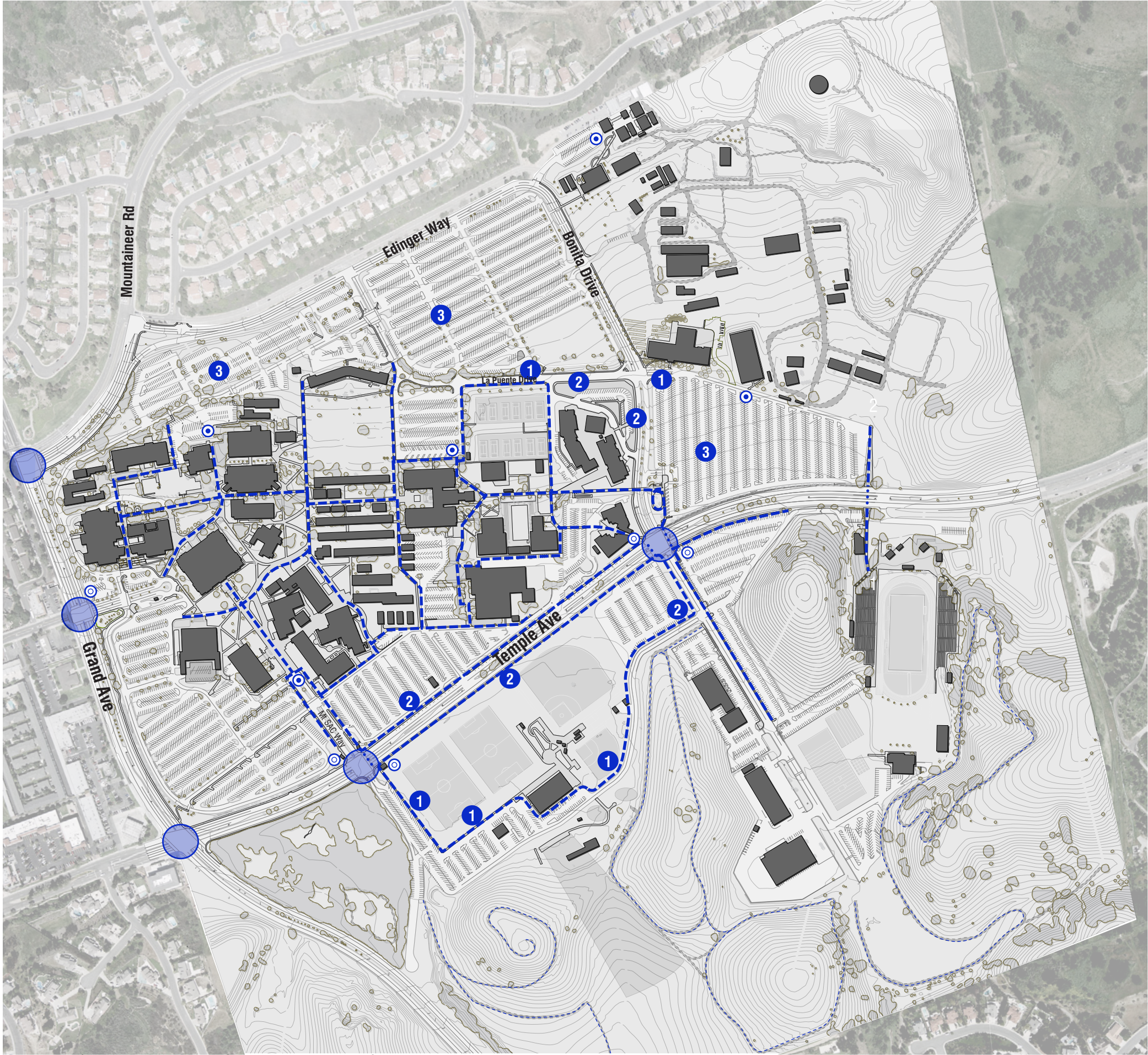
EXISTING BUILDING KEY

CAMPUS BUILDINGS

Building ID	Building Name	Building ID	Building Name
1A/B	Art Center	32	High School Referral/Adult Diploma Program*
1B/C	Art Gallery/Classrooms	33	High School Referral/Adult Diploma Program*
2	Performing Arts Center	35	Regional Health Offices Resource Center*
3	PE. Center/Gym	36	Older Adult Programs*
4	Administration	37	HCRC Simulation*
6	Learning Technology Center	38A	High School Referral/Adult Diploma Program*
6A	Information Kiosk	38B	High School Referral/Adult Diploma Program*
7	Natural Sciences	40	Continuing Education Department*
8	Campus Cafe		Parking Offices
9A	Auxiliary Services		Quick Stop
	Bookstore		Vocation Tech Ed Act
	Bursar's Office		
	Mountie Stop	45	WIN (Student Athlete Tutorial Center)
9B	Student Services Center	46	Physical Education Division Office
9C	Student Life Center	47	Facilities Management
9D	Student Services	47A	DSA Inspectors
9E	Child Development Center North	48	Receiving/Transportation
9F	Child Development Center North	50D	Stadium Press Box
9G	Child Development Center North	50G	PE. Center Field House
10	Founders Hall	50H	Stadium Concessions
11	Chemistry	51	Athletic Storage Building
11A	Nat. Sciences Division Office	60	Science Laboratories
12	Agricultural Sciences	61	Math/Science
12A	Foundation Office		Prime Stop
16	Arts Division Office* / Classroom	66	Language Center
16A	Express Stop	67A	Health Careers
16B	Bldg. 16B		Short Stop
16C	Bldg. 16C	67B	Health Careers Resource Center
16D	Bldg. 16D		Student Health Center
16E	Bldg. 16E	69	Welding/Heating/Air Conditioning
16F	Bldg. 16F	70	Child Development Center
17	Business Division Offices*	80	Agricultural Sciences Building
18	Bldg. 18	104	Brackett Field
18A	Business Division Faculty Offices*	CP	
	Child Development Faculty Offices*	F1	Central Plant
	Business Division Faculty Offices*	F2A	Horticulture Units
18B	Bldg. 18B	F2B	Small Animal Unit
18C	Bldg. 18C	F2C	Small Animal Unit
18D	Bldg. 18D	F3	Landscaping/Irrigation Lab
19A	Child Development Center South	F4	Agricultural Technology Center
19B	Child Development Classes*	F5	Swine Barn
	Fashion	F6	Vivarium
	Hospitality/Restaurant Management	F7A	Sheep Unit
	Nutrition	F7B	Equipment Tech. Unit
19C	Mountie Grill	F7C	R.V. Technology
20	Interior Design*	F8	Equipment Tech. Unit
21	PE Dance Studio*		Equine Center: Tack Room, Horse Barn, Parlor,
	Photography	F9	Paddock, and Breeding
21A	Bldg. 21A	F10	Livestock Pavilion
21B	Bldg. 21B		48th Agricultural District Office
21C	Bldg. 21C		
21D	Bldg. 21D		
23	Construction Offices		
	Information Technology		
	Public Safety		
	Telecommunications		
	Data Center		
23A	Humanities/Social Sciences North		
26A	Humanities/Social Sciences East		
26B	Humanities/Social Sciences East		
26C	Planetarium		
26D	Humanities/Social Sciences West		
27A	Exercise Science/Wellness Center		
27B	Pool		
27C	PE. Center		
27D	PE. Offices		
28A	Applied Sciences/ Health Sciences		
28B	Applied Sciences/ Health Sciences		
29A	Nat. Sci. Temp.		
29B	Communications		
29C	Forensics		
29D	Journalism		
29E	Math/Graphics		
30	Adult Basic Education Center*		
31A	ESL Classrooms*		
31B	ESL Classrooms*		

*No official building name exists; listed are current academic programs located in the building

EXISTING PEDESTRIAN CIRCULATION



EXISTING PEDESTRIAN CIRCULATION

Currently, Mt San Antonio College campus lacks a cohesive pedestrian circulation system. The system lacks clarity and hierarchy. Furthermore, the primary paths of pedestrian travel tend only to connect the parking to the campus and building to building with little regard for the making of well defined and usable outdoor spaces. Many of the existing walks are unpleasant expanses of asphalt which students and faculty are required to traverse. Landscaping and hardscaping are both underdeveloped. Many walks within the Primary Educational Zone cross vehicular drives and are adjacent to parking lots. The pedestrian circulation system is further jeopardized by the four to five-lane 45 MPH road, W. Temple Ave. Both the students parking in the peripheral lots and a majority of the Athletic Program (located south of Temple Ave.) are negatively impacted by this fragmentation.



LEGEND

- 1 PEDESTRIAN PATH ON VEHICULAR PAVEMENT
- 2 PAVED SIDEWALK AT STREET CURB
- 3 NO PEDESTRIAN PATH (IN PARKING LOT)
- PEDESTRIAN CIRCULATION
- PEDESTRIAN CROSSWALK
- HIKING / RECREATIONAL TRAILS
- ⊙ BUS STOPS
- ⊙ VAN ACCESS SERVICES
- TRAFFIC SIGNAL AT INTERSECTION

EXISTING VEHICULAR CIRCULATION










EXISTING VEHICULAR CIRCULATION

The major vehicular circulation on the Mt San Antonio College campus is a major hurdle for a safe, connected campus. Currently motor vehicles are capable of accessing deep into the campus. They are primarily using current pedestrian walkways as routes for service and delivery. This poses a threat to the pedestrians utilizing campus walks, and poses a threat to the security of intra-campus access by motor vehicle.

Vehicular circulation around the perimeter of the Primary Educational Zone and access to the adjacent parking lots is difficult to navigate. Currently Grand Ave, and Temple Ave. serve as a primary means of circumnavigation around the zone. While La Puente Drive offers access around the West end of the campus it is underdeveloped and a circuitous route that passes through parking lots and crosses pedestrian walks.

LEGEND

-  PUBLIC ROAD
-  VEHICULAR CIRCULATION
-  VEHICULAR CIRCULATION (UNPAVED)
-  SERVICE VEHICLE CIRCULATION
-  BUS STOPS
-  VAN ACCESS SERVICES
-  TRAFFIC SIGNAL / CAMPUS SIGANGE



EXISTING CAMPUS PARKING

CAMPUS PARKING

Lot ID	Description	No of Spaces
Student		
A	Student Parking Lot A	154
B	Student Parking Lot B	785
D	Student Parking Lot D	624
F	Student Parking Lot F	1171
G	Student Parking Lot G	227
H	Student Parking Lot H	1153
R	Student Parking Lot R	670
S	Student Parking Lot S	267
W	Student Parking Lot W	401
50 G	Student Parking Lot 50 G	122
Staff		
A-1	Staff Parking Lot A-1	37
A-2	Staff Parking Lot A-2	94
A-5	Staff Parking Lot A-5	41
B-1	Staff Parking Lot B-1	28
B-2	Staff Parking Lot B-2	65
B-3	Staff Parking Lot B-3	119
B-4	Staff Parking Lot B-4	34
D-1	Staff Parking Lot D-1	18
D-2	Staff Parking Lot D-2	52
D-3	Staff Parking Lot D-3	129
G	Staff Parking Lot G	73
23	Staff Parking Lot 23	198
30	Staff Parking Lot 30	2
31-37	Staff Parking Lot 31-37	81
40	Staff Parking Lot 40	5
47+48	Staff Parking Lot 47+48	100
66+67	Staff Parking Lot 66+67	56
Visitor		
A-1	Visitor Parking Lot A-1	53
B	Visitor Parking Lot B	65
B-1	Visitor Parking Lot B-1	26
A	Pay Lot A	234
B	Pay Lot B	193
S	Stadium	58
SP	Sherman Park	9
TOTALS		7344

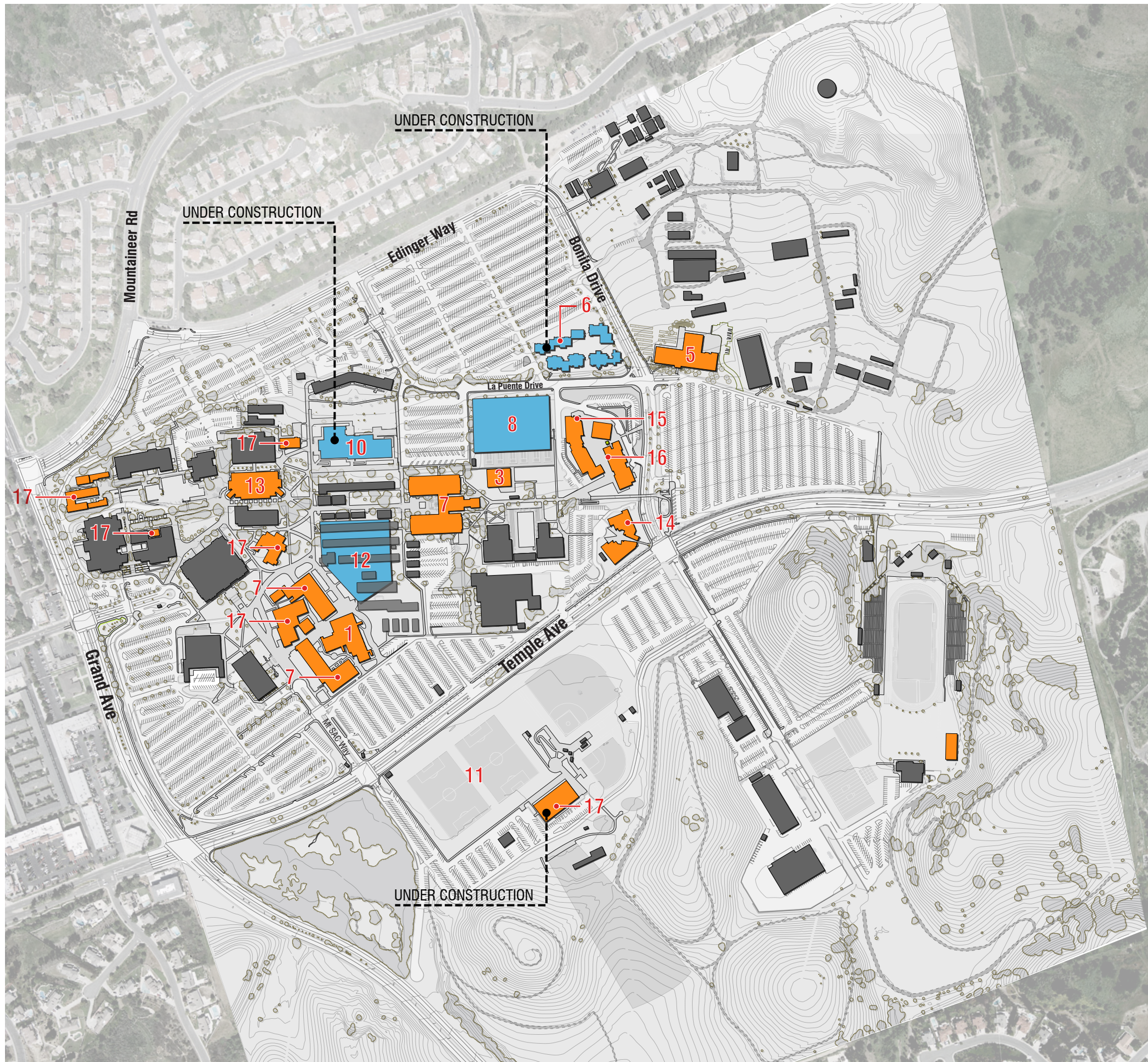
LEGEND

- STUDENT PARKING LOT
- STAFF PARKING LOT
- VISITOR PARKING LOT
- A** PARKING LOT ID

MEASURE R BOND PROJECTS

PROJECT LIST

Measure Name	R ID
Science - Local Portion	1
Workforce Training (cancelled)	2
Campuswide Energy	3
Off-Campus Learning Centers (cancelled)	4
Agricultural Science	5
Child Development	6
Campus Classroom Improvements - Local Portion (Buildings 7, 11, 26)	7
Business and Computer Technology	8
Design and Online Technology (FPP)	10
Physical Education / Wellness Facility, Athletic Fields and Athletic Concessions / Restroom	11
Campus Center	12
Student Support Services Renovation	13
Welding/Air Conditioning Programs	14
Language Center	15
Health Careers	16
Campus-Wide Improvements - Mathematics, Music and Language Arts	17



LEGEND

- FUTURE NEW BUILDING OR EXPANSION ZONE
- EXISTING BUILDING - NEW OR RENOVATED UNDER R
- EXISTING BUILDING - DEMOLITION
- EXISTING BUILDING - TO REMAIN
- A BOND PROJECT ID



MEASURE RR BOND PROJECTS

PROJECT LIST

Measure Name	RR
Campus Center	A
Business and Computer Technology	B
Child Development	C
Physical Education / Wellness Facility, Athletic Fields and Athletic Concessions / Restroom	D
Career and Technical Education Building Renovation	E
Classroom Building Renovation (45)	F1
Building 6 Renovation	F2
Laboratory Building Expansion	G
Fire Academy (in La Verne)	H
Public Transportation	I
Parking Structure (2,250 spaces)	J
Scheduled Maintenance, 5 Year	K
Infrastructure Improvements	L1-A to L1-W
Administration Remodel (Debt Retirement)	L2
Temporary Space (Phase 1) - New Metal Building and Building 23 Upgrade	L3
Demolish Old Gym (3), Student Life Center (9C), Liberal Arts 2 (16), Campus Inn (8)	L4
Equipment Allowance	L5
Contingency (6%)	L6
Building 9A Renovation	L7-A
Building 12 Renovations	L7-B
Facilities Improvement Projects #1 - Facilities Plan Room	L7-C-1
Facilities Improvement Projects #2 - Food Service	L7-C-2
Facilities Improvement Projects #3 - Language Lab Expansion	L7-C-3
Facilities Improvement Projects #4 - Bracket Field Improvements	L7-C-4
Construction Support	L8

LEGEND

- FUTURE NEW BUILDING OR EXPANSION ZONE
- EXISTING BUILDING - RENOVATED UNDER RR
- EXISTING BUILDING - TO BE RENOVATED UNDER RR
- EXISTING BUILDING - DEMOLITION
- EXISTING BUILDING - TO REMAIN
- A** BOND PROJECT ID

F. MASTER PLAN

The Facility Master Plan Update continues the primary improvements planned by the Measure RR projects and previous planning efforts. The key recommendations are:

- establish use zones in which each incorporate areas for pedestrian interaction and enhance integration
- improve connectedness between each use zone
- illustrate location of all projects currently planned by the District
- Illustrate potential future building sites for instruction programs for future growth
- establish a linked network of pedestrian circulation, open spaces and exterior study/collaboration to enhance student/faculty/staff learning and campus life
- plan vehicular circulation that will limit pedestrian conflicts while allowing ease of access to parking and service for buildings
- establish location and potential capacity of parking improvements to accommodate planned student growth



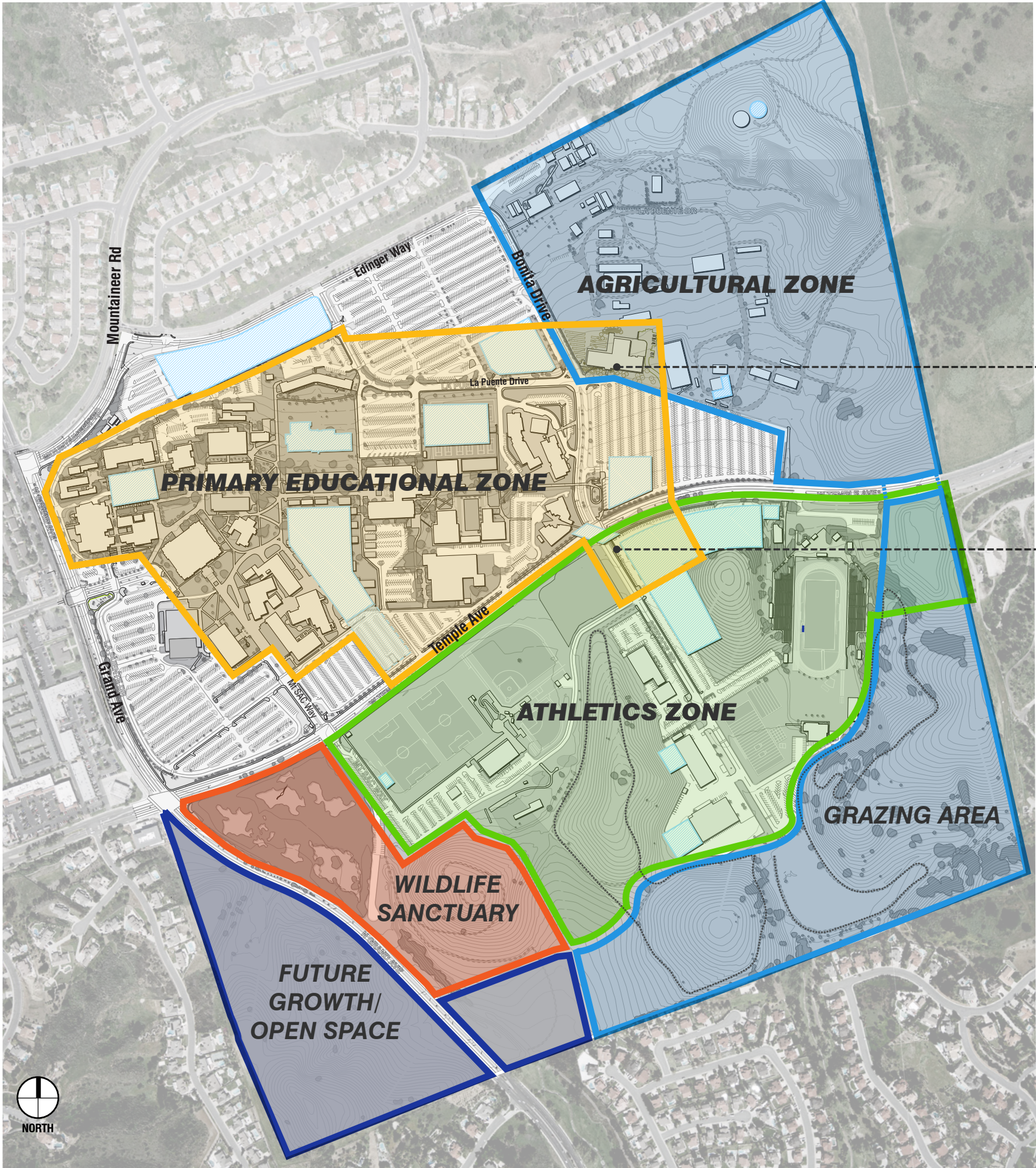
Measure Name	RR
Campus Center	A
Business and Computer Technology	B
Child Development	C
Physical Education / Wellness Facility, Athletic Fields and Athletic Concessions / Restroom	D
Career & Technical Education Building Renovation	E
Classroom Renovation	F1 & F2
Laboratory Building Expansion - Science	G
Fire Academy	H
Public Transportation	I
Parking Structure (2,250 spaces)	J
Scheduled maintenance, 5 Year	K
Infrastructure Improvements	L1-A-W
Debt Retirement	L2
Temporary Space	L3
Demolition	L4
Equipment Allowance	L5
Owner Contingency	L6
Building 12 Renovation	L7-A
Facilities Plan Room	L7-C-1
Food Service	L7-C-2
Language Lab Expansion	L7-C-3
Bracket Field Improvements	L7-C-4
Construction Support	L8

