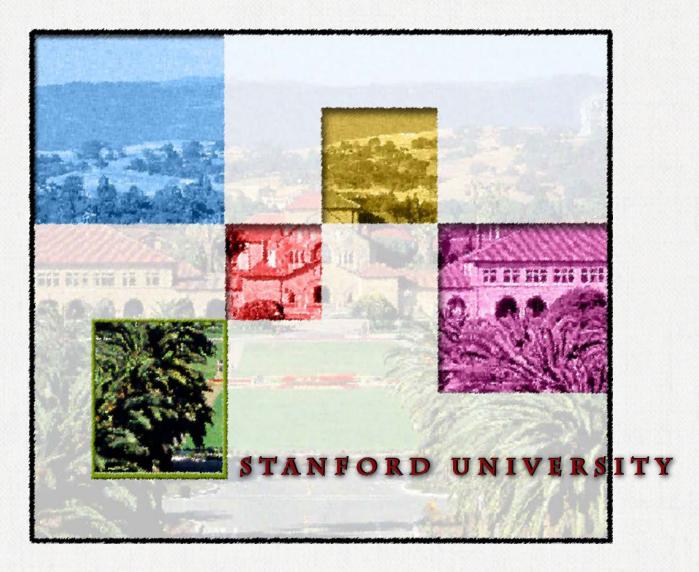
GENERAL USE PERMIT 2000

ANNUAL REPORT No. 16





county of Santa Clara planning office

June 2017



Prologue		P-1
Section I:	Introduction	1
	Glossary of Terms	4
Section II:	Development Overview	5
	GUP Building Area Cap	5
	Other Space Caps	
	Housing	
	Parking	12
Section III:	Overview of monitoring During Sixteenth Year	15
	GUP Condition A: Building Area	15
	GUP Condition B: Framework	15
	GUP Condition C: Monitoring, Reporting, and Implementation	15
	GUP Condition D: Permitting and Environmental Review	16
	GUP Condition E: Academic Building Area Review	16
	GUP Condition F: Housing	
	GUP Condition G: Transportation	17
	GUP Condition H: Parking	18
	GUP Condition I: Parks and Recreation Facilities	18
	GUP Condition J: California Tiger Salamander	
	GUP Condition K: Biological Resources	19
	GUP Condition L: Visual Resources	19
	GUP Condition M: Hazardous Materials	
	GUP Condition N: Geology and Hydrology	19
	GUP Condition O: Cultural Resources	19
	GUP Condition P: Utilities and Public Services	20
	GUP Condition Q: Air Quality	20
	GUP Condition R: Noise	20
	GUP Condition S: Additional GUP Conditions	20
Section IV:	Project Summaries	21
	File No. 10829: Bass Biology	
	File No. 10784: CheM H & SNI	23
Section V:	Anticipated Future Development	27
Section VI:	Other Information_	29
	References	29
	County of Santa Clara Report Project Manager	29
	Stanford University Data Providers	29

Tables		
	nual Report 16 Distribution of GUP-Allowed Academic and Academic Suppevelopment	-
TABLE 2 An	nual Report 16 Other Space Caps - Project Summary	9
TABLE 3 An	nual Report 16 Distribution of Residential Development	11
TABLE 4 An	nual Report 16 Distribution of Parking	13
TABLE 5 An	nual Report 16 Development Projects Receiving ASA or Other Approval	24
TABLE 6 An	ticipated Projects for Annual Report 17	28
Figures		
Figure 1 Regi	ional Location	1
Figure 2 Cum	nulative Development Activity 12/12/00 - 8/31/16	7
Figure 3 Dist	ribution of Academic Development	8
Figure 4 Dist	ribution of Residential Development	10
Figure 5 Dist	ribution of Parking Spaces	12
Figure 6 Loca	ation of Major Annual Report 16 Projects	21
Figure 7 Loca	ation of Anticipated Projects	27
Appendices		
Appendix A	General Orientation Maps of Stanford Lands and Campus	
Appendix B	GUP Conditions and Compliance Activities	
Appendix C	Cumulative Projects	
Appendix D	Summary Report of Traffic Monitoring	
Appendix E	Sustainability at Stanford Executive Summary	
Appendix F	Stanford Alternate Means Programs	

The Stanford University, General Use Permit (GUP) 2000 Sixteenth Annual Report (AR 16) provides public documentation that summarizes development at Stanford University and required environmental mitigation activity within the unincorporated Santa Clara County, for the monitoring period from September 1, 2015, through August 31, 2016. This report documents both new projects approved during the reporting period and the status of ongoing projects. Section I provides an introduction and context to the AR 16. Information on project status and a summary of development through the AR 16 reporting period is provided in Section II. Section III provides a summary of GUP compliance. Details and illustrations of projects that received Architecture and Site Approval (ASA) during this reporting period are provided in Section IV. Section V describes anticipated development, Section VI provides information on other significant information in the reporting period, and Section VII provides information on references and the project team.