LEGEND

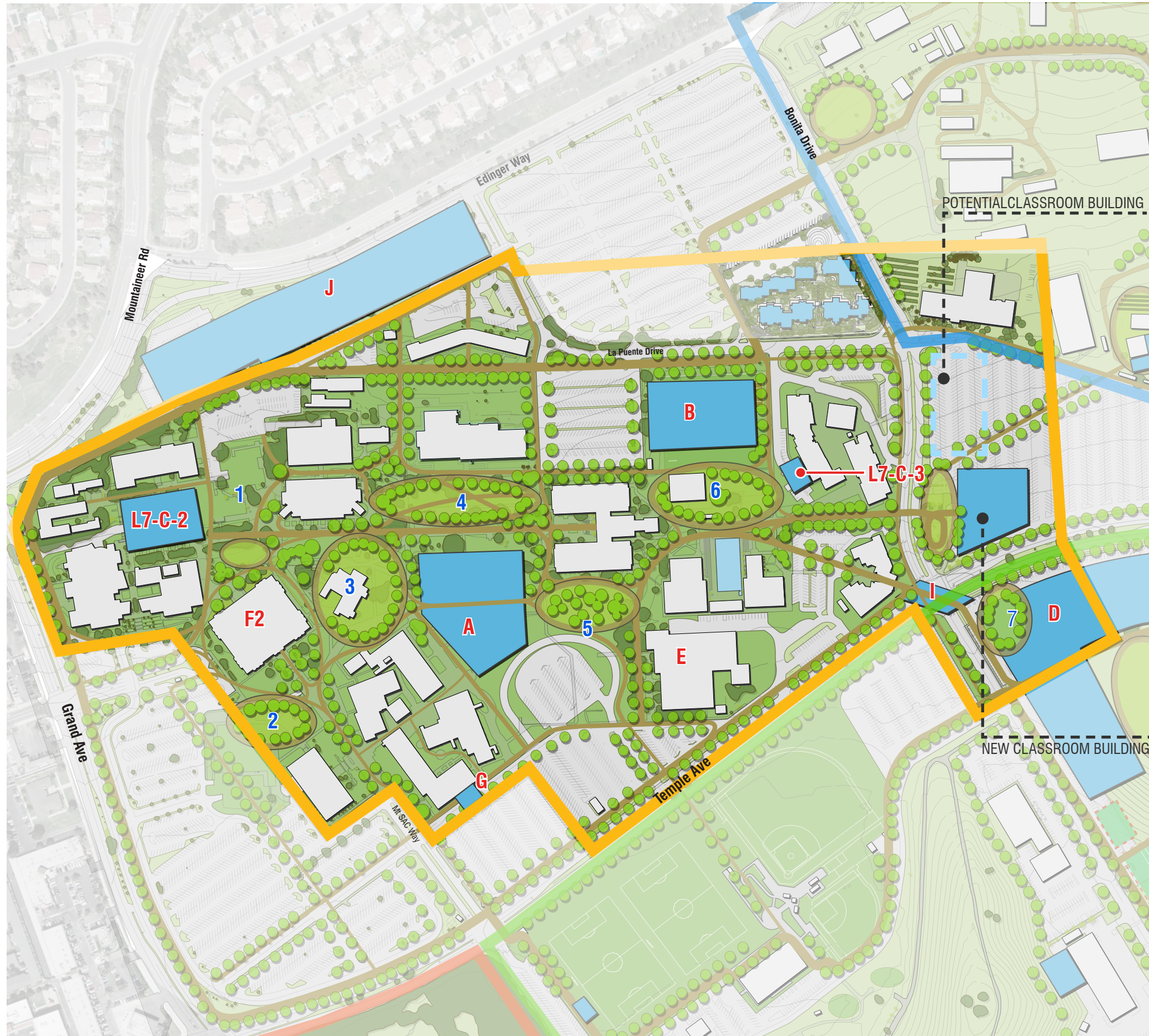
FUTURE BUILDING PROJECT ZONES

CAMPUS ZONING PLAN

Identifying zones of primary use is recommended to establish a guideline for location of programs, develop resources easily accessible, and establish overall infrastructure need. Five use zones are proposed according to their primary use. The zones are a Primary Educational Zone, Athletics Zone, Agricultural Zone, Wildlife Sanctuary Zone and Future Growth Zone. Overlapping zones are shown to bridge the parking lots and roads that separate them. Planning for the Future Growth Zoning is not within the scope of this update. Planning for the Wildlife Sanctuary Zone will consist of recommendations for an improved perimeter and access points only, as that area involves joint use/management.



LEGEND
 HISTORIC CROSS COUNTRY COURSE



ENLARGED PRIMARY EDUCATIONAL ZONE

The Primary Educational Zone consist of the core of the instructional classroom, administrative and campus life buildings and is the traditional heart of the campus. Although the location of most new structures within the Educational Zone have been established before this update the Facilities Master Plan Update 2009 does propose several changes to the Educational Zone in order to create a more connected, beautiful and useful campus. It is planned to allow most areas to be reached within a 10 minute walking time. Because the Educational Zone perimeter is completely surrounded by parking lots the existing campus core has been cut off from both the Agricultural and Athletic Zones. This Master Plan update proposes to expand the Primary Educational Zone east in order to overlap with the Agricultural and Athletic Zones and create a more cohesive campus. It incorporates the areas of the Agricultural and Athletics zones that are planned to have the key instructional buildings for those zones. Future buildings in this zone are planned on its eastern side to provide a termination for the major east-west pedestrian walk in that zone and central to the north-south pedestrian walk proposed to connect the agricultural, education, and athletics zones.

A new major Athletics facility is planned for the southeast corner of Temple Ave and Bonita Drive. A proposed bridged connection from the northwest corner of Temple Ave and Bonita Drive will connect the Primary Educational Zone to the Athletics Zone.

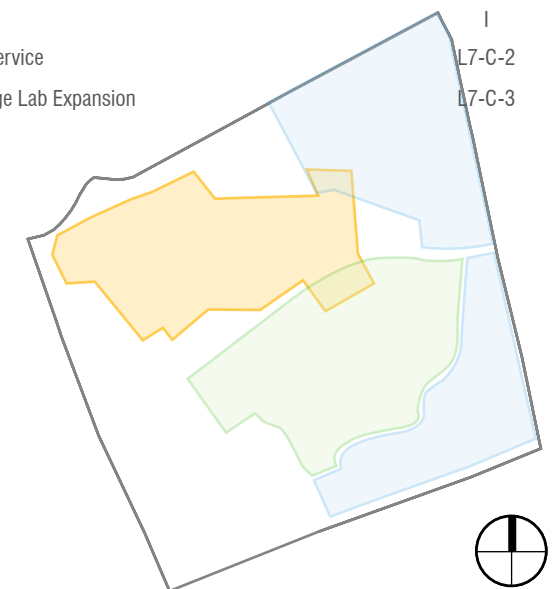
Along with the three primary zones Mt SAC has two other zones: The Wildlife Sanctuary and a Future Growth Zone located on the opposite side of Grand Ave from the Wildlife Sanctuary.

Project List

Measure Name	RR
Physical Education / Wellness Facility, Athletic Fields and Athletic Concessions / Restroom	D
Campus Center	A
Building and Computer Technology	B
Career and technical Education Building Renovation	E
Building 6 - Second Floor Renovation	F2
Laboratory Building Expansion	G
Public Transportation	I
Facilities Improvement Projects #2 - Food Service	L7-C-2
Facilities Improvement Projects #3 - Language Lab Expansion	L7-C-3

LEGEND

- FUTURE NEW BUILDING ZONE
- A** BOND MEASURE PROJECT ID
- 1** NEW OPEN SPACE ID



KEY PLAN

ENLARGED AGRICULTURAL ZONE

The Agricultural Zone includes the North East portion of the campus and extends across Temple Avenue to include open areas used for grazing of livestock all the way to the southern most point of the campus. The Agricultural Zone has traditionally been cut off from the other campus zones by parking lots and roads. By locating the new Agricultural Science Building at the southwest portion of the Agricultural Zone and extending the Primary Educational Zone East to overlap the Agricultural Zone we will establish a strong connection between the Zones.

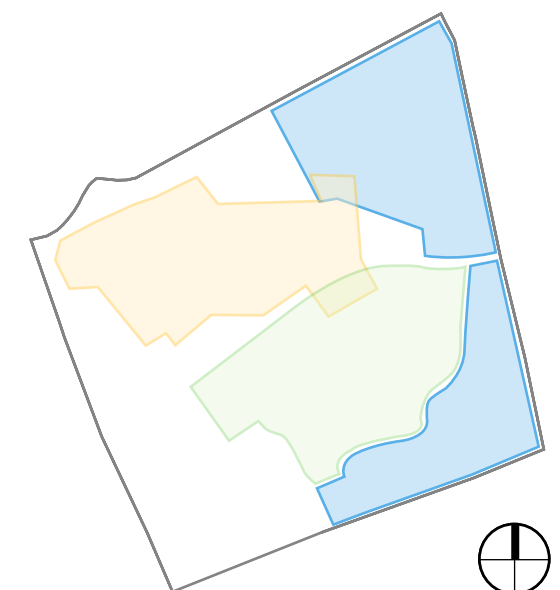
New projects in the Agricultural Zone include:

1. New Water Tower (adjacent to the existing Water Tower on the northeast most portion of the site)
2. Several new open spaces that with similar hardscape and landscape to match the Educational Zone open spaces
3. Develop the existing service road into a more people friendly pedestrian circulation route through the heart of the Agricultural Zone.
4. New Farm Market located adjacent to an open space to allow flexible use of the open space for Farm Market activities.



LEGEND

- FUTURE NEW BUILDING ZONE
- A** BOND MEASURE PROJECT ID
- 1** NEW OPEN SPACE ID



NORTH
KEY PLAN



ENLARGED ATHLETIC ZONE

The Athletic Zone is located on the Southside of Temple Avenue and consist of various playing and practice fields, a historic cross country track that serves Mt SAC nationally renowned program and events, Hilmer Lodge Stadium, a future major Physical Education/Wellness facility and Planning, Maintenance and Construction related structures.

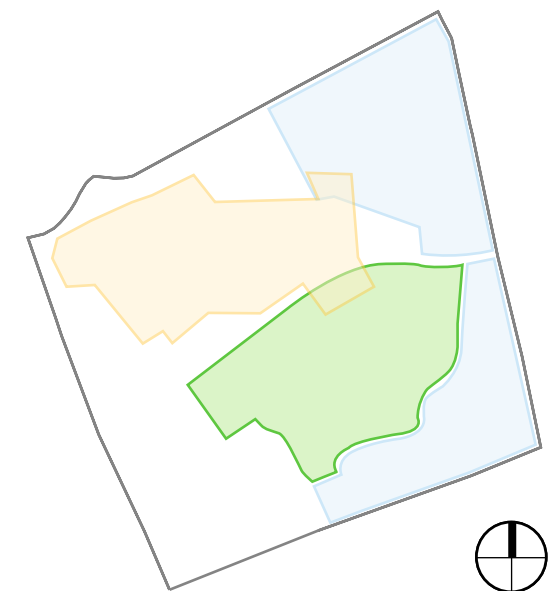
The development of the Athletic Zone is concentrated primarily towards the north end along Temple Ave and along Bonita Drive. New Projects include:

1. Physical Education/ Wellness facility
2. New Football Practice Field located adjacent to the existing practice field.
3. New Volleyball Court
4. Relocation of Tennis Courts to Athletic Zone from Educational Zone.
5. Basketball Court and Roller Hockey Court.
6. New Toilet and Snack Bar Facilities for Soccer Fields.
7. Additions to Planning and Maintenance Facilities.
8. Heritage Hall
9. A new perimeter pedestrian trail to connect with campus pedestrian circulation.

Project List	RR
Measure Name	RR
Physical Education / Wellness Facility, Athletic Fields and Athletic Concessions / Restroom	D
Building 45 Renovation	F1
Temporary Space (Phase 1)	L3
Facilities Improvement Projects #1 - Facilities Plan Room	L7-C

LEGEND

- FUTURE NEW BUILDING ZONE
- A BOND MEASURE PROJECT ID
- 1 NEW OPEN SPACE ID
- CROSS COUNTRY TRAIL



NORTH
KEY PLAN

OPEN SPACE

Mt San Antonio College currently suffers from a lack of well defined open spaces. The open spaces are often what define a campus as much as the buildings. Well designed open spaces create opportunities for student interaction and will help develop a sense of community.



LEGEND

- FUTURE BUILDING PROJECT ZONES
- FUTURE OPEN SPACE ZONES

PEDESTRIAN CIRCULATION

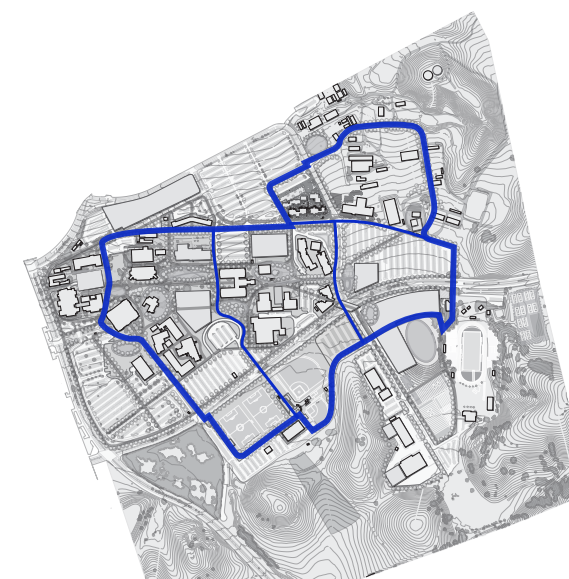
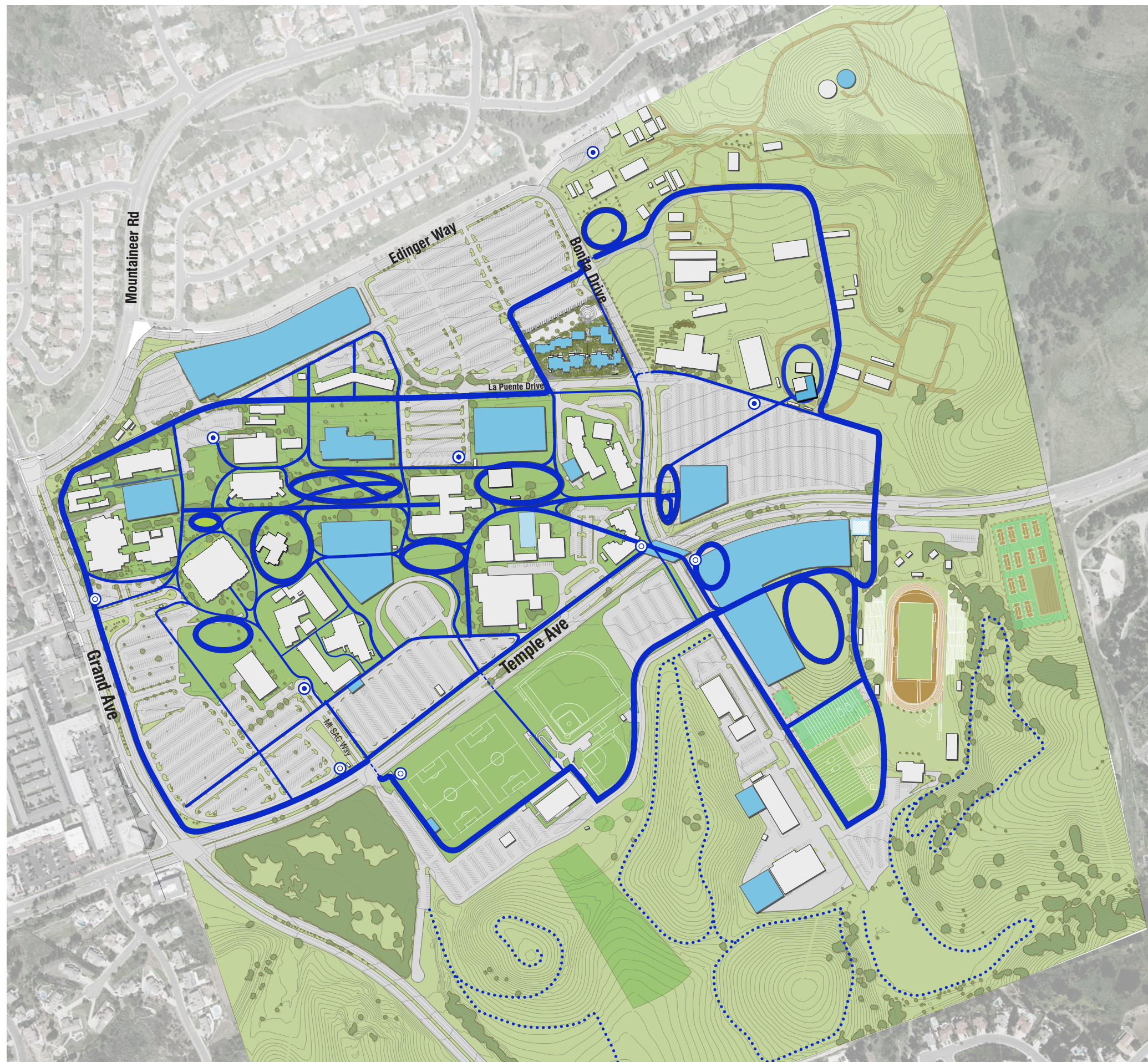
Pedestrian circulation on the Mt SAC campus is proposed to be centered around two primary themes: The Cohesive Campus and Creating Community.

The creation of a major perimeter loop that extends to all zones will help reinforce connections between the Educational, Athletic and Agricultural Zones. The perimeter walk will also be a major amenity for the campus as a walking and jogging trail. Beyond the new perimeter circulation new direct connections between Primary Educational and Athletic/Agricultural Zones are proposed as “short cuts” between the zones. A new connection to the a major elevated crosswalk over Temple Ave to the Athletic Zone and new Physical Education/Wellness facility is proposed to cut diagonally across the Primary Education Zone. Another diagonal walk across the east parking lot from Bonita Drive to the Agricultural Zone is also proposed.

Existing crosswalks across Temple Ave at the Grand Avenue intersection, Mt Sac Way and Bonita Drive will be supplemented with a new crosswalk located at the entry from Temple Ave. to Student Lot D. The new crosswalk will provide direct access to the Mazmanian Field and the Soccer Fields area.

Connections from the Primary Educational Zone to the perimeter parking areas will be enhanced to provide a well defined, safer and more pleasant route from the parking areas.

New distinct open spaces will be defined by the pedestrian walks and reinforced with landscaping. Curved Primary Walks create a picturesque campus, improve the flow of pedestrian traffic, provide a hierarchy of circulation and help resolve topographic grade changes. All pedestrian walks should be reinforced by new trees that will provide shade, cut noise and make for a more beautiful campus.



PEDESTRIAN CAMPUS LOOP

LEGEND

- FUTURE BUILDING PROJECT ZONES
- PRIMARY PEDESTRIAN CIRCULATION
- SECONDARY PEDESTRIAN CIRCULATION
- PEDESTRIAN CROSSWALK
- HIKING / RECREATIONAL TRAILS
- BUS STOPS
- VAN ACCESS SERVICES

VEHICULAR CIRCULATION

Primary on site vehicle circulation is planned on the northern edge of the site to allow direct access to the proposed new parking deck and connect across Temple Ave. to the athletics zone. A new generous entry and vehicle drop off is proposed to from Temple to the proposed LRC site. This expanded entry drive connects to a parking access drive that travels all the way to the main entry drive off Grand Avenue. That entry drive is too tight in size to accommodate the number and need for access for the current population.

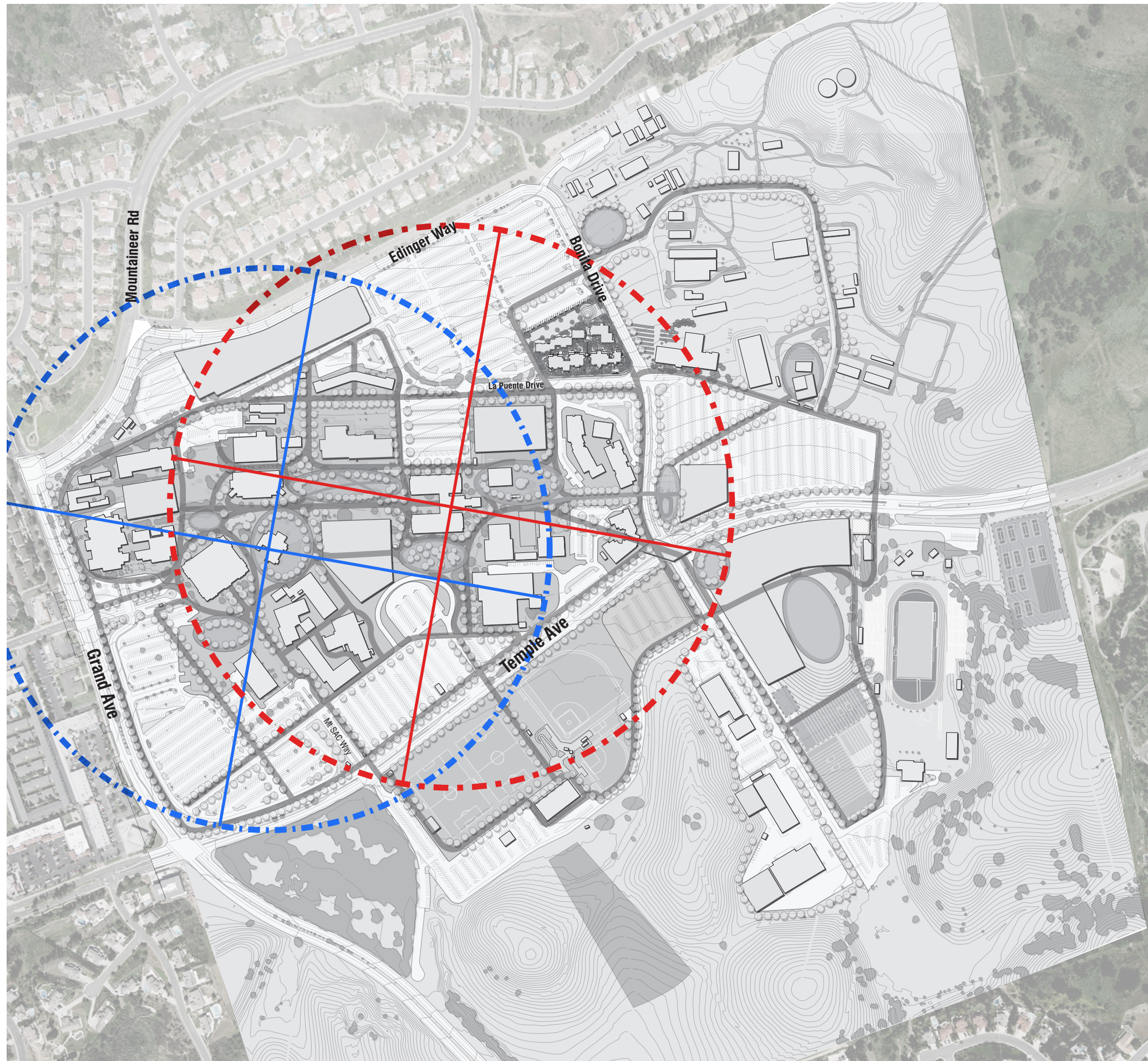


LEGEND



- FUTURE BUILDING PROJECT ZONES
- PUBLIC ROAD
- VEHICULAR CIRCULATION
- VEHICULAR CIRCULATION (UNPAVED)
- SERVICE VEHICLE CIRCULATION
- BUS STOPS
- VAN ACCESS SERVICES

10 MINUTE WALKING RADIUS

The center of campus activity will be shifting to the east due to the large new educational facilities built or planning to be built, and due to the location of the proposed LRC. The diagram illustrates how most primary instructional buildings in the three primary instruction zones – educational, agriculture, and athletics – are within a 10 minute walking radius.



LEGEND

-  NEW CENTER OF CAMPUS WITH 1/4 MI WALKING RADIUS (EQUIVALENT TO A 10 MINUTE WALK END TO END)
-  EXISTING CENTER OF CAMPUS WITH 1/4 MI WALKING RADIUS (EQUIVALENT TO A 10 MINUTE WALK END TO END)

H. APPENDIX A

PROJECT DESCRIPTIONS

Major bond projects identified in the 2005 and 2008 Master Plan Updates were evaluated, updated where appropriate, and new project descriptions developed by the District and Program Manager. They are included here for information.