Appendices A, B, C, D, E, and F contain information on campus maps, GUP conditions and additional compliance details, summaries of cumulative development on campus, traffic monitoring results, sustainable activities initiated and ongoing by Stanford University and a summary of Stanford's approved Alternate Means Programs, respectively.

The production team for this annual report endeavored to make this report user friendly. If you have comments or questions about the format, you may forward your comments to the Santa Clara County Planning Office. For the 16th annual reporting period, Kavitha Kumar, was the project manager for the Santa Clara County Planning Office for the Stanford University environmental mitigation monitoring and reporting program.

Specific questions regarding this report or the Stanford Community Plan, General Use Permit or the Environmental Impact Report may be directed to:

Kavitha Kumar, Senior Stanford Planner, kavitha.kumar@pln.sccgov.org.

Stanford University owns 8,180 acres of land, including 4,017 acres within unincorporated Santa Clara County that are subject to the land use jurisdiction and regulatory authority of the County. Please see Map 1 in Appendix A, which shows governmental jurisdiction on Stanford lands. Stanford University is a private institution and is subject to local zoning controls and project approval procedures. Stanford University land in Santa Clara County includes the academic campus, residential areas, and most of the foothills east of Alpine Road.

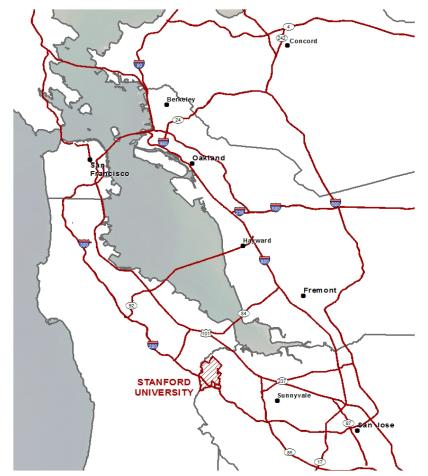


FIGURE 1: REGIONAL LOCATION

Santa Clara County guides future use of these lands through (1) the General Plan, (2) the Stanford Community Plan (CP), (3) County Zoning Ordinance, (4) other County ordinances and policies, and (5) the 2000 General Use Permit (GUP).

In November 1999, Stanford University submitted a Draft CP/GUP Application to Santa Clara County. As a result of an extensive public review process, significant changes were made in the proposed CP/GUP. Santa Clara County, the lead agency under the California Environmental Quality Act (CEQA), prepared a Program

Environmental Impact Report (EIR) to disclose the significant environmental effects of development pursuant to the CP/GUP. In December 2000, the County Board of Supervisors certified the EIR and approved the Final CP/GUP (2000 GUP).

The 2000 GUP replaced the 1989 GUP. It is the permit under which Stanford continues its academic and support uses, and authorizes the University to develop the following facilities:

- Academic and academic support facilities (an additional 2,035,000 net square feet (sq. ft.) plus the square footage remaining under the 1989 GUP)
- Childcare or community centers (an additional 40,000 sq. ft.)
- Temporary trailers and surge space (up to 50,000 sq. ft.)
- Parking structures and lots (2,300 net new parking spaces)
- Housing (3,018 housing units)

The Board approval of the 2000 GUP and the EIR resulted in mitigation measures. The EIR identified mitigation measures, which were formally adopted in the Mitigation Monitoring and Reporting Program (MMRP).

GUP Condition D.2 requires Stanford to implement the identified MMRP mitigation requirements as follows:

"If at any time the County Planning Commission determines that Stanford is not in compliance with one or more conditions of the General Use Permit, it may take corrective action as provided in the County Ordinance Code including, but not limited to, suspension of any future development approvals until such time as the conditions are met. Failure of Stanford to comply with aspects of the Mitigation Monitoring and Reporting Program adopted for the GUP or any specific projects approved under the GUP for which Stanford is responsible shall also constitute a violation of these GUP conditions for which corrective action may be taken as described above."