Measure Name	RR
Campus Center	A
Business and Computer Technology	B
Child Development	C
Physical Education / Wellness Facility, Athletic Fields and Athletic Concessions / Restroom	D
Career & Technical Education Building Renovation	E
Classroom Renovation	F
Laboratory Building Expansion	G
Fire Academy	H
Public Transportation	I
Parking Structure (2,250 spaces)	J
Scheduled Maintenance	K
Campus Wide Improvements	L-L7
<i>San Jose Hills Entrance/Intersection Improvements</i>	<i>L1-A</i>
<i>New Main Campus Entrance</i>	<i>L1-B</i>
<i>Campus Site Improvements (South of Temple)</i>	<i>L1-C</i>
<i>Temple & Bonita Intersection Improvements</i>	<i>L1-D</i>
<i>Bonita & Walnut Intersection Improvements</i>	<i>L1-E</i>
<i>Walnut Drive/Parking Lot G Intersection Improvements</i>	<i>L1-F</i>
<i>Campus Quad</i>	<i>L1-G</i>
<i>Temple/Grand Intersection & Wildlife Sanctuary Improvements</i>	<i>L1-H</i>
<i>Campus Interior Site Improvements</i>	<i>L1-I</i>
<i>Central Plant Improvements/Energy Conservation</i>	<i>L1-J</i>
<i>Temple Avenue/Student Lot F Intersection Improvements</i>	<i>L1-K</i>
<i>East Campus Main Fire Road Access</i>	<i>L1-L</i>
<i>Reclaimed Water System & Well Rehabilitation</i>	<i>L1-M</i>
<i>no data sheets included for the following projects</i>	
Debt Retirement	L2
Temporary Space	L3
Demolition	L4
Equipment Allowance	L5
Owner Contingency	L6
Campus Wide Improvement Projects	L7
Construction Support	L8

PROJECT DEFINITION SUMMARY

A

June 6, 2010

PROJECT NAME	Library, Learning Resources & Campus Center
BOND PROJECT LETTER	A
BUILDING NUMBER	TBD
DATE ORIGINALLY CONSTRUCTED	N/A
EXISTING BUILDING ASF/GSF	N/A
AREA OF WORK ASF	153,655
AREA OF WORK GSF	217,000
PROJECT BUDGET – STATE BOND	\$79,000,000
PROJECT BUDGET – LOCAL BOND	\$72,000,000
PROJECT D BUDGET TOTAL	\$151,000,000
BOND PHASE OF WORK	
SCHEDULE	Design: Summer 2009(site) – Fall 2013 Construction: Fall 2013- Fall 2016

PROJECT DESCRIPTION

The project will construct a new facility that would consolidate all the services of the Learning Resource Center (LRC), Student Life Center, and the Campus Center into one permanent complex and provide additional space that would accommodate the enrollment growth projected. The existing facilities in Building 6 were built in the early 1940s - 1970s. Significant technological advances and growth have occurred since then. This project will create a modern facility that would provide an efficient network infrastructure for current student needs, upgraded and necessary technologies, and make better and more efficient use of assignable space to enhance the educational learning environment.

Overall improvements are:

1. Consolidate all services of the LRC, Student Life Center, and Campus Center
2. Provide appropriate support for student organizations and development of leadership skills
3. Provide building-wide network, telecommunications, and electrical infrastructure to safely locate computers and meet advances in technology that will enhance educational delivery to students
- 4 Provide modern learning environment capable of enhancing instruction, utilizing the technology that will prepare students for four-year institutions and current employment standards
5. Improve configuration of institutional space for increased and efficient usage
6. Provide central location for student activities and bookstore
7. Provide large gathering spaces easily accessible to the community
8. Provide a central location for food services

PROJECT DEFINITION SUMMARY

B

June 6, 2010

PROJECT NAME	Business and Computer Technology
BOND PROJECT LETTER	8, B
BUILDING NUMBER	TBD
DATE ORIGINALLY CONSTRUCTED	N/A
EXISTING BUILDING ASF/GSF	N/A
AREA OF WORK ASF	60,000
AREA OF WORK GSF	87,000
PROJECT BUDGET – STATE BOND	\$23,000,000
PROJECT BUDGET – LOCAL BOND	\$23,000,000
PROJECT BUDGET TOTAL	\$46,000,000
BOND PHASE OF WORK	
SCHEDULE	Design: Fall 2009(site) – Fall 2011 Construction: Fall 2011- Fall 2013

PROJECT DESCRIPTION

The Business and Computer Technology Center will provide for construction of a new 87,000-square-foot center to consolidate business administration, accounting, management, computer information systems, office technology, and family and consumer sciences instructional programs. These programs are currently housed in facilities constructed in the 1940s that are not suitable for renovation. The new two-building complex will include state-of-the-art technology that supports current teaching methods including increased use of laboratory-based learning environments as opposed to traditional lecture classrooms. The new space will more appropriately support instruction in skills-based programs such as Hospitality and Restaurant Management and Fashion Design.

The designed space includes a law library and mock courtroom, a foods lab and training kitchen, large open computer labs, 45 - 50 classrooms, and faculty and division offices. Support spaces include meeting and conference areas, locker rooms, laundry, and printing services. The building site will include outdoor gathering spaces and a landscaped courtyard suitable for group activities.

PROJECT DEFINITION SUMMARY

C

June 6, 2010

PROJECT NAME	Child Development Center
BOND PROJECT LETTER	6, C
BUILDING NUMBER	TBD
DATE ORIGINALLY CONSTRUCTED	N/A
EXISTING BUILDING ASF/GSF	N/A
AREA OF WORK ASF	22,000
AREA OF WORK GSF	33,000
PROJECT BUDGET – STATE BOND	N/A
PROJECT BUDGET – LOCAL BOND	N/A
PROJECT BUDGET TOTAL	\$20,000,000
BOND PHASE OF WORK SCHEDULE	Design: Complete Construction: Spring 2010- Summer 2011

PROJECT DESCRIPTION This project will expand, consolidate, and improve the Child Development Center in a new protected site on campus and create a state-of-the-art Early Childhood Education Laboratory.

This project will provide construction of four new buildings totaling 35,000 square feet to house child development classrooms, laboratories, observation spaces, and all required facilities for providing child care for up to 162 children, from birth to five years old. This facility will meet all State licensing requirements and will serve as a model facility for combining child care education and training programs with child care services. College classrooms with observation windows will be placed adjacent to child care areas in order to offer appropriate learning opportunities for students in on-site psychology and nursing classes in childhood development.

Additionally, the new Center is designed to include faculty and administrative offices, meeting and conference rooms, staff and lab preparation areas, children’s meal preparation and serving spaces to provide three meals a day; nursing and isolation areas for infants and toddlers, and spaces designed for student collaborative activities. Support facilities will also include specialized restrooms for small children.

Site work will include walkways, roadways, emergency vehicle access, parking enhancements for a convenient drop-off parking area, handicap access, play areas and fencing to ensure the safety of the children, and landscaping.

PROJECT DEFINITION SUMMARY

11, D

June 6, 2010

PROJECT NAME	Athletic Complex Phase 2
BOND PROJECT LETTER	11, D
BUILDING NUMBER	TBD
DATE ORIGINALLY CONSTRUCTED	N/A
EXISTING BUILDING ASF/GSF	N/A
AREA OF WORK ASF	38,000
AREA OF WORK GSF	44,000
PROJECT BUDGET – STATE BOND	\$8,000,000
PROJECT BUDGET – LOCAL BOND	\$18,950,000
PROJECT BUDGET TOTAL	\$26,950,000
BOND PHASE OF WORK SCHEDULE	

Site Improvements Design: Spring 2009- Summer 2010
Construction: Summer 2010- Winter 2011

Tennis Courts Design: Complete
Construction: Winter 2011- Summer 2011

Gymnasium Design: Spring 2013- Summer 2015
Construction: Summer 2015 - Winter 2017

PROJECT DESCRIPTION The second phase of the Athletics Complex completes the relocation and consolidation of the majority of the athletics programs to the south side of the campus, allowing for growth of other educational programs closer to the center of campus.

Replacement of the old Gymnasium, which was constructed in the 1940s and does not meet ADA/ accessibility standards, will provide a fully accessible facility with improved spectator seating and facilities for the broadcast of athletic competitions. (The cost of bringing the existing Gymnasium up to current standards would exceed the cost of a new Gymnasium.) The building will also include training and rehabilitation spaces for team sports as well as support spaces for physical education and athletic programs.

Relocation of the tennis courts will allow for the construction of the new 80,000-square-foot Business and Computer Technology Center, to be located adjacent to other academic facilities. A new golf driving range will support the instructional program and offer opportunities for the community to attend golf classes and practice their game. A new football-sized field will allow the various field sports adequate space for practice, and upgraded safe facilities for hammer throw and shot put will be constructed.

PROJECT DEFINITION SUMMARY

E

June 6, 2010

PROJECT NAME	Career and Technical Education Building Renovation
BOND PROJECT LETTER	E
BUILDING NUMBER	TBD
DATE ORIGINALLY CONSTRUCTED	N/A
EXISTING BUILDING ASF/GSF	N/A
AREA OF WORK ASF	88,000
AREA OF WORK GSF	128,143
PROJECT BUDGET – STATE BOND	\$19,000,000
PROJECT BUDGET – LOCAL BOND	\$19,000,000
PROJECT BUDGET TOTAL	\$38,000,000
BOND PHASE OF WORK	
SCHEDULE	Design: Summer 2013- Summer 2014 Construction: Summer 2014- Winter 2017

PROJECT DESCRIPTION This project will improve the instructional programs at the College by remodeling the classroom buildings known as the Technology Center. The buildings currently house the Aeronautics, Transportation and Travel; Aircraft Maintenance and Manufacturing; Architecture and Engineering Design Technology, Electronics and Computer Technology, Computer Security, Fire Technology, Allied Health including Nursing, and Public Services instructional programs. As these programs have changed and developed over time, their space infrastructure needs have changed dramatically. This project will address those needs by constructing learning spaces that meet the current program needs.

The Technology Center was constructed prior to the use of computer technology in the classroom. Therefore, these buildings are in need of modernization to provide better access to technology and meet current codes, improve efficiency, and remove asbestos-containing building materials. The buildings were also constructed at a time when primarily male students attended the programs housed in these buildings, and the women's restroom facilities are not adequate for the demographics of the current student population. This project will include electrical, mechanical, and technology system upgrades, retrofitted interiors for user efficiency; and new casework and all interior finishes. A recent structural analysis of the facility indicates that major work must be done to the five-story portion of the building to protect students and staff and to prevent a catastrophic failure should a major seismic event occur in the area. The building also needs improvements such as the replacement of the elevators and automatic doors to meet current building code and accessibility standards.

PROJECT DEFINITION SUMMARY

F1, F2

June 6, 2010

PROJECT NAME	Classroom Building Renovation
BOND PROJECT LETTER	F
BUILDING NUMBER	
Phase 1	45
Phase 2	6
DATE ORIGINALLY CONSTRUCTED	
Phase 1	2000
Phase 2	1963
EXISTING BUILDING ASF/GSF	
Phase 1	15,217 / 20,467
Phase 2	76,653 / 101,652
AREA OF WORK ASF	
Phase 1	18,000
Phase 2	32,000
AREA OF WORK GSF	
Phase 1	20,000
Phase 2	40,000
PROJECT BUDGET TOTAL	\$25,500,000
Phase 1	\$8,000,000
Phase 2	\$17,500,000
SCHEDULE	
Phase 1	Design: Complete Construction: Spring 2009- Summer 2010
Phase 2	Design: Fall 2014- Summer 2016 Construction: Summer 2016- Summer 2018

PROJECT DESCRIPTION This project consists of two phases; the first will upgrade a currently non-compliant facility to the State Field Act standards required for teaching space, and the second will renovate sections of the current library building for much needed teaching space.

Phase 1 involves the renovation of an existing 20,000-square-foot metal building to provide a new Physical Education Center incorporating faculty offices, the division offices and support areas, weight rooms, classrooms, team rooms, and locker/shower rooms. The building was originally constructed in 2000 as a temporary facility to house the nursing program prior to completion of their permanent building. Major structural modifications will ensure that the facility can be used for the appropriate support of students in credit classes on a permanent basis by complying with State Field Act requirements and seismic standards.

Following the construction of the new Library-Learning Resources and Student Activity Center, the Phase 2 of the project will renovate approximately 40,000 square feet on the top floor in the existing Learning Technology Center that currently houses the Library.

The space will include desperately needed active learning space, laboratories, and classroom space necessary to meet the College's growth needs in the future as well as faculty offices, meeting and conference rooms, and office support areas.

PROJECT DEFINITION SUMMARY

G

June 6, 2010

PROJECT NAME	Laboratory Building Expansion
BOND PROJECT LETTER	G
BUILDING NUMBER	TBD
DATE ORIGINALLY CONSTRUCTED	
EXISTING BUILDING ASF/GSF	
AREA OF WORK ASF – Phase 2	5,600
AREA OF WORK GSF – Phase 2	7,000
PROJECT BUDGET – STATE BOND	
PROJECT BUDGET – LOCAL BOND	
PROJECT BUDGET TOTAL	\$5,300,000
BOND PHASE OF WORK	
SCHEDULE	
Phase 1	Design: Complete
Phase 2	Construction: Fall 2009 – Winter 2010 Preliminary Planning: Winter 2012 – Summer 2012 Design: Fall 2014 – Summer 2016 Construction: Summer 2016- Spring 2018
PROJECT DESCRIPTION	<p>This project provides for growth in the science disciplines by providing four new state-of-the-art teaching laboratories. These new lab spaces will be located adjacent to the recently renovated Science Complex to ensure support from related faculty offices and laboratories. Special emphasis will be placed on exemplary systems for health, safety, and environmental sensitivity.</p> <p>Installation of rooftop instructional areas on the recently completed Science Laboratories building, featuring an astronomical observation center, is also included in this project.</p>

PROJECT DEFINITION SUMMARY

H

June 6, 2010

PROJECT NAME	Fire Academy
BOND PROJECT LETTER	H
BUILDING NUMBER	TBD
DATE ORIGINALLY CONSTRUCTED	N/A
EXISTING BUILDING ASF/GSF	N/A
AREA OF WORK ASF	7,000
AREA OF WORK GSF	10,000 and Training Tower
PROJECT BUDGET – STATE BOND	
PROJECT BUDGET – LOCAL BOND	
PROJECT BUDGET TOTAL	\$10,000,000
BOND PHASE OF WORK	
SCHEDULE	
	Preliminary Planning: 2009
	Design: Summer 2009- Winter 2011
	Construction: Winter 2011- Fall 2012
PROJECT DESCRIPTION	<p>This project provides for the construction of a Fire Academy facility on or near the campus, eliminating the need to lease space from other institutions. This facility will improve the cooperation and synergy between the College and the Fire Academy through a fixed location and will provide an improved working relationship between the Fire Academy, Fire Science, and Paramedic programs. The College is evaluating several sites to determine whether this will be an on- or off-campus facility.</p> <p>A state-of-the-art training facility will be constructed to meet State environmental laws, fire service training needs, and local storm water requirements. The facility will include a Training Tower as well as an administrative building to contain instructional classrooms, faculty offices, and storage space, along with space for training equipment and vehicles.</p> <p>Fire Academy space allows for program growth at a time where firefighters are desperately needed in the area and simultaneously creates a local opportunity for neighboring public safety operations to update and maintain required training levels. The project will foster the development of partnerships with many of the local firefighting units.</p>

PROJECT DEFINITION SUMMARY

I

June 6, 2010

PROJECT NAME	Public Transportation Center
BOND PROJECT LETTER	H
BUILDING NUMBER	TBD
DATE ORIGINALLY CONSTRUCTED	N/A
EXISTING BUILDING ASF/GSF	N/A
AREA OF WORK ASF	
AREA OF WORK GSF	
PROJECT BUDGET – LOCAL BOOND	\$3,500,000
PROJECT BUDGET – OTHER	\$3,500,000
PROJECT BUDGET TOTAL	\$7,000,000
BOND PHASE OF WORK	
SCHEDULE	Preliminary Planning: Summer 2009- Spring 2013 Design: Spring 2013- Summer 2014 Construction: Summer 2014- Winter 2016
PROJECT DESCRIPTION	<p>The Public Transportation Center will provide easy access to the campus for students and staff who wish to ride the bus to Mt. SAC. The Center will attract additional bus routes and carriers to the campus and will create easy access from both sides of Temple Avenue with a safe pedestrian bridge crossing the roadway. Traffic in the area can be significantly reduced by constructing modern bus turn-outs to allow loading and unloading without delaying traffic.</p> <p>The Center will decrease the number of vehicles on the road by encouraging increased use of public transportation that provides the riders and the transportation agencies with the facilities they need. Pedestrian pathways to the interior of the campus will be upgraded and improved to ensure safe, compliant, and attractive aces at each of the six main entry points.</p>

PROJECT DEFINITION SUMMARY

J

June 6, 2010

PROJECT NAME	Parking, Public Safety and Traffic Improvements
BOND PROJECT LETTER	J
BUILDING NUMBER	TBD
DATE ORIGINALLY CONSTRUCTED	N/A
EXISTING BUILDING ASF/GSF	N/A
AREA OF WORK ASF	
AREA OF WORK GSF	
PROJECT BUDGET – STATE BOND	
PROJECT BUDGET – LOCAL BOND	
PROJECT BUDGET TOTAL	\$44,000,000
BOND PHASE OF WORK	
SCHEDULE	Preliminary Planning: Summer 2009- Winter 2010 Design: Winter 2010- Summer 2011 Construction: Summer 2011- Winter 2013
PROJECT DESCRIPTION	<p>Mt. San Antonio College serves over 65,000 students, with the vast majority commuting from the local communities. Currently, there are three heavily used main entry points to the campus. Traffic in these areas spills out on to the public streets, impacting everyone in the community. This project will play a major role in meeting the Master Plan goal to create three new main entry points; allowing efficient entry and exit of vehicles and balancing the flow of traffic around campus. Interior lighting, emergency phones, and controlled pedestrian crossings at each entry and within the campus interior will provide for efficient and safe passage of students, staff, and the public on, off, and within the campus.</p> <p>Current traffic studies indicate that Mt. SAC will require an additional 1,400 to 1,800 parking spaces by 2014 to accommodate expected growth. A new parking structure will address this need and will allow the college to continue to grow to serve students in the area. The parking structure site has been selected so that vehicles can enter the campus from the intersection at Mountaineer and Grand Avenue at the northwest corner of the campus, reducing the traffic impact on the busy Grand and Temple Avenues and the San Jose Hills Road and Grand Avenue intersections.</p> <p>Constructing parking on the northwest corner of campus will provide parking spaces where they are needed, closer to the classrooms and Student Services facilities that currently do not have adequate parking. Design criteria will ensure an attractive, non-intrusive, structure. For this project, the design-build project delivery method will be considered to ensure the best value for the district.</p>

PROJECT DEFINITION SUMMARY

L

June 6, 2010

PROJECT NAME	Campus-wide Improvements
BOND PROJECT LETTER	L
PROJECT BUDGET	
Infrastructure Improvements	\$35,000,000
COPS Debt Retirement	\$11,000,000
Temporary Space	\$4,000,000
Demolition	\$4,500,000
Equipment Allowance	\$5,000,000
Contingency	\$21,000,000
Improvement Projects	\$17,800,000
Construction Support	\$4,900,000

SCHEDULE

PROJECT DESCRIPTION	<p>Infrastructure Improvements (overview, projects L1-A through L1-W) – Studies indicate that the District faces a backlog of infrastructure improvements in excess of \$60 Million. This project reduces that backlog by roughly half by upgrading and replacing critical infrastructure installed prior to 1970. An efficient campus-wide approach will maximize efficiency, while minimizing cost and impact to students and faculty, by dividing the campus into twelve zones. These utility system upgrades are essential to the campus operation and will prevent continual power outages, sewer overflow, polluted storm drain run-off, computer network failures, and inadequate water pressure for fire suppression systems. New reclaimed water system and energy efficiency projects are included. Rooftop solar and solar array systems will be evaluated and constructed as implementation costs allow.</p> <p>COPS Debt Retirement (Project L2)– In 2008, a Certificates of Participation loan (COPS) was authorized by the Board of Trustees for various construction projects not included in the 2001 Measure R. This item will retire that debt. COPS projects include the Administration Building renovation match funds, exterior improvements for three buildings, and new parking lot construction.</p> <p>Temporary Space (Project L3) – Temporary housing must be arranged for classrooms and offices that are impacted by major renovation work or where existing facilities are demolished so new spaces can be constructed. Utilities and site improvements must be provided for all temporary units, and sites must be restored after the units are removed.</p> <p>Demolition (Project L4) – The Master Plan includes demolition and removal of seven buildings. Equipment Allowance</p> <p>(Project L5) – Allowance must be made for major instructional equipment necessary for the long-term operation of each facility. Contingency</p> <p>(Project L6) – Contingency funds must be available to cover excess construction cost inflation, necessary changes in project scope of work, and unforeseen elements. Any excess contingency will be used to further reduce scheduled maintenance and infrastructure improvement backlogs. Facility Improvement Projects</p> <p>(Projects L7A-C) – Several smaller renovation and space additions are necessary as secondary effects to the major projects. Projects include renovation of the old Agricultural Sciences Labs to provide teaching space, conversion of the old Bookstore into office space, and a new plan room for the Facilities Management offices.</p>
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PROJECT DEFINITION SUMMARY

K

June 6, 2010

PROJECT NAME	Scheduled Maintenance
BOND PROJECT LETTER	K
BUILDING NUMBER	TBD
DATE ORIGINALLY CONSTRUCTED	N/A
EXISTING BUILDING ASF/GSF	N/A
AREA OF WORK ASF	
AREA OF WORK GSF	
PROJECT BUDGET – STATE BOND	
PROJECT BUDGET – LOCAL BOND	
PROJECT BUDGET TOTAL	\$9,000,000
BOND PHASE OF WORK	
SCHEDULE	

PROJECT DESCRIPTION In conjunction with the State-funded Scheduled Maintenance grant system, this project will provide funding for scheduled maintenance projects across the campus in the following categories:

- Roofing Repair or Replacement
- Utility Repair or Replacement (electrical, lighting, alarm, water and sewer, drainage, data and communications systems, and energy management systems)
- Mechanical Equipment Repair or Replacement (chillers, boilers, cooling towers, and air handlers)
- Exterior Refinish and Repair (masonry, stucco, siding, doors, waterproofing, and painting)
- Other Critical Needs (erosion control, fencing, walkways, flooring, etc.)

PROJECT DEFINITION SUMMARY

L1-A

June 6, 2010

PROJECT NAME	San Jose Hills Entrance/Intersection Improvements
BOND PROJECT LETTER	L1-A
PROJECT BUDGET – STATE BOND	
PROJECT BUDGET – LOCAL BOND	
PROJECT D BUDGET TOTAL	\$2,200,000
BOND PHASE OF WORK	
SCHEDULE	Construction: Summer 2017 – Winter 2018

PROJECT DESCRIPTION The San Jose Hills Road entrance is the main access point to campus from the west. The area is currently plagued with traffic snarls (that back up onto Grand Avenue), inadequate pedestrian pathways, an ineffective drop-off zone, and underground utility systems that are in need of upgrade. This project will improve the flow of traffic at the four-way intersection on campus and create a secure connection with the access/fire road that serves the northeast campus area. New student, faculty and visitor parking will be developed and effective pedestrian circulation will be featured; including adequate public access to the Performing Arts Center and Founders Hall. Modifications to the pay lot B parking area will be included as necessary to accomplish complete corrections to traffic flow and resolve underground utility deficiencies. The continued need for the information booth will also be evaluated.

PROJECT DEFINITION SUMMARY

L1-B

June 6, 2010

PROJECT NAME	New Main Campus Entrance
BOND PROJECT LETTER	L1-B
PROJECT BUDGET – STATE BOND	
PROJECT BUDGET – LOCAL BOND	
PROJECT D BUDGET TOTAL	\$3,900,000
BOND PHASE OF WORK	
SCHEDULE	Construction: Fall 2014– Fall 2015

PROJECT DESCRIPTION As the Measure RR program unfolds, many new facilities will be built on the east side of the site. The campus begins to take shape around a central quad, oriented to the south of the Design Technology Center, east of the Student Services and Founders Hall facilities, west of the Humanities building and north of the Library, Learning Resources and Campus Center (Project A). This new geographic center point, which will be prominently identified by the new LRC/Campus Center, will be a primary destination and gathering place for many students, faculty, and staff; events will be planned in this area and it will be a place that the public will be invited to interface with the campus community. A new main entrance to campus in this area is essential. Not only will the campus community find improved access here, but the neighboring communities will benefit as well. By adding entrance points, commuter traffic will be able to move on and off campus more efficiently and deliveries will be centralized to the LRC/Campus Center, eliminating unsafe truck traffic in pedestrian areas and on campus traffic congestion.

The new main entrance project will add a traffic signal with dual left turn lanes on Temple Avenue between Mt. SAC Way and Bonita Drive, a multi lane entrance road that terminates with a safe, efficient drop off zone to the south of the new LRC/ Campus Center, and add short term, visitor and accessible parking. Underground utilities, pedestrian access, and landscape improvements will also be included. Aesthetic and infrastructure improvements to the main power station, traffic circulation, surface restoration, and landscape improvements to the adjacent student lot may be included if funds permit. The project is bounded on the south by Temple Avenue, on the west by Mt. SAC Way, on the northwest by the Science Laboratories building, on the north by the LRC/ Campus Center, and on the east by the Technology building.

Project sequencing - this work must be done in conjunction with the LRC/Campus Center project, and will require collaboration with the Walnut City Engineer. Ideally, this work will take place after additional student parking is available with the new parking structure.

PROJECT DEFINITION SUMMARY

L1-C

June 6, 2010

PROJECT NAME	Campus Site Improvements (South of Temple Avenue)
BOND PROJECT LETTER	L1-C
PROJECT BUDGET – STATE BOND	
PROJECT BUDGET – LOCAL BOND	
PROJECT D BUDGET TOTAL	\$5,000,000
BOND PHASE OF WORK	
SCHEDULE	Construction: Summer 2009 – Summer 2010

PROJECT DESCRIPTION

The Temple Avenue/Bonita Drive intersection has become heavily used by the campus community and general population for major athletic events. With the further development of the athletics complex to the south of Temple, the segment of Bonita from Temple, south to Stadium Way, must be widened and the south side of the intersection must be properly aligned with the northern section of Bonita Drive to allow for safe pedestrian crossing and efficient traffic flow. The project will include modifications to the traffic signal and the addition of a second left turn lane from eastbound Temple to northbound Bonita. The short term parking permit dispenser site will be made permanent, and identification signage will be updated.

Project sequencing - this work must be coordinated with the Walnut City Engineer, and must be done in conjunction with the major grading work to the east. Planning work for the Public Transportation Center should be completed early to eliminate conflicts with this project.

Business and Computer Technology building and golf driving range sites, and the parking surface will allow for student parking while the new structure is built. Oak and walnut trees that must be removed will be relocated to or replaced in the expanded Wildlife Sanctuary at a minimum rate of 1.5 to 1 as per the College's 2008 Supplemental Environmental Impact Report.

Optional scope of work includes reclamation of the retention basin northeast of the Hilmer Lodge Stadium, installation of utility points of connection for future buildings at this and the planned site for the Heritage Hall facility, additional field restrooms, and reconstruction of the stadium concession stand.

Project sequencing - this work must be scheduled such that the tennis courts can be relocated prior to the start of construction of the Business and Computer Technology building; temporary parking must be established to recover displaced parking at the north side of the campus, necessary to construct the parking structure; and a temporary field house must be constructed before the old field house can be demolished. Planning work for the Public Transportation Center should be completed early to eliminate conflicts with this project.

Funding Notes - Project funds for temporary space (field house), the Bonita/Temple and Temple/Lot F intersection, and the tennis courts relocations projects are in addition to this project. Funds for the golf driving range construction are included in the budget.

PROJECT DEFINITION SUMMARY

L1-D

June 6, 2010

PROJECT NAME	Temple & Bonita Intersection Improvements
BOND PROJECT LETTER	L1-D
PROJECT BUDGET – STATE BOND	\$
PROJECT BUDGET – LOCAL BOND	\$
PROJECT D BUDGET TOTAL	\$900,000
BOND PHASE OF WORK	
SCHEDULE	Construction: Spring 2010

PROJECT DESCRIPTION

The Temple Avenue/Bonita Drive intersection has become heavily used by the campus community and general population for major athletic events. With the further development of the athletics complex to the south of Temple, the segment of Bonita from Temple, south to Stadium Way, must be widened and the south side of the intersection must be properly aligned with the northern section of Bonita Drive to allow for safe pedestrian crossing and efficient traffic flow. The project will include modifications to the traffic signal and the addition of a second left turn lane from eastbound Temple to northbound Bonita. The short term parking permit dispenser site will be made permanent, and identification signage will be updated.

Project sequencing - this work must be coordinated with the Walnut City Engineer, and must be done in conjunction with the major grading work to the east. Planning work for the Public Transportation Center should be completed early to eliminate conflicts with this project.

PROJECT DEFINITION SUMMARY

L1-E

June 6, 2010

PROJECT NAME	Temple & Walnut Intersection Improvements
BOND PROJECT LETTER	L1-E
PROJECT BUDGET – STATE BOND	\$
PROJECT BUDGET – LOCAL BOND	\$
PROJECT D BUDGET TOTAL	\$340,000
BOND PHASE OF WORK	
SCHEDULE	Construction: Summer 2010

PROJECT DESCRIPTION

Under local bond Measures R and RR, three major building sites will be developed at the intersection of Bonita Drive and Walnut Avenue, where previously no buildings existed. The southeast corner of the intersection represents the largest parking area on campus. In order to ensure efficient traffic flow into the parking area and through the intersection, and safe pedestrian traffic to the three building sites, the intersection has been widened and realigned. Conduit infrastructure for the signal controls has also been installed as part of the first phase. This project is the final phase of the development of the Bonita and Walnut pedestrian safe intersection. The new signal will be installed with controlled pedestrian crossing, new crosswalks and wheelchair ramps will be added as necessary, and the lane striping at the intersection approach will be modified as needed at each roadway section.

Optional scope of work includes necessary improvements along Walnut Avenue, between Bonita Drive and parking lot G, to ensure that pedestrian crossing along this segment is safe and efficient.

Project Sequencing - safe pedestrian crossings must be established as the Agricultural Sciences project is occupied, while maintaining access to student parking lot F.

PROJECT DEFINITION SUMMARY

L1-F

June 6, 2010

PROJECT NAME	Walnut Drive/Parking Lot G Intersection Improvement
BOND PROJECT LETTER	L1-F
PROJECT BUDGET – STATE BOND	\$
PROJECT BUDGET – LOCAL BOND	\$
PROJECT D BUDGET TOTAL	\$650,000
BOND PHASE OF WORK	
SCHEDULE	Construction: Summer 2011

PROJECT DESCRIPTION

Student parking lot H contains nearly 1,000 parking spaces and is often full throughout the semester. Students that park in lot H must cross Walnut Avenue safely and without impeding traffic. Currently, pedestrian crossing exists at the north side of student parking lot G. As the Business and Design Technology Center facilities are occupied, the pedestrian traffic across Walnut Avenue will no longer naturally occur at the lot G crossing. Formal safe crossing must be established at several points along Walnut Avenue and unsafe crossing must be restricted. Crossing points will be established at the fire road west of the Language Center, at parking lot G, and at other points along Walnut as necessary. Crossing points will be controlled by electronic signal devices.

Optional scope of work (funding permitting) includes a pedestrian bridge from parking lot H to parking lot G; other sites may be considered.

Project Sequencing - safe pedestrian crossings must be established as the Design Technology Center is occupied.

PROJECT DEFINITION SUMMARY

L1-G

June 6, 2010

PROJECT NAME	Campus Quad
BOND PROJECT LETTER	L1-G
PROJECT BUDGET – STATE BOND	\$
PROJECT BUDGET – LOCAL BOND	\$
PROJECT D BUDGET TOTAL	\$950,000
BOND PHASE OF WORK	
SCHEDULE	Construction: Summer 2012 or Fall 2015

PROJECT DESCRIPTION

As the Measure RR program unfolds, many new facilities will be constructed to the east of the original campus core, and the reconfigured Campus begins to take shape around a large central quad bounded on the north by the Design Technology Center, on the west by the Student Services and Founders Hall facilities, on the east by the Humanities building, and to the south by the LRC/ Campus Center. This new geographic center of the campus will provide opportunities for gathering, visiting, studying, resting, contemplating, and interacting for the Campus community. Faculty and staff events will take place in this area, and the open space will balance the most densely built area of campus.

Designs for the campus quad will require input from virtually every group on campus. This process will provide an excellent opportunity to physically express many of the shared values of the community, to establish new traditions and invigorate old ones. The quad will be surrounded by main pedestrian walkways, and accessible pathways will diagonally across the open turf area. Many trees will provide shade and beauty, and landscape will be abundant. The area will be well lit and there will be ample seating with wireless connectivity available. Funds permitting, center sections may include shade structures, fixed seating, gardens, statuary, or other creative expressions of the character of Mt. San Antonio College. To ensure that this site remains undisturbed for the foreseeable future, underground utilities will be upgraded to current standards.

Project Sequencing - row building 16 must be demolished before the quad can be constructed. This area may also be required to support the construction of the new Learning Resources/ Campus Center as a construction lay down area.

PROJECT DEFINITION SUMMARY

L1-H

June 6, 2010

PROJECT NAME	Temple/Grand Intersection & Wildlife Sanctuary Improvements
BOND PROJECT LETTER	L1-H
PROJECT BUDGET – STATE BOND	\$
PROJECT BUDGET – LOCAL BOND	\$
PROJECT D BUDGET TOTAL	\$1,000,000 (Intersection \$250,000/ Sanctuary \$750,000)
BOND PHASE OF WORK	
SCHEDULE	

Phase 1	Construction Spring 0210 – Summer 2010
Phase 2	Construction Spring 2011 – Summer 2011
PROJECT DESCRIPTION	The 2001 Mt. San Antonio College Environmental Impact Report identified the Temple Avenue and Grand Avenue intersection as severely inadequate to serve the City of Walnut and Mt. SAC student traffic. The City of Walnut developed several options for the improvement of the intersection, each of which required both a financial contribution and a land dedication on the part of the College. The scenario determined to be most effective resulted in an approximately 1/10 th acre land dedication from the College’s Wildlife Sanctuary. In order to ensure the continued success of the sanctuary as a teaching tool and a valued community asset, the College has set aside approximately 4 additional acres to permanently expand the sanctuary boundaries.

The expanded sanctuary provides space to mitigate other environmental impacts of the Measure RR building program, and to develop new sample ecosystems for study and enjoyment. This project will upgrade some existing structures and systems within the current sanctuary boundaries, permanently fence the new land, bring in the plant species necessary to establish the new ecosystems, and construct new features. A safe bus drop off area will be considered as part of this project.

Project Sequencing - fencing and tree species must be established early to protect wildlife and to begin the growth process so that more mature plants will be available to study and enjoy as soon as possible. Aging asbestos containing irrigation piping must be removed and replaced early with a properly sized system to support the new, larger facility.

PROJECT DEFINITION SUMMARY

L1-I

June 6, 2010

PROJECT NAME	Campus Interior Site Improvements (3 Sites)
BOND PROJECT LETTER	L1-I
PROJECT BUDGET – STATE BOND	\$
PROJECT BUDGET – LOCAL BOND	\$
PROJECT D BUDGET TOTAL	\$2,700,000 (Site 1 \$650,000/ Site 2 \$650,000/ Site 3 \$900,000) Unallocated \$500,000
BOND PHASE OF WORK	
SCHEDULE	

Site 1
Site 2
Site 3

Construction Summer 2012 – Fall 2012
Construction Summer 2011 – Fall 2011
Construction: Winter 2012 – Summer 2013
As the various building projects are completed, it is important to make the required improvements to the adjacent sites so that the area is finished. This ensures that no further (planned) underground work will take place in the area, and surface improvements can be made knowing that the site will not further be disturbed. Interior site improvements will generally include permanent seating and gathering spaces, way-finding signage, underground utilities (power, domestic water, district heating and cooling water, fire suppression systems, irrigation water, natural gas, sewer, storm drains, data connectivity), pedestrian and emergency vehicle access, waste handling, and landscape development. The three sites are as follows:

Site 1 - Vacated Information Technology Building Site:
As the old Information Technology Building is demolished, and a new structure is built in its place, the surrounding area must be improved. This site is bounded to the south by the Learning Technology Center, to the west by the Performing Arts Center and Arts Complex, to the north by the Arts Studio (building 1A), and to the east by the Student Services building. The above listed elements will be addressed, primarily the utilities, the additional items will be evaluated with special attention to the grassy triangle adjacent to the fountain.

Site 2 -Vacated Agricultural Sciences Building:
As the old Agricultural Sciences building is renovated and the Design Technology Center project is occupied, the area previously used as construction lay-down will require attention to provide a finished space. Underground utilities in the area should not require major treatment as the adjacent building projects should have addressed that scope of work. The focus will be on pedestrian access, landscape and outdoor seating and gathering spaces.

Site 3 - Business Complex:
The Business and Computer Technology Center will be constructed on the site currently occupied by the tennis courts. The majority of the site improvement work will be included with that project, but it is important to reserve funds to ensure that pedestrian walkways, landscape, utilities and service vehicles access pathways effectively link up with the campus. A number of needs exist in the area that will be considered as part of this project. Connecting pedestrian pathways, a new entrance to the language center, and gathering spaces will be the focus.

Project Sequencing - all site work must be closely coordinated with the related building projects and other infrastructure work (fire lanes, quadrant infrastructure work, and pedestrian pathways).

PROJECT DEFINITION SUMMARY

L1-J

June 6, 2010

PROJECT NAME	Central Plant Improvements/ Energy Conservation
BOND PROJECT LETTER	L1-J
PROJECT BUDGET – STATE BOND	\$
PROJECT BUDGET – LOCAL BOND	\$
PROJECT D BUDGET TOTAL	\$3,900,000 (Central Plant \$1,400,000/ Energy Conservation \$2,500,000)
BOND PHASE OF WORK	
SCHEDULE	

PROJECT DESCRIPTION

Central Plant Expansion:
Measure R project 3 included the construction of a chilled water central plant and associated underground piping to serve the major buildings on campus. In 2006, the plant was extended to include the Agricultural Sciences and Child Development center projects. In order to effectively serve the new Business and Computer Technology building, and other facilities to be constructed under Measure RR, an additional chiller and cooling tower unit must be added. The original plant design contemplated such an expansion, allowing space and future connections. The added capacity will provide the cooling capacity to operate the campus on the hottest days while adding system redundancy during normal seasons.

Energy Conservation Projects:
The College has completed three phases of energy improvement projects and operates one of the most sophisticated building energy management systems in the community college system. Further energy savings measures will ensure that Mt. San Antonio College is operating as efficiently as possible. Source reduction strategies, building metering, existing building commissioning, and additional building automation projects will be planned and implemented to leverage available incentives in accordance with the College’s sustainability policies. Renewable energy systems will be evaluated and implemented as the final layer of the plan.

Project Sequencing - the Central Plant expansion must be on line and commissioned at the time construction is completed for the Business and Computer Technology Center. Energy Conservation projects must be complete by December 2011 to qualify for Public Utility Commission incentives.

PROJECT DEFINITION SUMMARY

L1-K

June 6, 2010

PROJECT NAME	Temple Avenue/Student Lot F Intersection Improvements
BOND PROJECT LETTER	L1-K
PROJECT BUDGET – STATE BOND	\$
PROJECT BUDGET – LOCAL BOND	\$
PROJECT D BUDGET TOTAL	\$2,900,000
BOND PHASE OF WORK	
SCHEDULE	Construction: Summer 2015 – Winter 2016

PROJECT DESCRIPTION

Student parking lot F currently has capacity for 750 vehicles. The lot does not function efficiently as there is only one viable exit and entrance. Wait times to exit the lot exceed 30 minutes at peak times thus making it an unattractive place to park. A signalized exit/entrance onto Temple Avenue will be created to alleviate this problem. Additionally, the entrance to the Hilmer Lodge Stadium and future site of the Heritage Hall facility currently requires an unsafe left turn across traffic. This intersection will establish dedicated left turn lanes in both directions, a deceleration lane and dedicated right turn lane into student parking lot F, from westbound Temple, and dedicated left and right turn lanes exiting the parking lot onto Temple Avenue. Pedestrian circulation across Temple will remain through the existing tunnel. Lighting and security measures will be added to the tunnel. Optional work will include improvements at the stadium entrance, surface improvements to the student lot, and a new landscaped frontage along the north side of Temple Avenue.

Project Sequencing - planning for this intersection must integrate with planning for the public transportation center and Heritage Hall Projects. Construction should start only after the new Parking Structure project is complete as many student parking spaces will be out of service during construction to provide contractor lay-down areas.

PROJECT DEFINITION SUMMARY

L

June 6, 2010

PROJECT NAME	East Campus main Fire Road Access
BOND PROJECT LETTER	L1-L
PROJECT BUDGET – STATE BOND	\$
PROJECT BUDGET – LOCAL BOND	\$
PROJECT D BUDGET TOTAL	\$2,200,000
BOND PHASE OF WORK	
SCHEDULE	Construction: February 2011

PROJECT DESCRIPTION

As Mt. San Antonio College has grown, open space on the east side of the campus has been targeted as the site of several new buildings. The Language/Health Careers Center, Student Health Center, and Central Plant were built early in the Measure R program. The Agricultural Sciences Laboratories and the final phase of the Bonita/Walnut intersection projects are currently under construction as two of the final Measure R projects. Under Measure RR, the Business and Computer Technology building will be built on the site currently occupied by tennis courts, and the Child Development Center will be constructed just north of Walnut Avenue.

In support of these major developments, a new fire access lane suitable for heavy fire and rescue equipment will be necessary. This project will reconstruct the temporary asphalt roadway west of the Language Center, add a new access road connecting the Language Center access road with student lot G to the west, and provide compliant fire equipment access to the Central Plant, the east side of the Humanities buildings, and to existing facilities just south of the main walkway that extends to the west of the pedestrian bridge. As funds permit, this project will also address the need for a pedestrian entrance on the west side of the Language Center, create a pedestrian pathway from student parking lot H to the buildings south of Walnut Avenue, and solve vehicle circulation problems around the Student Health Center.

Project Sequencing - planning for this work must be done in conjunction with the Business and Computer Technology building and related site improvements, the Walnut Drive/parking lot G intersection signalization work (project L1-F) , and the pedestrian corridor planned to extend to the east from the Humanities pedestrian access bridge. The tennis courts must also be relocated prior to construction.

PROJECT DEFINITION SUMMARY

L1-M

June 6, 2010

PROJECT NAME	Reclaimed Water System & Well Rehabilitation
BOND PROJECT LETTER	L1-M
PROJECT BUDGET – STATE BOND	\$
PROJECT BUDGET – LOCAL BOND	\$
PROJECT D BUDGET TOTAL	\$1,000,000
BOND PHASE OF WORK	
SCHEDULE	

PROJECT DESCRIPTION

Consistent with Mt. San Antonio College's commitment to resource conservation and stewardship, the College has conducted a detailed engineering study to determine the feasibility of implementing reclaimed water and reactivating several ground water wells that historically provided clean water for irrigation on the college farm. This study, conducted in 2006, recommends the use of reclaimed water from any of several potential sources for use in irrigating the sports fields south of Temple Avenue, the golf driving range, and several pastures to be used for livestock grazing. The study also recommends utilizing the ground water wells for irrigating the Wildlife Sanctuary. Funds identified for this project may best be used to leverage water conservation incentive funds available from local and state sources. The planned reclaimed water system includes storage facilities, a high capacity main feeder, and distribution and metering infrastructure. The ground water well rehabilitation will include upgrading two wells to serve the sanctuary and the conversion of one well into an observation well. It is estimated that this project will reduce the consumption of domestic water by a minimum of 20%.

Project Sequencing - planning for this work should begin as soon as Bond funds are available. Construction will depend upon the timeline for incentive funds.

SPACE PROJECTIONS

Mt SAC Credit Academic Programs

In 2008 the District employed a consultant, Dr. Grace Nitchell with Professional Personnel Leasing, Inc. to work with the Institutional Effectiveness Committee to develop an Educational Master Plan. This project was completed and the final document, the 2008-2009 Educational Master Plan was accepted by the Board of Trustees. The Educational Master Plan (EMP) provided much of the information necessary to complete a revised Facilities Master Plan for the District. As part of the overall Facilities Master Planning effort, a critical piece of the project was to evaluate the 2008-2009 Educational Master Plan and convert the projected WSCH into appropriate teaching and support facilities space needs. It was necessary to recalculate the weekly student contact hours (WSCH), the process progressed. In addition to calculating projected WSCH into assignable square feet (ASF), those planning projects identified in the Five Year Capital Construction Plan were integrated into all forecasted teaching space needs. Overall, in most cases with the number of projects and new structures identified in the planning cycle most of the identified academic and instructional deficiencies were addressed. The exceptions have been noted and highlighted for action.

Phase One:

A planning model was created to address the College’s capacity for future growth. The model took into account two vastly different projected growth rates found in the 2008-2009 Educational Master Plan. The more modest growth projection was adopted for this analysis. The result was an overall 2.2% growth in WSCH for the 13 year period covered by the analysis.

2007-2010 = 1.42%
 2010-2015 = 2.08%
 2015-2020 = 2.30 %

Due to some inconsistencies in the original data it became necessary to reevaluate the base data from 2007. This recalculation and assessment resulted in a lower total growth projection for the academic programs. With these factors taken into consideration, WSCH generated for the credit academic program (on a semester basis), has been projected to increase from 343,170 WSCH in the base year (2007) to 441,975 ASF by 2020.

It is anticipated that in time there will be adjustments to curricular content, new courses and programs introduced, and a significant increase in basic skills programming that supports student success efforts. While basic skills programs may increase disproportionately based on student body needs, those disciplines that currently command the greatest percentage share of the curriculum and produce the greatest percentage of WSCH are projected to maintain their position in the future.

Program of Instruction: Key Characteristics

The key characteristics of the current program of instruction are noted in the table that follows. The features include the number of sections, the total Weekly Student Contact Hours (WSCH), the WSCH per section, and the Full Time Equivalent Students (FTES) generated. The Fall 2007 semester was used as the baseline producing a snapshot in time.

Table 1: BASELINE SUMMARY

Division	Sec	WSCH	WSCH/Sec	FTES
Art	233	27,468	117.8	837.1
Business	347	39,348	113.4	1,199.2
Humanities/Soc Sci	882	104,384	118.3	3,181.2
Natural Science	543	81,525	150.1	2,484.6
Technology/Health	342	43,419	127.0	1,323.3
Physical Education	226	28,898	127.0	880.7
Learning Resources	138	14,948	108.3	455.6
Student Services	49	3,180	64.9	96.9
TOTAL	2,760	343,170	124.3	10,459

The detail and comprehensive breakdown by discipline and program can be found in Attachment A in this Appendix B.

Table 2. Profile for the Future Capacity to Generate WSCH by Program of Instruction

It should be noted that the projections for the future program of instruction are not intended as parameters for the curriculum content and/or actual numbers of sections to be offered in a term but rather to provide a perspective of what the current curriculum would look like if extended forward. Whatever the future curriculum becomes the need for space would still be governed by specified amounts of lecture and laboratory space.

Table 2 represents a summary of the projected WSCH capacity for the future program of instruction by Division. While the forecast is presented in summary form, the actual process was conducted at the discipline/program level. A comprehensive analysis by discipline/program can be found in Attachment A in this Appendix B.

Table 2: FUTURE CAPACITY OF GENERATE WSCH

Table 2 - Capacity To Generate WSCH Via The Future Program of Instruction																		
Division	WSCH 2007			Year 2010					Year 2015					Year 2020				
	N SEC	WSCH	FTEs	N Sec	Lec WSCH	Lab WSCH	Total WSCH	FTEs	N Sec	Lec WSCH	Lab WSCH	Total WSCH	FTEs	N SEC	Lec WSCH	Lab WSCH	Total WSCH	FTEs
Art	233	27,468	837	236	12,406	16,233	28,639	873	260	13,695	17,920	31,615	964	285	15,321	20,047	35,368	1,078
Business	347	39,348	1,199	354	31,032	10,441	41,474	1,264	391	33,900	11,389	45,288	1,380	428	37,922	12,739	50,661	1,544
Humanities & Social Sciences	882	104,384	3,181	898	106,784	2,321	109,105	3,325	984	117,585	2,557	120,142	3,662	1,089	131,543	2,860	134,403	4,096
Natural Sciences	543	81,525	2,485	555	61,509	23,035	84,544	2,577	612	68,320	25,513	93,833	2,860	682	76,429	28,541	104,969	3,199
Technology & Health	342	43,419	1,323	345	22,178	24,582	44,749	1,364	385	24,463	27,525	49,973	1,523	430	27,367	30,559	55,906	1,704
Physical Education	226	28,898	881	233	3,206	27,212	30,418	927	257	3,530	29,731	33,261	1,014	289	3,948	33,259	37,208	1,134
Learning Resources	138	14,948	456	138	10,512	5,067	15,578	519	151	11,611	5,700	17,311	528	159	12,990	6,376	19,366	590
Student Services	49	3,180	97	50	3,044	255	3,299	110	53	3,378	282	3,660	112	56	3,779	315	4,094	125
Total	2,760	343,170	10,459	2,809	250,671	109,146	357,806	10,959	3,093	276,482	120,617	395,083	12,041	3,418	309,299	134,696	441,975	13,470

Table 3. Future Space Growth Projections

Table 3 makes the jump from WSCH and projected WSCH to space and the facilities necessary to produce that WSCH. Starting with the 2008-2009 Educational Master Plan, spaces and the capacity to predict space needs for the program of instruction was the primary focus. The scope included a balance between what current space each program occupied, the projected need for programmatic space into the future, and then weaving all this into the state standards for instructional facilities found in Title 5 regulation.

For the purpose of this plan a factor of 20 assignable square feet (ASF) per student station was used to estimate lecture classroom space need. While the state standard for lecture space is currently 15 ASF per student station, this number has proved to be inadequate for both construction and instructional purposes. Due to modern classroom furniture types, technology considerations and classroom orientation, the more appropriate calculation is between 18 to 20 ASF.

Table 3 depicts projected space needs for the benchmark years, 2010, 2015 and 2020. The capacity to generate WSCH was used as the key element for identifying the amount of lecture and laboratory space required to support future programs of instruction.

Table 3: FUTURE ASF / SPACE NEEDS

Table 3 - Capacity To Generate ASF/Space Projections 2007 - 2020																	
Division	ASF 2010			Year 2010				Year 2015				Year 2020					
	Lec ASF	Lab ASF	Total ASF	N Sec	Lec ASF*	Lab ASF	Total ASF	N Sec	Lec ASF*	Lab ASF	Total ASF	N SEC	Lec ASF*	Lab ASF	Total ASF		
Art	2,643	48,813	51,456	236	7,805	40,431	48,236	260	8,616	44,633	53,249	285	9,640	49,931	59,571		
Business	11,969	19,357	31,326	354	19,523	20,221	39,744	391	21,329	22,076	43,405	428	23,863	24,695	48,559		
Humanities & Social Sciences	51,106	11,408	62,514	898	67,178	4,008	71,186	984	73,971	4,416	78,387	1,089	82,754	4,940	87,694		
Natural Sciences	46,116	74,263	120,379	555	38,697	64,344	103,041	612	42,978	71,463	114,441	682	48,081	79,944	128,025		
Technology & Health	26,474	78,517	104,991	345	13,952	66,094	80,046	385	15,392	74,216	89,608	430	17,215	83,027	100,242		
Physical Education				233	2,016	85,566	87,582	257	2,220	93,467	95,687	289	2,483	104,559	107,042		
Learning Resources	4,386	11,449	15,835	138	7,454	9,583	17,037	151	8,233	10,586	18,819	159	9,208	11,843	21,052		
Student Services	1,825	400	2,225	50	1,914	819	2,733	53	2,124	904	3,028	56	2,377	1,011	3,388		
Subtotal	144,519	244,207	388,726	2,809	158,539	291,066	449,605	3,093	174,863	321,761	496,624	3,418	195,621	359,950	555,573		
Space Not assigned	10,779	3,093	13,872														
Total	155,298	247,300	402,598														

* Lecture ASF adjusted to 20 ft per student station

Phase Two:

The scope of the assessment involved a review of the projects that have been planned and/or proposed for construction and/or remodeling. The objectives were to:

- Identify the key elements in each project and associate them with the discipline/department needs.
- Assist the District in its decision making process relative to a building/facilities program.

A review of these projects and planning documents was conducted and assessed for their impact on the current space utilization. As a result, these new constructions and/or proposed remodeling projects have been included in the overall instructional/discipline analysis. Their impact has been integrated into the estimate of overall instructional space needs and included as part of the overall academic facilities;

- Agriculture Science Complex
- Design & Online Tech Center
- Child Development Center
- Business & Computer Technology Center
- New Physical Education Complex
- Technology Building Renovation
- Fire Academy

ADJUSTED CREDIT SPACE PROJECTIONS (Five Divisions Only)

Academic Division*	Current ASF 2007	Projected Need 2020	Current ASF Plus New Projects 2020
Arts	51,456	59,571	66,816
Business	31,326	48,559	66,066
Humanities & Social Sciences	62,514	87,694	62,514
Natural Sciences	120,379	128,025	132,036
Technology & Health	104,991	100,242	122,812
TOTAL	370,666	424,091	446,244

**Physical Education, Learning Resources and Student Services omitted from this Table.*

Project Impact on Divisions

1.1 Arts Division:

The Arts Division currently has a total of 51,456 ASF and 37 classrooms. With the completion of the proposed Design & Online Technology Project (focused on the disciplines of Design, Animation and Graphics), the Arts Division will have a total 66,816 ASF and 52 classrooms. By 2020 it is estimated that this division should have a minimum of 36 instructional teaching locations. This addition should meet the division's instructional space needs for 2020.

1.2 Business Division:

The Business Division currently has a total of 31,326 ASF and 30 classrooms (14 lecture and 16 laboratories). By 2020 it is estimated the division should have at least 48,557 ASF and 47 classrooms to meet their scheduling needs, an estimated shortage of 17 classrooms. As a division with four basic areas of primary focus: Business and CIS disciplines, Child Development, and Consumer and Family Studies attention must be placed on diverse programmatic needs for facilities. In approximately 2015 the district has plans to add a new Business and Computing Technology Center which will result in a revised total of 45 classrooms (including instructional facilities for Consumer & Family Studies). The Child Development Project will add 5 rooms to the division and with the opening of the proposed Design & Online Technology Project, eight additional classrooms will be available to Family and Consumer Studies disciplines. Therefore, by 2020 the Business Division will have a total of 62,066 ASF and 57 instructional spaces. These Additions should meet the Division's need.

1.3 Humanities & Social Sciences Division:

The Humanities Division occupies four buildings for a total of 62,524 ASF and currently has 76 classrooms (68 lecture and 9 labs). As a Division with high enrollment projections plus a significant demand for lecture type space, the division suffers to meet scheduling demands. We estimate that the Humanities Division is currently short at least 4 lecture classrooms. As enrollment demand continues, by 2020 we estimate this division will need a total of 107 classrooms. This will result in a shortage of approximately 30 lecture type facilities. Planning for the future must therefore focus on a number of options. One option might be to remodel the old LRC vacated space for general classrooms use and/or the other option will be to consider a new "general purpose classroom building".

1.4 Natural Sciences Division:

The Natural Sciences Division is more easily addressed as three programmatic segments: the Agricultural disciplines, Physical and Life Sciences, and Mathematics. Overall the division has 120,379 ASF and 93 classrooms (49 Lecture and 44 laboratories). While the estimated need for ASF in 2020 is 128,024 and 92 classrooms, there remains some disproportional distribution of classroom spaces and some program areas that may require individual attention. With the addition of the new Agricultural Science Complex, the Agricultural programs will have sufficient space to meet their growth needs. In addition, this new space will bring the division total ASF to 132,036 and 96 classrooms. The Mathematics program has a total of 30 classrooms, but an overall need for a minimum of 32-33 rooms. While the Physical & Life Sciences has a total of 53 classrooms in 2020, the Life Sciences projects a need for 28 classrooms, but only 19 are available in the current distribution of facility space. By 2020, Mathematics will need an additional 3 classrooms and Life Sciences will need 9 lecture/ laboratory facilities.

1.5 Technology & Health Division:

Technology and Health Division currently has 105,591 ASF and 62 classrooms (27 lecture and 35 laboratories). While the estimated need for this division in 2020 is 100,243 ASF, below what they currently have, they will continue to need instructional space...at least 83 classrooms. Proposed plans for construction/reconstruction include a Technology Building Renovation (Bldgs 28A and 28B). This renovation will increase and redistribute available space to disciplines in this division. By 2020 the OCCED/CTE programs will have 38 instructional spaces (four over their need for 34 classrooms). The new Fire Academy Project will address the needs of this program with a planned new facility and an additional 5,000 ASF in instructional space. This division also benefits from the Design & Online Technology Center in added instructional spaces. The Health programs indicate a 2020 need for instructional space of 40 classrooms. By 2020 the Division will have 122,810 ASF and 76 classrooms, a shortage of 7 Instructional facilities.

1.6 Physical Education:

While the state does not provide any special assessment for Physical Education “labs” it does allocate a “seat capacity” and therefore space can be estimated for these programs. The proposed New Physical Education Complex facility allocations are well under what the discipline provides in Weekly Student Contact Hours/FTES. The project includes two gymnasiums, plus 12 additional instructional spaces. This appears adequate for 2020

* Classroom space needs focus directly on lecture and laboratory facilities and do not include support space and/or service areas to these programs.

Continuing Education / Non-Credit

The Continuing Education Non-Credit Programs were not addressed in the same manner as the credit programs received in the 2008-2009 Educational Master Plan. The overall assessment of the program was based primarily on:

- Costs versus income
- Census reports on enrollments and sections
- Fiscal impact of non-credit faculty.

The Continuing Education/Non-Credit program offers non-credit educational opportunities to the community’s older adult population, limited occupational certificates, non-credit English as a Second Language and High School programs for minors as well as adults completing valuable High School credentials. In addition, under the umbrella of Continuing Education are a number of non-credit graded laboratories that support credit students and are operated within the departments in which they reside.

Table 4: Profile for the Future Capacity of the Continuing Education Program to generate WSCH.

Continuing Education is a very viable program that generates a significant amount of WSCH to Mt. San Antonio College. Table 4 addresses this WSCH and its anticipated growth to the year 2020. A comprehensive analysis of function can be found in Attachment C in this Appendix B.

Table 4 - Capacity To Generate WSCH Via The Future Program of Instruction																		
Program	WSCH 2007			Year 2010					Year 2015					Year 2020				
	N SEC	WSCH	FTES	N Sec	Lec WSCH	Lab WSCH	Total WSCH	FTES	N Sec	Lec WSCH	Lab WSCH	Total WSCH	FTES	N SEC	Lec WSCH	Lab WSCH	Total WSCH	FTES
Older Adult Program	202	13,534	413	207	12,295	1,814	14,109	430	221	13,573	2,002	15,575	475	237	15,159	2,240	17,398	530
DSPS		1,000	31		314	729	1,042	32		346	805	1,151	35		387	900	1,287	39
English as a Second Language	121	19,562	596	128	20,482	39	20,521	625	138	22,466	44	22,510	639	152	25,146	57	25,203	715
Finess		1,700	52		1,771	0	1,771	54		1,956	0	1,956	60		2,188	0	2,188	67
Health Careers	17	794	24	18	0	828	828	25	18	0	914	914	28	20	0	1,023	1,023	31
Job Training & Voc Programs	6	1,470	45	6	912	620	1,532	47	6	1,007	684	1,691	52	6	1,126	765	1,892	58
Parent Education	4	612	19	5	638	0	638	19	5	705	0	705	22	5	788	0	788	24
Basic Skills		9,770	298		3,105	7,082	10,186	340		3,428	7,818	11,245	343		3,834	8,745	12,580	383
High School Referrals	25	3,090	94	25	1,574	1,648	3,222	107	31	1,737	1,819	3,556	108	31	1,941	2,032	3,973	121
HS Adult Diploma		2,618	80		195	2,531	2,726	91		215	2,795	3,010	92		241	3,122	3,362	103
Citizenship		35	1		37	0	37	1		40	0	40	1		40	0	40	1
Total	375	54,185	1,652	389	41,323	15,291	56,612	1,771	419	45,473	16,881	62,353	1,853	451	50,850	18,884	69,734	2,072

The Continuing Education services are currently housed in three closely related facility complexes on the Mt SAC campus. For the purposes of a Facilities Master Plan, the Continuing Education/Non-Credit Program can be divided into at least five categories of service to the College and to the Community:

1. Continuing Education Older Adult Program which is basically housed in facilities in off-campus locations and provides opportunities for seniors.
2. Vocational Education Program where non-credit students participate along with credit students in occupational courses offered throughout the college.
3. On-campus orientation, counseling for adjunct / basic skills and guidance, learning assistance, assessment and tutoring programs serving non-credit students.
4. Laboratory offerings are listed under the auspices of Continuing Education but operated with credit departments and utilized by credit students.
5. On-campus programs including English as a Second Language, the High School Referral Program and the High School Adult Diploma Program.

The Continuing Education services are currently housed in three closely related facility complexes on the Mt SAC campus. For the purposes of a Facilities Master Plan, the Continuing Education/Non-Credit Program can be divided into at least five categories of service to the College and to the Community addressing the need for campus facilities provided a new challenge. With the Continuing Education/ Non-Credit Program serving a variety of functions each with diverse needs for space, the process for developing a proposal for space/facilities into the future necessitated addressing a number of issues. Some programs, like the Job Training Vocational Education offerings are served by the existing credit facilities. Other functions share space with specific credit programs such as the Language Center, DSPS services and some Certified Nursing spaces. In most cases these shared facilities serve the District well in that human resource needs and fiscal costs are not duplicated. In order to address the Facility Master Plan objectives, it became necessary to extract those programs that require campus facilities and address them separately.

In order to compare curriculum from the various community colleges in the state, the State Chancellor’s Office uses a hierarchical taxonomy to code disciplines and programs into generic units known as the Taxonomy of Programs (TOP code). In the case of the majority of the Continuing Education/Non-Credit Program the standard TOP Code is 4900 (interdisciplinary studies) or one of its subcategories.

A comprehensive analysis by on-campus function can be found in Attachment D in this Appendix B.

The 2020 calculations and projected on-campus ASF is as follows:

1. Older Adult Lab	1,995 WSCH, and 3,411 ASF
2. Language Center	1,798 WSCH, and 4,621 ASF (Language Center)
3. Adult Basic Education	3,246 WSCH and 8,341 ASF
4. ESL	25,146 WSCH and 12,041 ASF
5. High School Referrals	3,973 WSCH and 6,140 ASF
6. High School Adult Diploma	3,362 WSCH and 8,136 ASF
7. Health Careers	1,023 WSCH and 2,189 ASF
Totaling	44,879 ASF

Table 5: Future Proposed On-Campus ASF and Space Needs for the Continuing Education Program.

Table 5 compares the current on-campus/non-credit facilities to future space needs for these programs. These space categories evaluate only those programs that require campus facilities to serve the programs in question. Programs meeting at off-campus locations or those Vocational Education programs meeting along with credit enrollments were not included in the ASF forecast. A comprehensive analysis can be found Attachment D in the Appendix B of this plan.

Table 5 - Capacity To Generate ASF/Space Projections 2007 - 2020																
Program*	ASF 2010			Year 2010				Year 2015				Year 2020				
	Lec ASF	Lab ASF	Total ASF	N Sec	Lec ASF	Lab ASF	Total ASF	N Sec	Lec ASF	Lab ASF	Total ASF	N SEC	Lec ASF	Lab ASF	Total ASF	
OAP Computer Lab	0	2,649	2,649	1	0	2,762	2,762	1	0	3,049	3,049	1	0	3,411	3,411	
ESL	8,376	95	8,471	128	9,688	99	9,787	138	10,626	114	10,741	152	11,894	147	12,041	
Health Careers	0	1,700	1,700		0	1,772	1,772		0	1,957	1,957		0	2,189	2,189	
Basic Skills																
Adult Basic Edu	0	6,478	6,478		0	6,754	6,754		0	7,456	7,456		0	8,341	8,341	
Language Ctr	0	3,589	3,589		0	3,742	3,742		0	4,131	4,131		0	4,621	4,621	
High School Referrals	648	4,061	4,709	25	745	4,234	4,979	31	822	4,674	5,496	31	915	5,222	6,140	
HS Adult Diploma	80	6,240	6,320		92	6,506	6,598		102	7,182	7,284		114	8,023	8,136	
Total	9,104	24,812	33,916	154	10,525	25,869	36,394	170	11,550	28,563	40,114	184	12,923	31,954	44,879	

* Only those programs on-campus requiring space

Lengthy discussions occurred with the administration related to what spaces would be gained or retained by the Continuing Education/Non-Credit program and which spaces would be need to address future capacities. The following Table 6 proposes a resolution to the issue.

Table 6: PROPOSED INSTRUCTIONAL SPACE ARRAY

Building	Lecture/Rms	Lab/Rms	Other	Total
40	8,543 (9)	4,329 (3)		12,871
30	4,008 (4)		759 (1)	4,767
Temp. Trailers* (31A,B, 38A,B)	7,935 (11)	625 (1)		8,560
66	12,760 (19)	2,477 (3)		15,237
Lang. Lab		5,000		5,000
TOTAL				46,435

*Temporary Lecture Rooms will need future replacement in a new location

Attachment A

MT SAN ANTONIO COLLEGE
2007 - 2020
WSCH Forecast - Art

Dated: 3/30/2010

Discipline	Actual						Projected																			
	Current Profile - Fall Semester 2007						2010					2015					2020									
	# of Sec	WSCH	Sec	FTEs	Lec Hrs	Lab Hrs	# of Sec	Lec WSCH	Lab WSCH	Total WSCH	FTEs	# of Sec	Lec WSCH	Lab WSCH	Total WSCH	FTEs	# of Sec	Lec WSCH	Lab WSCH	Total WSCH	FTEs					
Commercial & Entertainment Arts:																										
<i>Art: Advert Design/Graphics</i>	9	1,364	151.5	41.6	33.3%	66.7%	9	473	948	1,422	43.3	10	523	1,047	1,569	47.8	11	585	1,171	1,756	53.5					
<i>Art: Animation</i>	18	2,491	138.4	75.9	33.3%	66.7%	18	865	1,732	2,597	79.1	20	955	1,912	2,867	87.4	22	1,068	2,139	3,207	97.7					
<i>Art: Computer Graphics</i>	9	1,030	114.4	31.4	37.5%	62.5%	9	403	671	1,073	32.7	9	444	741	1,185	36.1	10	497	829	1,326	40.4					
<i>Photographics</i>	21	2,242	106.8	68.3	35.0%	65.0%	20	818	1,519	2,338	71.2	23	903	1,677	2,581	78.6	24	1,010	1,877	2,887	88.0					
<i>Radio-Television</i>	17	1,369	80.5	41.7	58.7%	41.3%	17	838	590	1,428	43.5	18	925	651	1,576	48.0	19	1,035	728	1,763	53.7					
Fine Arts:																										
<i>Art: Basic Studio Arts</i>	5	692	138.4	21.1	33.3%	66.7%	5	240	481	721	22.0	6	265	531	796	24.3	6	297	594	891	27.1					
<i>Art: Gallery & Prof Practices</i>	1	81	81.0	2.5	33.3%	66.7%	1	28	56	84	2.6	1	31	62	93	2.8	1	35	70	104	3.2					
<i>Art: Special Studio Arts</i>	0	99		3.0	25.0%	75.0%	1	26	77	103	3.1	1	28	85	114	3.5	2	32	95	127	3.9					
<i>Art: 3-Dimen Studio Arts</i>	13	2,187	168.2	66.7	33.3%	66.7%	13	759	1,521	2,280	69.5	15	838	1,679	2,517	76.7	16	938	1,878	2,816	85.8					
<i>Art: 2-Dimen Studio Arts</i>	27	4,418	163.6	134.6	33.3%	66.7%	28	1,534	3,072	4,606	140.4	30	1,693	3,392	5,085	155.0	33	1,894	3,794	5,688	173.4					
Music:																										
<i>Music</i>	97	10,126	104.4	308.6	52.8%	47.2%	99	5,574	4,983	10,557	321.7	109	6,154	5,501	11,654	355.2	122	6,884	6,154	13,038	397.4					
Theatre Arts																										
<i>Theatre Arts</i>	16	1,371	85.7	41.8	59.3%	40.7%	16	848	582	1,430	43.6	18	936	642	1,578	48.1	19	1,047	719	1,765	53.8					
subtotal	233	27,468	117.89	837.1			236	12,406	16,233	28,639	872.8	260	13,695	17,920	31,615	963.5	285	15,321	20,047	35,368	1,078					

WSCH Forecast - Business

Dept	Discipline	Actual						Projected																		
		Current Profile - Fall Semester 2007						2010					2015					2020								
		# of Sec	WSCH	Sec	FTEs	Lec Hrs	Lab Hrs	# of Sec	Lec WSCH	Lab WSCH	Total WSCH	FTEs	# of Sec	Lec WSCH	Lab WSCH	Total WSCH	FTEs	# of Sec	Lec WSCH	Lab WSCH	Total WSCH	FTEs				
Accounting & Management:																										
<i>Business: Accounting</i>	33	4,858	147.2	148.0	86.8%	13.2%	34	4,548	692	5,239	159.7	38	4,853	738	5,591	170.4	42	5,429	826	6,255	190.6					
<i>Business: Management</i>	23	2,470	107.4	75.3	100.0%	0.0%	24	2,664	0	2,664	81.2	26	2,843	0	2,843	86.7	30	3,181	0	3,181	96.9					
Business Administration:																										
<i>Business: Economics</i>	24	2,669	111.2	81.4	100.0%	0.0%	25	2,679	0	2,679	81.6	27	3,072	0	3,072	93.6	31	3,437	0	3,437	104.7					
<i>Business: Law</i>	16	1,574	98.4	48.0	100.0%	0.0%	16	1,641	0	1,641	50.0	17	1,811	0	1,811	55.2	18	2,026	0	2,026	61.8					
<i>Business: Paralegal</i>	13	1,320	101.6	40.2	90.0%	10.0%	13	1,239	138	1,377	42.0	14	1,368	152	1,520	46.3	15	1,530	170	1,700	51.8					
<i>Real Estate</i>	17	1,794	105.5	54.7	81.3%	18.7%	18	1,521	350	1,870	57.0	19	1,679	386	2,065	62.9	21	1,878	432	2,310	70.4					
<i>Business: Sales, Merchand & Mkt</i>	9	669	74.3	20.4	84.4%	15.6%	8	588	109	697	21.2	9	650	120	770	23.5	9	727	134	861	26.2					
Child Development:																										
<i>Child Development</i>	55	5,235	95.2	159.5	85.0%	15.0%	56	4,762	840	5,602	170.7	62	5,121	904	6,025	183.6	65	5,729	1,011	6,740	205.4					
Computer Information Systems:																										
<i>CIS: Beginning</i>	26	4,227	162.6	128.8	58.0%	42.0%	27	2,505	1,814	4,320	131.6	29	2,822	2,044	4,866	148.3	32	3,157	2,286	5,443	165.9					
<i>CIS: Database</i>	3	492	164.0	15.0	50.0%	50.0%	3	257	257	513	15.6	3	283	283	566	17.3	4	317	317	634	19.3					
<i>CIS: Management</i>	1	81	80.8	2.5	66.7%	33.3%	1	56	28	84	2.6	1	62	31	93	2.8	1	69	35	104	3.2					
<i>CIS: Networking</i>	7	1,074	153.4	32.7	50.0%	50.0%	7	560	560	1,119	34.1	8	618	618	1,236	37.7	9	691	691	1,382	42.1					
<i>Business: Office Technology</i>	6	543	90.4	16.5	32.0%	68.0%	6	181	385	566	17.2	7	200	425	624	19.0	7	224	475	699	21.3					
<i>Computer Applications</i>	23	2,671	116.1	81.4	57.8%	42.2%	24	1,610	1,175	2,785	84.9	26	1,777	1,297	3,074	93.7	27	1,988	1,451	3,439	104.8					
<i>CIS: Programming</i>	9	1,437	159.7	43.8	50.0%	50.0%	9	866	866	1,733	52.8	10	827	827	1,654	50.4	11	925	925	1,850	56.4					
<i>CIS: Security</i>	5	644	128.7	19.6	50.0%	50.0%	5	336	336	671	20.5	5	370	370	741	22.6	6	414	414	829	25.3					
<i>CIS: Web Applications</i>	3	341	113.6	10.4	50.0%	50.0%	3	178	178	355	10.8	3	196	196	392	12.0	3	219	219	439	13.4					
<i>CIS: Work Experience</i>	0	7		0.2	0.0%	0.0%	0	4	4	7	0.2	0	4	4	8	0.2	0	4	4	8	0.2					
Consumer & Design Technologies																										
<i>Family & Consumer Studies</i>	12	1,155	96.2	35.2	50.0%	50.0%	12	602	602	1,204	36.7	13	665	665	1,329	40.5	15	743	743	1,487	45.3					
<i>Fashion Merchandising & Design</i>	17	1,644	96.7	50.1	58.6%	41.4%	17	1,005	710	1,714	52.2	23	1,109	784	1,893	57.7	26	1,241	877	2,117	64.5					
<i>Hospitality & Restaurant</i>	6	774	129.0	23.6	0.0%	100.0%	6	0	807	807	24.6	7	0	891	891	27.1	8	0	997	997	30.4					
<i>Interior Design</i>	9	972	108.0	29.6	72.0%	28.0%	9	730	284	1,013	30.9	10	805	313	1,119	34.1	10	900	350	1,250	38.1					
<i>Nutrition & Food</i>	30	2,699	90.0	82.2	89.0%	11.0%	31	2,504	310	2,814	85.8	34	2,765	342	3,106	94.7	38	3,093	382	3,475	105.9					
347	39,348	113.4	1,199.2				354	31,032	10,441	41,474	1,264.0	391	33,900	11,389	45,288	1,380.2	428	37,922	12,739	50,661	1,544.0					

**MT SAN ANTONIO COLLEGE
2007 - 2020
WSCH Forecast - Humanities & Social Sciences**

Dept	Discipline	Actual						Projected														
		Current Profile - Fall Semester 2007						2010					2015					2020				
		# of Sec	WSCH	Sec	FTES	Lec Hrs	Lab Hrs	# of Sec	Lec WSCH	Lab WSCH	Total WSCH	FTES	# of Sec	Lec WSCH	Lab WSCH	Total WSCH	FTES	# of Sec	Lec WSCH	Lab WSCH	Total WSCH	FTES
American Language:																						
American Language (Credit ESL)		33	3,358	101.7	102.3	100.0%	0.0%	33	3,501	0	3,501	106.7	37	3,865	0	3,865	117.8	38	4,323	0	4,323	131.8
Child Development:																						
Speech Communication		63	5,482	87.0	167.1	88.0%	12.0%	63	5,030	686	5,715	174.2	69	5,552	757	6,309	192.3	72	6,212	847	7,059	215.1
English, Literature, Journalism:																						
English		202	23,680	117.2	721.7	100.0%	0.0%	206	25,181	0	25,181	767.4	227	27,254	0	27,254	830.6	254	30,490	0	30,490	929.2
English (Basic Skills)		85	10,724	126.2	326.8	100.0%	0.0%	86	11,181	0	11,181	340.8	95	12,343	0	12,343	376.2	106	13,809	0	13,809	420.8
Journalism		12	914	76.2	27.9	37.0%	63.0%	12	353	601	953	29.0	13	389	663	1,052	32.1	15	436	742	1,177	35.9
Latin		1	167	166.5	5.1	100.0%	0.0%	1	174	0	174	5.3	1	192	0	192	5.8	1	214	0	214	6.5
Literature		12	1,038	86.5	31.6	100.0%	0.0%	12	1,082	0	1,082	33.0	13	1,195	0	1,195	36.4	14	1,336	0	1,336	40.7
Foreign Languages:																						
Foreign Language: Chinese		18	1,940	107.8	59.1	93.0%	7.0%	18	1,881	142	2,023	61.6	19	2,077	156	2,233	68.1	20	2,323	175	2,498	76.1
Foreign Language: French		14	1,477	105.5	45.0	97.4%	2.6%	14	1,500	40	1,540	46.9	16	1,656	44	1,700	51.8	16	1,853	50	1,902	58.0
Foreign Language: German		3	342	114.0	10.4	95.0%	5.0%	3	342	18	360	11.0	3	374	20	394	12.0	4	418	22	440	13.4
Foreign Language: Italian		12	1,480	123.3	45.1	98.1%	1.9%	12	1,513	29	1,543	47.0	13	1,671	32	1,703	51.9	15	1,869	36	1,905	58.1
Foreign Language: Japanese		24	2,971	123.8	90.6	96.0%	4.0%	24	2,974	124	3,098	94.4	26	3,283	137	3,420	104.2	29	3,673	153	3,826	116.6
Foreign Language: Spanish		54	6,539	121.1	199.3	97.0%	3.0%	54	6,616	205	6,821	207.9	58	7,300	226	7,526	229.4	63	8,167	253	8,419	256.6
History, Art History, Geography, Political Science																						
American History		16	1,729	108.1	52.7	100.0%	0.0%	16	1,802	0	1,802	54.9	18	1,990	0	1,990	60.6	19	2,226	0	2,226	67.8
Geography		10	856	85.6	26.1	90.0%	10.0%	9	803	89	892	27.2	10	887	99	985	30.0	11	992	110	1,102	33.6
History		66	9,028	136.8	275.1	100.0%	0.0%	70	9,413	0	9,413	286.9	77	10,391	0	10,391	316.7	86	11,625	0	11,625	354.3
Humanities		1	303	303.3	9.2	100.0%	0.0%	1	316	0	316	9.6	1	349	0	349	10.6	1	391	0	391	11.9
Political Science		37	4,994	135.0	152.2	100.0%	0.0%	38	5,207	0	5,207	158.7	42	5,749	0	5,749	175.2	48	6,431	0	6,431	196.0
Psychology & Education:																						
Education		3	283	94.4	8.6	100.0%	0.0%	3	263	0	263	8.0	2	326	0	326	9.9	4	365	0	365	11.1
Psychology		62	8,240	132.9	251.1	96.5%	3.5%	63	8,419	305	8,724	265.9	69	9,151	332	9,483	289.0	78	10,238	371	10,609	323.3
Sign Language:																						
Sign Language		26	2,939	113.0	89.6	97.3%	2.7%	26	2,981	83	3,064	93.4	28	3,291	91	3,383	103.1	32	3,682	102	3,784	115.3
Sociology, Philosophy:																						
Philosophy		59	6,407	108.6	195.3	100.0%	0.0%	60	6,406	0	6,406	195.2	66	7,374	0	7,374	224.7	72	8,249	0	8,249	251.4
Sociology		69	9,494	137.6	289.3	100.0%	0.0%	74	9,846	0	9,846	300.1	81	10,927	0	10,927	333.0	91	12,224	0	12,224	372.5
		882	104,384	118.3	3,181.2			898	106,784	2,321	109,105	3,325.1	984	117,585	2,557	120,142	3,661.5	1,089	131,543	2,860	134,403	4,096.1

WSCH Forecast - Natural Sciences

Division	Discipline/Program	Actual						Projected														
		Current Profile - Fall Semester 2007						2010					2015					2020				
		# of Sec	WSCH	Sec	FTES	Lec Hrs	Lab Hrs	# of Sec	Lec WSCH	Lab WSCH	Total WSCH	FTES	# of Sec	Lec WSCH	Lab WSCH	Total WSCH	FTES	# of Sec	Lec WSCH	Lab WSCH	Total WSCH	FTES
Agricultural Sciences:																						
Agriculture: Animal Health Tech		10	1,320	132.0	40.2	42.7%	57.3%	10	588	788	1,376	41.9	11	649	870	1,519	46.3	12	726	974	1,699	51.8
Agriculture: Animal Sci General		9	1,282	142.4	39.1	74.2%	25.8%	9	992	345	1,337	40.7	10	1,095	381	1,476	45.0	12	1,225	426	1,651	50.3
Agriculture: General Subject		2	245	122.4	7.5	12.0%	88.0%	2	31	225	255	7.8	2	34	248	282	8.6	2	38	277	315	9.6
Agriculture: Livestock Production		8	1,046	130.7	31.9	62.1%	37.9%	8	542	331	872	26.6	9	748	456	1,204	36.7	10	836	510	1,347	41.0
Agriculture: Ornamental Horticulture		17	2,290	134.7	69.8	33.0%	67.0%	18	788	1,600	2,388	72.8	19	870	1,766	2,636	80.3	22	973	1,976	2,949	89.9
Animal Science: Pet Science		4	411	102.9	12.5	83.8%	16.2%	4	360	70	429	13.1	4	397	77	474	14.4	5	444	86	530	16.1
Biological Sciences:																						
Anatomy and Physiology		35	8,647	247.0	263.5	38.0%	62.0%	36	3,426	5,589	9,015	274.7	39	3,782	6,170	9,952	303.3	44	4,231	6,902	11,133	339.3
Anthropology		18	1,909	106.0	58.2	89.6%	10.4%	18	1,783	207	1,990	60.6	20	1,968	228	2,197	66.9	23	2,202	256	2,457	74.9
Biology		68	12,045	177.1	367.1	88.5%	31.5%	70	8,603	3,956	12,559	382.7	78	9,497	4,367	13,864	422.5	87	10,624	4,886	15,510	472.7
Histotechnology		4	455	113.7	13.9	35.0%	65.0%	4	170	315	485	14.8	4	183	340	524	16.0	5	205	381	586	17.9
Microbiology		9	1,807	200.7	55.1	48.8%	53.2%	9	882	1,002	1,884	57.4	10	973	1,106	2,079	63.4	11	1,089	1,238	2,326	70.9
Chemistry:																						
Chemistry		34	7,740	227.7	235.9	38.1%	61.9%	35	3,075	4,995	8,070	245.9	39	3,394	5,515	8,909	271.5	40	3,797	6,169	9,966	303.7
Earth Sciences & Astronomy:																						
Astronomy		19	1,592	83.8	48.5	67.0%	33.0%	19	1,112	548	1,660	50.6	21	1,228	605	1,832	55.8	23	1,373	676	2,050	62.5
Geology		22	2,185	99.3	66.6	71.0%	29.0%	22	1,617	661	2,278	69.4	25	1,786	729	2,515	76.6	28	1,997	816	2,813	85.7
Meteorology		3	259	86.5	7.9	66.0%	34.0%	3	179	92	271	8.2	3	197	102	299	9.1	3	221	114	334	10.2
Oceanography		18	1,766	98.1	53.8	77.1%	22.9%	18	1,419	422	1,841	56.1	20	1,567	465	2,032	61.9	22	1,753	521	2,274	69.3
Mathematics, Computer Science:																						
Computer Science		5	379	75.8	11.5	58.7%	41.3%	4	232	163	395	12.0	5	256	180	436	13.3	5	286	202	488	14.9
Mathematics		189	27,382	144.9	834.5	100.0%	0.0%	196	28,302	0	28,302	862.5	216	31,517	0	31,517	960.5	242	35,257	0	35,257	1074.5
Mathematics (Basic Skills)		42	4,880	116.2	148.7	100.0%	0.0%	43	5,088	0	5,088	155.1	48	5,617	0	5,617	171.2	53	6,284	0	6,284	191.5
Physics & Engineering:																						
Engineering		4	270	67.4	8.2	76.9%	23.1%	4	216	65	281	8.6	4	239	72	311	9.5	5	267	80	347	10.6
Physical Sciences		8	758	94.8	23.1	71.1%	28.9%	8	562	229	791	24.1	9	621	252	873	26.6	10	694	282	976	29.8
Physics		14	2,756	196.9	84.0	52.3%	47.7%	14	1,503	1,371	2,874	87.6	15	1,659	1,513	3,172	96.7	17	1,856	1,693	3,549	108.2
Surveying		1	101	101.2	3.1	40.0%	60.0%	1	42	63	106	3.5	1	47	70	117	3.6	1	52	78	130	4.0
		543	81,525	150.1	2,484.6			555	61,509	23,035	84,544	2,576.9	612	68,320	25,513	93,833	2,859.7	682	76,429	28,541	104,969	3,199.1

**MT SAN ANTONIO COLLEGE
2007 - 2020
WSCH Forecast - Technology & Health**

		Actual					Projected																
		Current Profile - Fall Semester 2007					2010					2015					2020						
Division	Discipline/Program	# of Sec	WSCH	Sec	FTES	Lec Hrs	Lab Hrs	# of Sec	Lec WSCH	Lab WSCH	Total WSCH	FTES	# of Sec	Lec WSCH	Lab WSCH	Total WSCH	FTES	# of Sec	Lec WSCH	Lab WSCH	Total WSCH	FTES	
Air Conditioning, Welding & Water:																							
	Air Conditioning & Refrigeration	14	1722	123.0	52.5	51.6%	48.4%	14	927	869.2	1,796	54.7	17	1023	960	1,983	60.4	19	1144.4	1073.4	2,218	67.6	
	Water Technology	4	435	108.7	13.2	100.0%	0.0%	4	453	0	453	13.8	4	500	0	500	15.3	5	559.8	0	560	17.1	
	Welding	15	1725	115.0	52.6	19.6%	80.4%	15	353	1446	1,799	54.8	15	389	1596	1,986	60.5	18	435.4	1785.8	2,221	67.7	
Architecture & Engineering Design:																							
	Architectural Technology	22	2878	130.8	87.7	37.5%	62.5%	21	1125	1875.7	3,001	91.5	23	1242	2071	3,313	101.0	24	1389.9	2316.5	3,706	113.0	
	Engineering Design Technology	4	498	124.5	15.2	42.5%	57.5%	4	221	298.6	519	15.8	5	244	330	573	17.5	5	272.6	368.7	641	19.5	
	Inspection & Estimating	3	273	91.0	8.3	100.0%	0.0%	3	285	0	285	8.7	4	314	0	314	9.6	4	351.5	0	352	10.7	
Aircraft Maintenance & Manufacturing:																							
	Aircraft Maintenance Technology	6	1684	280.7	51.3	22.0%	78.0%	6	387	1372.1	1,759	53.6	6	426	1512	1,938	59.1	7	477	1691.3	2,168	66.1	
	Manufacturing Technology	6	548	91.3	16.7	28.6%	71.4%	6	163	407.8	571	17.4	10	180	450	631	19.2	11	201.8	503.7	706	21.5	
Aeronautics, Transportation:																							
	Aeronautics	22	2301	104.6	70.1	96.0%	4.0%	22	2303	95.9	2,399	73.1	25	2542	106	2,648	80.7	28	2843.9	118.5	2,962	90.3	
	Air Traffic Control	8	629	78.6	19.2	70.0%	30.0%	8	459	196.6	655	20.0	9	507	217	724	22.1	10	566.6	242.8	809	24.7	
	Transportation	2	233	116.3	7.1	100.0%	0.0%	2	242	0	242	7.4	2	268	0	268	8.2	2	299.4	0	299	9.1	
Electronics & Computer Technology:																							
	Computer & Network Technology	6	714	119.1	21.8	59.0%	41.0%	6	440	305.4	745	22.7	8	485	337	822	25.1	9	542.7	377.2	920	28.0	
	Electronics	19	1745	91.9	53.2	30.0%	70.0%	19	546	1273.9	1,820	55.5	24	603	1406	2,009	61.2	27	674.2	1573.2	2,247	68.5	
	Electronics Mathematics	3	128	42.8	3.9	100.0%	0.0%	3	134	0	134	4.1	3	148	0	148	4.5	3	165.1	0	165	5.0	
	Electronics System Technology	3	337	112.3	10.3	50.0%	50.0%	3	176	175.7	351	10.7	3	194	194	388	11.8	3	217	217	434	13.2	
Fire Technology:																							
	Fire Technology	30	4870	162.3	148.4	93.0%	7.0%	31	4901	368.9	5,270	160.6	35	5212	392	5,605	170.8	39	5830.8	438.9	6,270	191.1	
Medical Services:																							
	Emergency Medical Services	9	1264	140.4	38.5	24.0%	76.0%	9	316	1001.2	1,317	40.1	9	349	1105	1,454	44.3	11	390.5	1236.5	1,627	49.6	
	Emergency Medical Technology	3	1098	366.0	33.5	68.0%	32.0%	3	781	367.5	1,149	35.0	4	859	404	1,264	38.5	4	961.4	452.4	1,414	43.1	
	Physicians Assistance Technology	2	743	371.3	22.6	44.0%	56.0%	2	341	433.5	774	23.6	2	376	479	855	26.0	2	420.6	535.4	956	29.1	
	Physical Therapy	1	202	202.2	6.2	50.0%	50.0%	1	105	105.4	211	6.4	1	116	116	233	7.1	1	130.2	130.2	260	7.9	
	Services Learning	5	267	53.4	8.1	14.3%	85.7%	5	40	238.5	278	8.5	5	44	263	307	9.4	6	49.1	294.5	344	10.5	
Mental Health:																							
	Mental Health/Psychiatric Tech	18	3400	188.9	103.6	22.4%	77.6%	18	794	2751.1	3,545	108.0	19	877	3037	3,914	119.3	21	980.7	3397.6	4,378	133.4	
Nursing:																							
	Nursing	74	8385	113.3	255.5	23.0%	77.0%	76	1845	6177.4	8,023	244.5	81	2220	7431	9,650	294.1	94	2483.3	8313.6	10,797	329.0	
Public Services:																							
	Administration Of Justice: Law	37	3329	90.0	101.4	88.0%	12.0%	38	3054	416.5	3,471	105.8	42	3372	459.7	3,831	116.8	44	3771.7	514.3	4,286	130.6	
	Correctional Science	4	344	85.9	10.5	100.0%	0.0%	4	358	0	358	10.9	4	396	0	396	12.1	5	442.6	0	443	13.5	
Radiologic Technology:																							
	Radiologic Technology	10	1670	167.0	50.9	26.3%	73.7%	10	458	1283.1	1,741	53.1	11	506	1416.5	1,922	58.6	12	565.5	1584.6	2,150	65.5	
Respiratory Therapy:																							
	Medical Terminology	4	563	140.7	17.2	100.0%	0.0%	4	587	0	587	17.9	5	648	0	648	19.7	6	724.6	0	725	22.1	
	Respiratory Therapy	8	1,435	179.4	43.7	25.7%	74.3%	8	385	1,112	1,496	45.6	9	425	1,227	1,652	50.3	10	475	1,373	1,848	56.3	
		342	43,419	127.0	1,323.3			345	22,178	24,582	44,749	1,363.8	385	24,463	27,525	49,973	1,523.0	430	27,367	30,559	55,906	1,703.8	

WSCH Forecast - Physical Education

		Actual					Projected																
		Current Profile - Fall Semester 2007					2010					2015					2020						
Division	Discipline/Program	# of Sec	WSCH	Sec	FTES	Lec Hrs	Lab Hrs	# of Sec	Lec WSCH	Lab WSCH	Total WSCH	FTES	# of Sec	Lec WSCH	Lab WSCH	Total WSCH	FTES	# of Sec	Lec WSCH	Lab WSCH	Total WSCH	FTES	
Dance:																							
	Dance: Activity	40	2,675	66.9	81.5	0.0%	0.0%	41	0	2,789	2,789	85.0	45	0	3,079	3,079	93.8	51	0	3,445	3,445	105.0	
	Dance: Theory	2	226	112.9	6.9	100.0%	0.0%	2	235	0	235	7.2	2	260	0	260	7.9	2	291	0	291	8.9	
Physical Education:																							
	Physical Education: Athletics	24	7,287	303.6	222.1	0.0%	100.0%	25	0	7,597	7,597	231.5	28	0	8,387	8,387	255.6	31	0	9,382	9,382	285.9	
	Physical Education: Adaptive	2	67	33.7	2.1	0.0%	100.0%	2	0	70	70	2.1	2	0	78	78	2.4	3	0	87	87	2.6	
	Physical Education: Aquatics	5	602	120.5	18.4	0.0%	100.0%	5	0	628	628	19.1	6	0	693	693	21.1	6	0	776	776	23.6	
	Physical Education: Fitness	68	9,444	138.9	287.8	3.0%	97.0%	71	304	9,832	10,136	308.9	78	326	10,544	10,870	331.3	88	365	11,795	12,160	370.6	
	Physical Education: Individual	38	3,505	92.2	106.8	0.0%	100.0%	38	0	3,654	3,654	111.4	42	0	4,034	4,034	122.9	47	0	4,513	4,513	137.5	
	Physical Education: Team Sports	17	1,635	96.2	49.8	0.0%	100.0%	18	0	1,705	1,705	52.0	19	0	1,882	1,882	57.4	22	0	2,106	2,106	64.2	
	Physical Education: Theory	30	3,456	115.2	105.3	74.0%	26.0%	31	2,666	937	3,603	109.8	35	2,944	1,034	3,978	121.2	39	3,293	1,157	4,450	135.6	
		226	28,898	127.9	880.7			233	3,206	27,212	30,418	927.0	257	3,530	29,731	33,261	1,013.7	289	3,948	33,259	37,208	1,133.9	

**MT SAN ANTONIO COLLEGE
2007 - 2020
WSCH Forecast - Learning Resources**

		Actual					Projected																
		Current Profile - Fall Semester 2007					2010					2015					2020						
Division	Discipline/Program	# of Sec	WSCH	Sec	FTEs	Lec Hrs	Lab Hrs	# of Sec	Lec WSCH	Lab WSCH	Total WSCH	FTEs	# of Sec	Lec WSCH	Lab WSCH	Total WSCH	FTEs	# of Sec	Lec WSCH	Lab WSCH	Total WSCH	FTEs	
	<i>Library & Instructional Media</i>	2	86.53	43.3	2.6	100.0%	0.0%	2	86.5	0	87	2.9	2	99.6	0	100	3.0	2	111.4	0	111	3.4	
	<i>Reading</i>	41	4334.12	105.7	132.1	82.6%	17.4%	41	3732.4	786.2	4,519	150.6	46	4120.3	868	4,988	152.0	49	4609.6	971	5,581	170.1	
	<i>Study Techniques</i>	14	1253.93	89.6	38.2	100.0%	0.0%	14	1307.3	0	1,307	43.6	16	1443.2	0	1,443	44.0	18	1614.6	0	1,615	49.2	
	<i>Learning Assistant Services</i>	78	9226.41	118.3	281.2	55.5%	44.5%	78	5338.5	4280.4	9,619	320.6	84	5893.7	4831.8	10,726	326.9	87	6593.3	5405.3	11,999	365.7	
	<i>Tutorial Training</i>	3	47.37	15.8	1.4	100.0%	0.0%	3	46.9	0	47	1.6	3	54.5	0	55	1.7	3	61	0	61	1.9	
		138	14,948	108.3	455.6			138	10,512	5,067	15,578	519.3	151	11,611	5,700	17,311	527.6	159	12,990	6,376	19,366	590.2	

**MT SAN ANTONIO COLLEGE
2007 - 2020
WSCH Forecast - Student Services**

		Actual					Projected															
		Current Profile - Fall Semester 2007					2010					2015					2020					
Division	Discipline/Program	# of Sec	WSCH	Sec	FTEs	Lec Hrs	Lab Hrs	# of Sec	Lec WSCH	Lab WSCH	Total WSCH	FTEs	# of Sec	Lec WSCH	Lab WSCH	Total WSCH	FTEs	# of Sec	Lec WSCH	Lab WSCH	Total WSCH	FTEs
	<i>Counseling 2200</i>	2	189.83	94.9	5.8	100.0%	0.0%	2	197.9	0	198	6.6	2	218.5	0	219	6.7	2	244.4	0	244	7.4
	<i>Counseling 4900</i>	36	2390.00	66.4	72.8	100.0%	0.0%	37	2475.7	0	2,476	82.5	40	2750.8	0	2,751	83.8	42	3077.3	0	3,077	93.8
	<i>DSPS 0800/4900</i>	9	401.07	44.6	12.2	39.0%	61.0%	9	163.1	255.1	418	13.9	9	180	281.6	462	14.1	10	201.4	315	516	15.7
	<i>Leadership</i>	2	198.80	99.4	6.1	100.0%	0.0%	2	207.3	0	207	6.9	2	228.8	0	229	7.0	2	255.9	0	256	7.8
		49	3179.70	64.9	96.9			50	3,044	255	3,299	110.0	53	3,378	282	3,660	111.5	56	3,779	315	4,094	124.8

Grand Totals	2,760	343,170	124.3	10,459			2,809	250,670	109,145	357,806	10,959	3,093	276,482	120,616	395,083	12,041	3,418	309,298	134,696	441,974	13,470
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ATTACHMENT B MT SAN ANTONIO COLLEGE - Future Program of Instruction: Projections for Space

Revised 6/27/10

Attachment I: ASF/Space Projections

Division	Current ASF 2007				Target Year 2010				Target Year 2015				Target Year 2020			
	Sec #	Lec ASF	Lab ASF	Total ASF	Sec #	Lec ASF	Lab ASF	Total ASF	Sec #	Lec ASF	Lab ASF	Total ASF	Sec #	Lec ASF	Lab ASF	Total ASF
Arts																
Art: Advert Design/Graph	9	0	1,004	1,004	9	224	2,437	2,661	10	247	2,690	2,937	11	277	3,009	3,286
Art: Animation	18	662	3,805	4,467	18	409	3,707	4,116	20	452	4,092	4,544	22	505	4,578	5,083
Art: Basic Studio Arts	5	0	1,138	1,138	5	113.6	1,236	1,350	6	125	1,365	1,490	6	140	1,527	1,667
Art: Gallery & Prof Prac	1	0	0	0	1	13.3	145	158	1	15	160	175	1	16	179	195
Art: Special Studio Arts	0	0	0	0	1	12	199	211	1	13	219	233	2	15	245	260
Art: 3-Dimen Studio Arts	13	0	6,937	6,937	13	359	3,909	4,268	15	397	4,315	4,711	16	444	4,827	5,270
Art 2-Dimen Studio Arts	27	0	9,133	9,133	28	726	7,896	8,621	30	801	8,716	9,517	33	896	9,751	10,647
Radio Television	17	582	0	582	17	396	1,262	1,658	18	438	1,393	1,830	19	490	1,558	2,048
Music	97	0	19,035	19,035	99	2,637	12,807	15,443	109	2,911	14,137	17,048	122	3,256	15,816	19,072
Art: Computer Graphics	9	0	1,061	1,061	9	190	1,436	1,626	9	210	1,585	1,795	10	235	1,773	2,008
Photographics	21	434	3,684	4,118	20	387	3,905	4,292	23	427	4,311	4,738	24	478	4,823	5,301
Theatre Arts	16	965	3,016	3,981	16	401	1,495	1,896	18	443	1,651	2,093	19	495	1,847	2,342
subtotal	233	2,643	48,813	51,456	236	5,868	40,431	46,299	260	6,478	44,633	51,111	285	7,247	49,931	57,178
BUSINESS																
Business: Accounting	33	2,108	678	2,786	34	2,151	885	3,036	38	2,295	945	3,240	42	2,568	1,057	3,625
Business: Management	23	0	0	0	24	1,260	0	1,260	26	1,345	0	1,345	30	1,505	0	1,505
Business: Economics	24	742	0	742	25	1,267	0	1,267	27	1,453	0	1,453	31	1,626	0	1,626
Business: Law	16	844	0	844	16	776	0	776	17	857	0	857	18	959	0	959
Business: Real Estate	17	0	0	0	18	719	448	1,167	19	794	494	1,288	21	888	553	1,441
Bus: Sales, Mer & Mkt	9	694	0	694	9	278	139	418	9	307	154	461	9	344	172	516
Business: Paralegal	13	1,011	0	1,011	13	586	207	793	14	647	228	875	15	724	255	979
Child Development	55	1,785	2,952	4,737	56	2,252	2,160	4,412	62	2,422	2,323	4,745	65	2,710	2,598	5,308
CIS: Beginning	26	812	886	1,698	27	1,185	3,102	4,287	29	1,335	3,495	4,829	32	1,493	3,909	5,402
CIS: Database	3	0	955	955	3	121	439	560	3	134	484	618	4	150	542	692
CIS Management	1	0	0	0	1	27	48	75	1	29	53	82	1	33	59	92

Division	Current ASF 2007				Target Year 2010				Target Year 2015				Target Year 2020			
	Lec ASF	Lab ASF	Total ASF	Sec #	Lec ASF	Lab ASF	Total ASF	Sec #	Lec ASF	Lab ASF	Total ASF	Sec #	Lec ASF	Lab ASF	Total ASF	
BUSINESS, Cont.																
CIS: Networking	7	0	2,450	2,450	7	264.7	957.1	1,222	8	292.2	1,056.5	1,349	9	326	1,182	1,508
CIS: Programming	9	0	1,737	1,737	9	410	1,482	1,891	10	391	1,414	1,805	11	438	1,582	2,020
CIS: Security	5	0	0	0	5	159	574	733	5	175	633	809	6	196	709	905
CIS Web Applications	3	0	0	0	3	84	304	388	3	93	335	428	3	104	375	479
CIS: Work Experience	0	0	0	0		2	6	8		2	7	8		2	7	9
Family & Cons Sciences	12	1,001	0	1,001	12	285	1,547	1,832	13	314	1,708	2,022	15	352	1,911	2,262
Fashion Merch & Design	17		2,345	2,345	17	475	1,824	2,299	23	525	2,014	2,538	26	587	2,253	2,839
Hospitality & Restaurant Man	6	833	0	833	6	0	2,074	2,074	7	0	2,289	2,289	8	0	2,561	2,561
Interior Design	9	0	1,918	1,918	9	345	729	1,074	10	381	805	1,186	10	426	900	1,327
Nutrition & Food	30	1,599	1,717	3,316	31	1,185	796	1,980	34	1,308	878	2,186	38	1,463	982	2,445
Bus: Office Technology	6	540	0	540	6	86	492	578	7	95	544	638	7	106	608	714
Computer Applications	23	0	3,719	3,719	24	761	2,010	2,771	26	841	2,218	3,059	27	940	2,482	3,422
subtotal	347	11,969	19,357	31,326	355	14,678	20,221	34,899	391	16,034	22,076	38,110	428	17,936	24,696	42,632
Humanities and Social Sciences																
American Lang (ESL)	33	0	0	0	33	1,656	0	1,656	37	1,828	0	1,828	38	2,045	0	2,045
Speech Communication	63	0	981	981	63	2,379	1,029	3,408	69	2,626	1,136	3,762	72	2,938	1,271	4,209
English	202	0	0	0	206	11,911	0	11,911	227	12,891	0	12,891	254	14,422	0	14,422
English (Basic Skills)	85	0	0	0	86	5,289	0	5,289	95	5,838	0	5,838	106	6,532	0	6,532
Journalism	12	0	569	569	12	167	1,285	1,452	13	184	1,419	1,603	15	206	1,587	1,793
Latin	1	0	0	0	1	82	0	82	1	91	0	91	1	101	0	101
Literature	12	0	0	0	12	512	0	512	13	565	0	565	14	632	0	632
For Lang: Chinese	18	0	0	0	18	890	212	1,102	19	982	235	1,217	20	1,099	262	1,361
For Lang: French	14	0	0	0	14	710	60	770	16	783	66	850	16	876	74	951
For Lang: German	3	0	0	0	3	162	27	189	3	177	30	206	4	198	33	231
For Lang: Italian	12	0	0	0	12	716	44	760	13	790	49	839	15	884	54	938
For Lang: Japanese	24	0	0	0	24	1,407	186	1,593	26	1,553	205	1,758	29	1,737	230	1,967
For Lang: Spanish	54	0	0	0	54	3,129	307	3,436	58	3,453	339	3,792	63	3,863	379	4,242
American History	16	0	0	0	16	853	0	853	18	941	0	941	19	1,053	0	1,053
Geography	10	0	0	0	10	380	134	514	10	419	148	567	11	469	165	635
History	66	0	0	0	70	4,452	0	4,452	77	4,915	0	4,915	86	5,498	0	5,498

Division	Current ASF 2007				Target Year 2010				Target Year 2015				Target Year 2020			
	Sec #	Lec ASF	Lab ASF	Total ASF	Sec #	Lec ASF	Lab ASF	Total ASF	Sec #	Lec ASF	Lab ASF	Total ASF	Sec #	Lec ASF	Lab ASF	Total ASF
Humanities and Social Sciences Cont.																
Humanities	1	0	0	0	1	150	0	150	1	165	0	165	1	185	0	185
Political Science	37	0	0	0	38	2,463	0	2,463	42	2,719	0	2,719	48	3,042	0	3,042
Education	3	0	0	0	3	124	0	124	2	154	0	154	4	172	0	172
Psychology	62	0	1,066	1,066	63	3,982	458	4,440	69	4,329	498	4,827	78	4,842	557	5,399
Philosophy	59	0	0	0	60	3,030	0	3,030	66	3,488	0	3,488	72	3,902	0	3,902
Sign Language	26	0	0	0	26	1,410	266	1,676	28	1,557	293	1,850	32	1,742	328	2,070
Sociology	69	0	1,223	1,223	74	4,657	0	4,657	81	5,168	0	5,168	91	5,782	0	5,782
Bldg 26A - General Use		22,042	0	22,042												
Bldg 26B - General Use		4,489	3,383	7,872												
Bldg 26D - General Use		19,211	3,411	22,622												
Bldg 66 - General Use		5,364	775	6,139												
subtotal	882	51,106	11,408	62,514	899	50,509	4,008	54,516	984	55,618	4,416	60,034	1,089	62,220	4,940	67,160
Natural Sciences																
Agric: Animal Health	10	1,316	2,132	3,448	10	278	3,879	4,157	11	307	4,282	4,589	12	343	4,790	5,133
Agric: Animal Science	9	0	2,074	2,074	9	469	1,697	2,166	10	518	1,873	2,391	12	579	2,095	2,674
Agric: General	2	0	0	0	2	15	1,105	1,119	2	16	1,220	1,236	2	18	1,364	1,382
Agric: Livestock	8	582	1,244	1,826	8	256	1,627	1,883	9	354	2,244	2,598	10	396	2,511	2,906
Agric: Ornamental Hort	17	2,029	3,681	5,710	18	373	7,870	8,243	19	411	8,688	9,100	22	460	9,719	10,179
Animal Sci: Pet	4	0	0	0	4	170	342	512	4	188	377	565	5	210	422	632
Anatomy & Physio	35	3,565	6,955	10,520	36	1,620	13,135	14,755	39	1,789	14,500	16,289	44	2,001	16,221	18,222
Anthropology	18	1,259	1,751	3,010	18	843	310	1,154	20	931	343	1,274	23	1,041	383	1,425
Biology	68	4,151	9,375	13,526	70	4,069	9,297	13,366	78	4,492	10,263	14,755	87	5,025	11,481	16,506
Histobiology	4	0	1,610	1,610	4	80	741	821	4	87	800	887	5	97	895	992
Microbiology	9	943	1,387	2,330	9	417	2,355	2,772	10	460	2,600	3,060	11	515	2,908	3,423
Chemistry	34	5,027	18,719	23,746	35	1,454	12,838	14,292	39	1,606	14,172	15,778	40	1,796	15,854	17,650
Astronomy	19	1,966	1,151	3,117	19	526	1,408	1,934	21	581	1,554	2,134	23	650	1,738	2,388
Geology	22	1,034	2,141	3,175	22	765	1,698	2,463	25	845	1,874	2,719	28	945	2,097	3,041
Meteorology	3	0	0	0	3	85	236	321	3	93	261	354	3	104	292	396
Oceanography	18	1,112	1,563	2,675	18	671	1,083	1,755	20	741	1,196	1,937	22	829	1,338	2,167
Computer Science	5	826	0	826	4	110	245	355	5	121	270	391	5	136	302	438

Division	Current ASF 2007				Target Year 2010				Target Year 2015				Target Year 2020			
	Sec #	Lec ASF	Lab ASF	Total ASF	Sec #	Lec ASF	Lab ASF	Total ASF	Sec #	Lec ASF	Lab ASF	Total ASF	Sec #	Lec ASF	Lab ASF	Total ASF
Natural Sciences; Cont.																
Mathematics	189	20,591	5,250	25,841	196	13,387	0	13,387	216	14,907	0	14,907	242	16,677	0	16,677
Math (Basic Skills)	42	0	0	0	43	2,407	0	2,407	48	2,657	0	2,657	53	2,972	0	2,972
Engineering	4	877	2,790	3,667	4	102	167	269	4	113	184	297	5	126	206	333
Physical Science	8	0	4,235	4,235	8	266	587	853	9	294	648	942	10	328	725	1,053
Physics	14	838	8,205	9,043	14	711	3,523	4,234	15	785	3,889	4,674	17	878	4,350	5,228
Surveying	1	0	0	0	1	20	203	223	1	22	224	246	1	25	251	276
subtotal	543	46,116	74,263	120,379	555	29,094	64,344	93,438	612	32,315	71,463	103,778	682	36,150	79,944	116,094
Technology and Health																
Air Cont & Refrig	14	600	9,320	9,920	14	438	4,833	5,271	17	484	5,335	5,819	19	541	5,968	6,510
Water Technology	4	0	846	846	4	214	0	214	4	237	0	237	5	265	0	265
Welding	15	600	5,100	5,700	15	167	5,567	5,734	15	184	6,146	6,330	18	206	6,876	7,081
Architectural Technology	22	0	6,763	6,763	21	532	6,021	6,553	23	588	6,647	7,234	24	657	7,436	8,093
Engineering Design Tech	4	0	1,637	1,637	4	104	959	1,063	5	115	1,058	1,173	5	129	1,184	1,313
Inspection & Estimating	3	0	0	0	3	135	0	135	4	149	0	149	4	166	0	166
Aircraft Maintenance Tech	6	1,730	18,479	20,209	6	183	10,277	10,460	6	202	11,324	11,526	7	226	12,668	12,894
Manufacturing Technology	6	353	6,596	6,949	6	77	1,570	1,648	10	85	1,733	1,819	11	95	1,939	2,035
Aeronautics	22	1,959	7,962	9,921	22	1,089	205	1,295	25	1,202	227	1,429	28	1,345	254	1,599
Air Traffic Control	8	1,429	1,341	2,770	8	217	421	638	9	240	465	704	10	268	520	788
Transportation	2	0	0	0	2	115	0	115	2	127	0	127	2	142	0	142
Computer & Network Tech	6	0	2,971	2,971	6	208	980	1,188	8	230	1,082	1,312	9	257	1,211	1,467
Electronics	19	878	6,971	7,849	19	258	4,089	4,347	24	285	4,514	4,799	27	319	5,050	5,369
Electronics Mathematics	3	0	0	0	3	63	0	63	3	70	0	70	3	78	0	78
Electronics Systems Tech	3	0	0	0	3	83	564	647	3	92	623	714	3	103	696	799
Fire Technology	30	1,450	0	1,450	31	2,318	790	3,108	35	2,465	840	3,305	39	2,758	939	3,697
Emergency Medical Serv	9	0	0	0	9	150	2,143	2,292	9	165	2,365	2,531	11	185	2,646	2,831
Emergency Medical Tech	3	995	0	995	3	369	787	1,156	4	407	866	1,272	4	455	968	1,423
Physicians Asst Prep	2	572	0	572	2	161	928	1,089	2	178	1,024	1,202	2	199	1,146	1,345
Physical Therapy	1	0	0	0	1	50	226	276	1	55	249	304	1	62	279	340
Service Learning	5	0	0	0	5	19	613	632	5	21	677	697	6	23	757	780

Division	Current ASF 2007				Target Year 2010				Target Year 2015				Target Year 2020			
	Sec #	Lec ASF	Lab ASF	Total ASF	Sec #	Lec ASF	Lab ASF	Total ASF	Sec #	Lec ASF	Lab ASF	Total ASF	Sec #	Lec ASF	Lab ASF	Total ASF
Technology and Health; Cont.																
Mental Health/Psych Tech	18	2,294	939	3,233	18	376	5,887	6,263	19	415	6,499	6,914	21	464	7,271	7,735
Nursing	74	6,300	805	7,105	76	873	13,220	14,092	81	1,050	15,902	16,952	94	1,175	17,791	18,966
Admin of Just: Law Enf	37	2,279	0	2,279	38	1,445	891	2,336	42	1,595	984	2,579	44	1,784	1,101	2,885
Correctional Science	4	914	0	914	4	170	0	170	4	187	0	187	5	209	0	209
Radiologic Tech	10	945	670	1,615	10	217	2,746	2,963	11	239	3,031	3,271	12	268	3,391	3,659
Medical Terminology	4	0	0	0	4	278	0	278	5	306	0	306	6	343	0	343
Respiratory Therapy	8	950	1,137	2,087	8	182	2,379	2,561	9	201	2,626	2,827	10	225	2,938	3,162
Bldg 28B		1,708	2,385	4,093												
Bldg 67A		0	1,317	1,317												
Bldg 67B		1,118	3,278	4,396												
Bldg 45 Health Occ (1201)		8,001	3,093	11,094												
subtotal	342	35,075	81,610	116,685	345	10,490	66,094	76,584	385	11,571	74,216	85,787	430	12,945	83,027	95,972
Library & Learning Resources																
Library and Instruct Media	2				2	41	0	41	2	47	0	47	2	53	0	53
Reading	41			0	41	1,765	2,021	3,786	46	1,949	2,231	4,180	49	2,180	2,496	4,676
Study Techniques	14			0	14	618	0	618	16	683	0	683	18	764	0	764
Learning Assistant Services	78			0	78	3,180	7,441	10,621	84	3,511	8,215	11,726	87	3,928	9,190	13,118
Tutorial Training	3			0	3	0	121	121	3	0	140	140	3	0	157	157
General Purpose Lec/Labs		3,091	11,449	14,540												
subtotal	138	3,091	11,449	14,540	138	5,605	9,583	15,187	151	6,190	10,586	16,776	159	6,924	11,843	18,767
Physical Education																
Dance: Activity	40			0	41	0	7,168	7,168	45	0	7,914	7,914	51	0	8,853	8,853
Dance: Theory	2			0	2	111	0	111	2	123	0	123	2	138	0	138
PE: Athletics	24			0	25	0	0	0	28	0	0	0	31	0	0	0
PE: Adaptive	2			0	2	0	0	0	2	0	0	0	3	0	0	0
PE: Aquatics	5			0	5	0	0	0	6	0	0	0	6	0	0	0
PE: Fitness	68			0	71	144	0	144	78	154	0	154	88	173	0	173
PE: Individual	38			0	38	0	0	0	42	0	0	0	47	0	0	0
PE: Team Sports	17			0	18	0	0	0	19	0	0	0	22	0	0	0
PE: Theory	30			0	31	1,261	0	1,261	35	1,392	0	1,392	39	1,557	0	1,557
sub total	226	0	0	0	233	1,516	7,168	8,685	257	1,669	7,914	9,583	289	1,867	8,853	10,720

Division	Current ASF 2007				Target Year 2010				Target Year 2015				Target Year 2020			
	Sec #	Lec ASF	Lab ASF	Total ASF	Sec #	Lec ASF	Lab ASF	Total ASF	Sec #	Lec ASF	Lab ASF	Total ASF	Sec #	Lec ASF	Lab ASF	Total ASF
Student Services																
Counseling 2200	2		400	400	2	94	0	94	2	103	0	103	2	116	0	116
Counseling 4900	36	1,004		1,004	37	1,171	0	1,171	40	1,301	0	1,301	42	1,456	0	1,456
DSPS	9	821		821	9	77	819	896	9	85	904	989	10	95	1,011	1,107
Leadership	2			0	2	98	0	98	2	108	0	108	2	121	0	121
subtotal	49	1,825	400	2,225	50	1,440	819	2,259	53	1,598	904	2,502	56	1,788	1,011	2,799
Other Buildings																
Bungalow 29A		1,418	0	1,418												
Bungalow 29D		1,360	0	1,360												
subtotal		2,778	0	2,778												
Total Credit																
Total Credit	2,760	151,960	247,300	401,903	2,811	119,200	212,667	331,867	3,093	131,473	236,208	367,681	3,418	147,076	264,245	411,321
Non Credit																
Basic Skills Tutorial				0				0				0				0
Basic Skills Learning				0				0				0				0
Older Adults Programs				0				0				0				0
Job Train & Voc Programs				0				0				0				0
DSPS				0				0				0				0
Bldg 66 - ESL		14,795	1,625	16,420				0				0				0
Other General		18,220	1,541	19,761				0				0				0
sub total	0	33,015	3,166	36,181	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total																
Grand Total	184,975	250,466	438,084	2,811	119,200	212,667	331,867	3,093	131,473	236,208	367,681	3,418	147,076	264,245	411,321	
Space Inventory		188,911	250,466													
Diff		3,936	0													

ATTACHMENT C

MT SAN ANTONIO COLLEGE
2007 - 2020

WSCH Forecast - Continuing Education/Non-Credit

Dated: 6/25/2010

		Actual					Projected														
		Current Profile - Fall Semester 2007					2010					2015					2020				
Area	Program	# of Sec	WSCH	FTES	Lec Hrs	Lab Hrs	# of Sec	Lec WSCH	Lab WSCH	Total WSCH	FTES	# of Sec	Lec WSCH	Lab WSCH	Total WSCH	FTES	# of Sec	Lec WSCH	Lab WSCH	Total WSCH	FTES
Older Adult Program																					
	Agriculture: Ornamental Hort	7	331	10.1	100%	0.0%	7	345	0	345	10.5	8	380	0	380	11.6	9	426	0	426	13.0
	Computer Applications	5	345	10.5	100%	0.0%	5	360	0	360	11.0	6	397	0	397	12.1	7	444	0	444	13.5
	Basic Computing	18	448	13.7	100%	0.0%	18	467	0	467	14.2	18	515	0	515	15.7	18	576	0	576	17.6
	Creative Computing	2	40	1.2	100%	0.0%	2	42	0	42	1.3	2	47	0	47	1.4	1	26	0	26	0.8
	Computer Laboratory	1	1,549	47.2	0%	100%	1	0	1,615	1,615	49.2	1	0	1,783	1,783	54.3	1	0	1,995	1,995	60.8
	Internet Research	6	145	4.4	100%	0.0%	6	151	0	151	4.6	6	167	0	167	5.1	6	187	0	187	5.7
	Special Needs Population	1	1,291	39.3	100%	0.0%	1	1,346	0	1,346	41.0	1	1,486	0	1,486	45.3	1	1,662	0	1,662	50.7
	Basic Computing	2	89	2.7	100%	0.0%	2	93	0	93	2.8	2	103	0	103	3.1	2	115	0	115	3.5
	Digital Photography	6	150	4.6	100%	0.0%	6	156	0	156	4.8	6	173	0	173	5.3	6	193	0	193	5.9
	Fine Arts	13	630	19.2	100%	0.0%	13	656	0	656	20.0	13	725	0	725	22.1	14	811	0	811	24.7
	Decorative Arts	18	981	29.9	100%	0.0%	19	1,023	0	1,023	31.2	20	1,129	0	1,129	34.4	23	1,263	0	1,263	38.5
	Lifelong Learning	63	2,986	91.0	100%	0.0%	63	3,113	0	3,113	94.9	68	3,436	0	3,436	104.7	74	3,844	0	3,844	117.2
	Manufacturing Technology	2	1,611	49.1	100%	0.0%	2	1,680	0	1,680	51.2	2	1,854	0	1,854	56.5	2	2,075	0	2,075	63.2
	Mobility Through Exercise	42	2,001	61.0	99%	1.0%	44	2,065	21	2,086	63.6	48	2,280	23	2,303	70.2	51	2,550	26	2,576	78.5
	Music	13	379	11.6	100%	0.0%	14	396	0	396	12.1	15	437	0	437	13.3	16	488	0	488	14.9
	Folk Art	3	319	9.7	100%	0.0%	4	333	0	333	10.1	5	367	0	367	11.2	6	411	0	411	12.5
	Music (Cross Listed)		222	6.8	28%	72.0%		65	166	231	7.0		71	184	255	7.8		80	205	285	8.7
	Art (Cross Listed)		17	0.5	34%	66.0%		6	11	17	0.5		7	13	19	0.6		7	14	21	0.7
	subtotal	202	13,534	412.5			207	12,295	1,814	14,109	430.0	221	13,573	2,002	15,575	474.7	237	15,159	2,240	17,398	530
DSPS																					
	High Tech Center		874	26.6	20%	80%		182	729	911	27.8		201	805	1,006	30.6		225	900	1,125	34.3
	Special Needs		126	3.8	100%	0%		131	0	131	4.0		145	0	145	4.4		162	0	162	4.9
	subtotal		1,000	30.5				314	729	1,042	31.8		346	805	1,151	35.1		387	900	1,287	39.2

WSCH Forecast - Continuing Education/Non-Credit

		Actual					Projected														
		Current Profile - Fall Semester 2007					2010					2015					2020				
Area	Program	# of Sec	WSCH	FTES	Lec Hrs	Lab Hrs	# of Sec	Lec WSCH	Lab WSCH	Total WSCH	FTES	# of Sec	Lec WSCH	Lab WSCH	Total WSCH	FTES	# of Sec	Lec WSCH	Lab WSCH	Total WSCH	FTES
English as a Second Language																					
	Levels 1-6	45	15,436	470.4	100%	0.0%	47	16,215	0	16,215	494.2	52	17,766	0	17,766	541.4	58	19,875	0	19,875	605.7
	Prelevel	6	1,793	54.6	100%	0.0%	7	1,876	0	1,876	57.2	8	2,064	0	2,064	62.9	10	2,309	0	2,309	70.4
	Language	2	37	1.1	0%	100%	2	0	39	39	1.2	2	0	44	44	1.4	2	0	57	57	1.7
	Speaking	35	1,348	41.1	100%	0.0%	37	1,409	0	1,409	43.0	40	1,551	0	1,551	541.4	44	1,735	0	1,735	605.7
	ESL-TOEFL	2	73	2.2	100%	0.0%	2	68	0	68	2.1	2	78	0	78	2.4	2	100	0	100	3.1
	Writing	31	875	26.7	100%	0.0%	33	914	0	914	27.9	34	1,006	0	1,006	30.7	36	1,126	0	1,126	34.3
	subtotal	121	19,562	596.2			128	20,482	39	20,521	625.4	138	22,466	44	22,510	638.8	152	25,146	57	25,203	715
Fitness																					
	Physical Fitness & Cond		1,260	38.4	100%	0.0%		1,313	0	1,313	40.0		1,450	0	1,450	44.2		1,622	0	1,622	49.4
	Water Exercise		440	13.4	100%	0.0%		458	0	458	14.0		506	0	506	15.4		566	0	566	17.2
	subtotal		1,700	51.8				1,771	0	1,771	54.0		1,956	0	1,956	59.6		2,188	0	2,188	66.7
Health Careers																					
	Certified Nursing Asst	17	794	24.2	0%	100%	18	0	828	828	25.2	18	0	914	914	27.9	20	0	1,023	1,023	31.2
	subtotal	17	794	24.2			18	0	828	828	25.2	18	0	914	914	27.9	20	0	1,023	1,023	31.2

MT SAN ANTONIO COLLEGE
2007 - 2020

		Actual					Projected														
		Current Profile - Fall Semester 2007					2010					2015					2020				
Area	Program	# of Sec	WSCH	FTEs	Lec Hrs	Lab Hrs	# of Sec	Lec WSCH	Lab WSCH	Total WSCH	FTEs	# of Sec	Lec WSCH	Lab WSCH	Total WSCH	FTEs	# of Sec	Lec WSCH	Lab WSCH	Total WSCH	FTEs
Job Training & Vocational Programs																					
	Stained Glass	1	39	1.2	100%	0.0%	1	41	0	41	1.3	1	45	0	45	1.4	1	50.7	0	51	1.5
	Woodworking	5	225	6.9	100%	0.0%	5	234	0	234	7.1	5	259	0	259	7.9	5	289.2	0	289	8.8
	Administration of Justice		3	0.1	100%	0.0%		3	0	3	0.1		4	0	4	0.1		4.1	0	4	0.1
	Agriculture: Animal Science		3	0.1	100%	0.0%		3	0	3	0.1		4	0	4	0.1		4.1	0	4	0.1
	Agriculture: Pet Science		11	0.3	100%	0.0%		11	0	11	0.3		12	0	12	0.4		13.8	0	14	0.4
	Agriculture: Ornamental Hort		135	4.1	55%	45%		78	63.4	141	4.3		86	70	156	4.7		95.7	78.3	174	5.3
	Architectural Technology		20	0.6	38%	62%		8	12.9	21	0.6		9	14	23	0.7		9.7	15.9	26	0.8
	Business: Accounting		90	2.7	100%	0.0%		93	0	93	2.8		103	0	103	3.1		115.4	0	115	3.5
	Business Management		64	2.0	100%	0.0%		67	0	67	2.0		74	0	74	2.3		82.8	0	83	2.5
	Computer Applications		144	4.4	50%	500%		75	75.1	150	4.6		83	83	166	5.1		92.8	92.8	186	5.7
	Computer & Network Technology		63	1.9	60%	40%		39	26.3	66	2.0		44	29	73	2.2		48.7	32.5	81	2.5
	Computer Graphics		93	2.8	43%	57%		42	55	97	2.9		46	61	107	3.2		51.2	67.9	119	3.6
	Correctional Science		3	0.1	100%	0.0%		3	0	3	0.1		4	0	4	0.1		4.3	0	4	0.1
	Electronics		33	1.0	46%	54%		16	18.4	34	1.0		17	20	38	1.1		19.3	22.7	42	1.3
	Electronic Systems Technology		35	1.1	50%	50%		18	18.1	36	1.1		20	20	40	1.2		22.4	22.4	45	1.4
	Engineering Design Technology		37	1.1	38%	62%		15	24.2	39	1.2		16	27	43	1.3		18.3	29.9	48	1.5
	Fashion Merch & Design		55	1.7	59%	41%		34	23.3	57	1.7		37	26	63	1.9		41.4	28.8	70	2.1
	Manufacturing		54	1.6	29%	71%		16	40.3	57	1.7		18	45	63	1.9		20.3	49.7	70	2.1
	Photography		111	3.4	53%	47%		61	54.5	116	3.5		68	60	128	3.9		75.9	67.3	143	4.4
	Theatre Arts		7	0.2	0%	100%		0	6.9	7	0.2		0	8	8	0.2		0	8.5	9	0.3
	Welding		245	7.5	21%	79%		54	201.5	255	7.8		59	223	282	8.6		66.2	249	315	9.6
	subtotal	6	1,470	44.8			6	912	620	1,532	46.7	6	1,007	684	1,691	51.5	6	1,126	766	1,892	57.7

		Actual					Projected														
		Current Profile - Fall Semester 2007					2010					2015					2020				
Area	Program	# of Sec	WSCH	FTEs	Lec Hrs	Lab Hrs	# of Sec	Lec WSCH	Lab WSCH	Total WSCH	FTEs	# of Sec	Lec WSCH	Lab WSCH	Total WSCH	FTEs	# of Sec	Lec WSCH	Lab WSCH	Total WSCH	FTEs
Parent Education																					
	Parent Education	4	612	18.7	100%	0.0%	5	638	0	638	19.4	5	705	0	705	21.5	5	788	0	788	24.0
	subtotal	4	612	18.7			5	638	0	638	19.4	5	705	0	705	21.5	5	788	0	788	24.0

WSCH Forecast - Continuing Education/Non-Credit

		Actual					Projected														
		Current Profile - Fall Semester 2007					2010					2015					2020				
Area	Program	# of Sec	WSCH	FTEs	Lec Hrs	Lab Hrs	# of Sec	Lec WSCH	Lab WSCH	Total WSCH	FTEs	# of Sec	Lec WSCH	Lab WSCH	Total WSCH	FTEs	# of Sec	Lec WSCH	Lab WSCH	Total WSCH	FTEs
Basic Skills																					
	Adult Basic Education		2521	76.8	0.0%	100%		0	2628	2,628	87.6		0	2901.1	2,901	88.4		0	3245.5	3,246	98.9
	Language Lab		1396	42.5	0.0%	100%		0	1455.9	1,456	48.5		0	1607.2	1,607	49.0		0	1798	1,798	54.8
	Learning		2629	80.1	100%	0.0%		2741.3	0	2,741	91.4		3026.3	0	3,026	92.2		3385.4	0	3,385	103.2
	Mathematics Lab		1516	46.2	0.0%	100%		0	1580.7	1,581	52.7		0	1745	1,745	53.2		0	1952.1	1,952	59.5
	Study Techniques		0.4	0.0	0.0%	100%		0	0.4	0	0.0		0	0.5	1	0.0		0	0.5	1	0.0
	Tutoring		1359	41.4	0.0%	100%		0	1416.5	1,417	47.2		0	1563.7	1,564	47.7		0	1749.3	1,749	53.3
	Tutor Training		14	0.4	100%	0.0%		14.1	0	14	0.5		15.5	0	16	0.5		17.4	0	17	0.5
	Writing		335	10.2	100%	0.0%		349.5	0	350	11.7		385.8	0	386	11.8		431.6	0	432	13.2
	subtotal		9,770	297.8				3,105	7,082	10,186	339.5		3,428	7,818	11,245	342.7		3,834	8,745	12,580	383.4
Division	Discipline/Program	# of Sec	WSCH	FTEs	Lec Hrs	Lab Hrs	# of Sec	Lec WSCH	Lab WSCH	Total WSCH	FTEs	# of Sec	Lec WSCH	Lab WSCH	Total WSCH	FTEs	# of Sec	Lec WSCH	Lab WSCH	Total WSCH	FTEs
High School																					
	Referrals																				
	Art	1	140	4.3	8%	92%	1	11.7	134.2	146	4.9	1	12.9	148.1	161	4.9	1	14.4	165.5	180	5.5
	Biology	1	74	2.3	8%	92%	1	6.2	71	77	2.6	1	6.8	78.4	85	2.6	1	7.6	87.5	95	2.9
	Chinese	3	477	14.5	100%	0.0%	3	497.4	0	497	16.6	4	549.1	0	549	16.7	4	613.4	0	613	18.7
	Civics	1	156	4.8	12%	88%	1	19.6	143.5	163	5.4	2	21.6	158.4	180	5.5	2	24.1	177	201	6.1
	Computer Technology	1	110	3.4	36%	64%	1	41.4	73.6	115	3.8	1	45.7	81.2	127	3.9	1	51.1	90.8	142	4.3
	Earth Science	3	304	9.3	100%	0.0%	3	316.4	0	316	10.5	3	349.3	0	349	10.6	3	390.2	0	390	11.9
	English	2	250	7.6	4%	96%	2	10.4	249.7	260	8.7	3	11.5	275.7	287	8.8	3	12.8	308	321	9.8
	Graphics	1	55	1.7	100%	0.0%	1	57.8	0	58	1.9	1	63.8	0	64	1.9	1	71.2	0	71	2.2
	World History	1	157	4.8	12%	88%	1	19.6	144	164	5.5	1	21.7	158.9	181	5.5	1	24.2	177.5	202	6.1
	Algebra	5	572	17.4	16%	84%	5	95.3	500.5	596	19.9	6	105.2	552.5	658	20.0	6	117.6	617.2	735	22.4
	Geometry	3	387	11.8	39%	82%	3	72.7	331.1	404	13.5	4	80.2	365.5	446	13.6	4	89.6	408.3	498	15.2
	Spanish	3	408	12.4	100%	0.0%	3	425.4	0	425	14.2	4	469.6	0	470	14.3	4	524.6	0	525	16.0
	subtotal	25	3090	94.2			25	1,574	1,648	3,222	107.4	31	1,737	1,819	3,556	108.4	31	1,941	2,032	3,973	121.1

**MT SAN ANTONIO COLLEGE
2007 - 2020
WSCH Forecast - Continuing Education/Non-Credit**

		Actual				Projected																
		Current Profile - Fall Semester 2007				2010					2015					2020						
Division	Discipline/Program	# of Sec	WSCH	FTES	Lec Hrs	Lab Hrs	# of Sec	Lec WSCH	Lab WSCH	Total WSCH	FTES	# of Sec	Lec WSCH	Lab WSCH	Total WSCH	FTES	# of Sec	Lec WSCH	Lab WSCH	Total WSCH	FTES	
High School	Adult Diploma																					
	Art	68		2.1	8%	92%	5.7	65.3	71	2.4		6.3	72.1	78	2.4		7	80.6	88	2.7		
	Biology	158		4.8	8%	92%	13.2	151.3	165	5.5		14.5	167	182	5.5		16.2	186.5	203	6.2		
	Chemistry	95		2.9	0%	100%	0	98.9	99	3.3		0	109.2	109	3.3		0	122	122	3.7		
	Civics	72		2.2	12%	88%	9	65.9	75	2.5		9.9	72.7	83	2.5		11.1	81.2	92	2.8		
	Computer Technology	19		0.6	36%	64%	7.1	12.6	20	0.7		7.8	13.9	22	0.7		8.7	15.6	24	0.7		
	Dip & Ref Pr	40		1.2	0%	100%	0	41.9	42	1.4		0	46.2	46	1.4		0	51.6	52	1.6		
	Economics	127		3.9	0%	100%	0	131.9	132	4.4		0	145.6	146	4.4		0	162.7	163	5.0		
	English	795		24.2	4%	96%	33.1	795.3	828	27.6		36.6	878	915	27.9		40.9	980.8	1,022	31.1		
	Health	158		4.8	0%	100%	0	164.5	165	5.5		0	181.6	182	5.5		0	202.9	203	6.2		
	US History	193		5.9	0%	100%	0	200.9	201	6.7		0	221.8	222	6.8		0	247.8	248	7.6		
	World History	246		7.5	12%	88%	30.7	225.3	256	8.5		33.9	248.8	283	8.6		37.9	277.9	316	9.6		
	Algebra	366		11.2	16%	84%	61	320.3	381	12.7		67.3	353.6	421	12.8		75.2	395	470	14.3		
	Geometry	154		4.7	18%	82%	28.8	131.2	160	5.3		31.8	144.9	177	5.4		35.5	161.8	197	6.0		
	Math	17		0.5	0%	100%	0	17.4	17	0.6		0	19.2	19	0.6		0	21.5	22	0.7		
	Prealgebra	35		1.1	0%	100%	0	36.8	37	1.2		0	40.6	41	1.2		0	45.4	45	1.4		
	Physical Science	44		1.3	0%	100%	0	46.2	46	1.5		0	51	51	1.6		0	57	57	1.7		
	Psychology	10		0.3	0%	100%	0	10.4	10	0.3		0	11.5	12	0.4		0	12.9	13	0.4		
	Sociology	21		0.6	30%	70%	6.5	15.2	22	0.7		7.2	16.8	24	0.7		8	18.7	27	0.8		
	subtotal	2618		79.8			195	2,531	2,726	90.9		215	2,795	3,010	91.7		241	3,122	3,362	102.5		
Area	Program	# of Sec	WSCH	FTES	Lec Hrs	Lab Hrs	# of Sec	Lec WSCH	Lab WSCH	Total WSCH	FTES	# of Sec	Lec WSCH	Lab WSCH	Total WSCH	FTES	# of Sec	Lec WSCH	Lab WSCH	Total WSCH	FTES	
Citizenship	Citizenship	35		1.1	100%	0.0%	37	0	37	1.1		40	0	40	1.2		40	0	40	1.2		
	subtotal	35		1.1			37	0	37	1.1		40	0	40	1.2		40	0	40	1.2		
GRAND TOTAL		375	54185	1,651			389	41,322	15,290	56,612	1,771	419	45,473	16,881	62,353	1,853	451	50,850	18,885	69,734	2,072	

ATTACHMENT D CONTINUING EDUCATION/NONCREDIT ON CAMPUS SPACE NEEDS

Revised 6/26/10

Attachment I: ASF/Space Projections

	Qualifying ASF 2007			Target Year 2010			Target Year 2015			Target Year 2020					
	Total ASF	Sec #	Lec ASF	Lab ASF	Total ASF	Sec #	Lec ASF	Lab ASF	Total ASF	Sec #	Lec ASF	Lab ASF	Total ASF		
Older Adult Program															
Computer Laboratory	0	2,649	2,649	1	0	2,762	2,762	1	0	3,049	3,049	1	0	3,411	3,411
subtotal	0	2,649	2,649	1	0	2,762	2,762	1	0	3,049	3,049	1	0	3,411	3,411
DSPS															
High Tech Center*	75	1,797	1,872		86	1,873	1,959		95	2,068	2,163		106	2,313	2,420
Special Needs*	54	0	54		62	0	62		69	0	69		77	0	77
subtotal	129	1,797	1,926		148	1,873	2,021		164	2,068	2,232		183	2,313	2,496
ESL															
Level 1-6	6622	0	6,622	47	7,670	0	7,670	52	8,404	0	8,404	58	9,401	0	9,401
Prelevel	769	0	769	7	887	0	887	8	976	0	976	10	1,092	0	1,092
Language	0	95	95	2	0	99	99	2	0	114	114	2	0	147	147
Speaking	578	0	578	37	667	0	667	40	734	0	734	44	821	0	821
ESL-TOEFL	31	0	31	2	32	0	32	2	37	0	37	2	48	0	48
Writing	375	0	375	33	433	0	433	34	476	0	476	36	533	0	533
subtotal	8376	95	8,471	128	9,688	99	9,787	138	10,626	114	10,741	152	11,894	147	12,041
Health Careers															
Certified Nursing Asst*	0	1700	1,700		0	1,772	1,772		0	1,957	1,957		0	2,189	2,189
subtotal	0	1700	1,700		0	1,772	1,772		0	1,957	1,957		0	2,189	2,189
Basic Skills															
Adult Basic Education	0	6478	6,478		0	6,754	6,754		0	7,456	7,456		0	8,341	8,341
Language Lab	0	3589	3,589		0	3,742	3,742		0	4,131	4,131		0	4,621	4,621
Learning Assistant Services**	1128	0	1,128		1,297	0	1,297		1,431	0	1,431		1,601	0	1,601
Mathematics**	0	3896	3,896		0	4,062	4,062		0	4,485	4,485		0	5,017	5,017
Study*	0	1	1		0	1	1		0	1	1		0	1	1
Tutoring*	0	3492	3,492		0	3,640	3,640		0	4,019	4,019		0	4,496	4,496
Tutor Training*	6	0	6		7	0	7		7	0	7		8	0	8
Writing**	144	0	144		165	0	165		183	0	183		204	0	204
sub total	1278	17456	18,733		1469	18,199	19,668		1,621	20,091	21,712		1,814	22,475	24,289
High School Referrals															
Art	5	331	336	1	6	345	350	1	6	381	387	1	7	425	432
Biology	3	175	178	1	3	182	185	1	3	201	205	1	4	225	229
Chinese	205	0	205	3	235	0	235	4	260	0	260	4	290	0	290
Civics	8	354	362	1	9	369	378	2	10	407	417	2	11	455	466
Computer Technology	17	181	198	1	20	189	209	1	22	209	230	1	24	233	257
Earth Science	130	0	130	3	150	0	150	3	165	0	165	3	185	0	185
English	4	616	620	2	5	642	647	3	5	709	714	3	6	792	798
Graphics	24	0	24	1	27	0	27	1	30	0	30	1	34	0	34
World History	8	355	363	1	9	370	379	1	10	408	419	1	12	456	468
Algebra	39	1234	1,273	5	45	1,286	1,331	6	50	1,420	1,470	6	56	1,586	1,642
Geometry	30	816	846	3	34	851	885	4	38	939	977	4	42	1,049	1,092
Spanish	175	0	175	3	201	0	201	4	222	0	222	4	248	0	248
sub total	648	4061.3	4,709	25	745	4,234	4,979	31	822	4,674	5,496	31	918	5,222	6,140

	Target Year 2010				Target Year 2015				Target Year 2020						
	Total ASF	Sec #	Lec ASF	Lab ASF	Total ASF	Sec #	Lec ASF	Lab ASF	Total ASF	Sec #	Lec ASF	Lab ASF	Total ASF		
High School Adult Diploma															
Art	2	161	163		3	168	171		3	185	188		3	207	210
Biology	6	373	378		6	389	395		7	429	436		8	479	487
Chemistry	0	244	244		0	254	254		0	281	281		0	314	314
Civics	4	162	166		4	169	174		5	187	192		5	209	214
Computer Technology	3	31	34		3	32	36		4	36	40		4	40	44
Dip & Ref Pr	0	103	103		0	108	108		0	119	119		0	133	133
Economics	0	325	325		0	339	339		0	374	374		0	418	418
English	14	1960	1,974		16	2,044	2,060		17	2,256	2,274		19	2,521	2,540
Health	0	406	406		0	423	423		0	467	467		0	521	521
US History	0	495	495		0	516	516		0	570	570		0	637	637
World History	13	555	568		15	579	594		16	639	655		18	714	732
Algebra	25	790	815		29	823	852		32	909	941		36	1,015	1,051
Geometry	12	324	335		14	337	351		15	372	387		17	416	433
Math	0	43	43		0	45	45		0	49	49		0	55	55
Prealgebra	0	91	91		0	95	95		0	104	104		0	117	117
Physical Science	0	114	114		0	119	119		0	131	131		0	146	146
Psychology	0	26	26		0	27	27		0	30	30		0	33	33
Sociology	3	37	40		3	39	42		3	43	47		4	48	52
sub total	80	6240	6,320		92	6,506	6,598		102	7,182	7,284		114	8,023	8,136

Total Non Credit	10,511	33,997	44,508	154	12,142	35,446	47,588	170	13,335	39,134	52,469	184	14,922	43,780	58,702
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* Programs using shared facilities

** Credit student support facilities