This Sixteenth Annual Report (AR 16) documents Stanford's development activity and compliance with both the conditions of the 2000 GUP and any specific conditions associated with proposed building projects. It covers the period from September 1, 2015, to August 31, 2016. Activities or projects that occurred after August 31, 2016, are beyond the scope of this Annual Report, but will be presented in the next Annual Report that will cover activities between September 1, 2016, and August 31, 2017.

This report is organized into seven primary sections and six appendices:

- **I. Introduction** presents the background and overall requirements of the 2000 GUP, the reporting period and organization of the Annual Report, and provides a glossary of terms used in this report.
- II. Development Overview presents major statistics on certain 2000 GUP provisions, including the academic building area cap, the distribution of development, development projects that do not count toward the building area cap, housing, and parking.
- III. Overview of Monitoring During Fifteenth Year summarizes Stanford's activities and status of compliance with 2000 GUP conditions.
- IV. Project Summaries provides summaries of major Stanford projects that received Architectural and Site Approval (ASA) within this Annual Report's reporting period.
- V. Anticipated Future Development lists projects anticipated for submittal/approval during the next Annual Report period. Includes a map showing proposed locations.
- **VI. Other Information -** presents references for the information used in this Annual Report and the persons involved in its preparation.

Appendix A - provides maps to illustrate the general orientation of Stanford University lands and campus.

Appendix B - presents the complete list of 2000 GUP conditions and associated activities in the reporting period.

Appendix C - provides cumulative tables and location maps for building projects, housing projects, parking projects, and grading projects.

Appendix D - provides a summary of the result of traffic monitoring at the Stanford University campus between 2001 and 2016.

Appendix E – presents the Stanford Sustainability Annual Report.

Appendix F – provides a summary of Stanford's approved Alternate Means Programs.

Glossary of Terms

The following terms and acronyms are used in this Annual Report:

- **AR Annual Report:** "AR 16" refers to Stanford's 16th annual report on development and compliance with GUP conditions.
- ASA Architectural and Site Approval: A procedure established by the County of Santa Clara Zoning Ordinance to review the quality of site and architectural design associated with a proposed project. ASA may establish conditions of approval that change and improve development design.
- ASX Small Project Exemption from ASA: Projects that are below a certain threshold due to their minimal impact are exempt from the full ASA process and public hearing. ASX is a discretionary staff approval process. ASX may establish conditions of approval that change and improve development design.
- **CEQA** California Environmental Quality Act: The overarching California law under which environmental reviews are conducted.
- **CP Stanford Community Plan:** Plan that refines the policies of the Santa Clara County's 1995 General Plan as they apply to Stanford lands under County jurisdiction.
- **EIR Environmental Impact Report:** Documents the result of environmental analyses conducted under CEQA.
- GUP 2000 General Use Permit: Permit issued to Stanford by the County of Santa Clara, which describes the allowable distribution of additional building area, and establishes procedures under which construction may occur and associated measures that must be accomplished before, during and after construction as conditions of approval for development.
- **NPS Non-point source:** Refers to pollution of runoff by diffuse sources, such as vehicle traffic on parking lots or streets.
- **NSF** Net square feet: Total "net" or overall change in square footage. This category designates a total amount of positive or negative square footage for a project, based on square footage of total construction ("gross square footage") less any credits for demolition.
- **SDS** Sustainable Development Study: A Study required under GUP Condition E.5 that was submitted by Stanford and approved by the Board of Supervisors in 2009.

GUP Building Area Cap

The 2000 GUP (GUP Condition A.1.b) establishes a 2,035,000-net-square-foot building area cap for new academic and academic support uses. The limit applies to most nonresidential development that Stanford proposes to build during the time that this GUP is in effect. Because the exact amount of square footage may change due to design refinements that occur between initial ASA application and subsequent issuance of a building permit, the County requires that the actual square footage deducted from the building area cap be documented at the time a building permit is issued. The cumulative total building area authorized during the reporting period is provided in this annual report for those projects that received building permits between September 1, 2015 and August 31, 2016.

The GUP generally distributes the 2,035,000 sq. ft. of additional academic and academic support facilities among 11 development districts on the Stanford Campus. Map 2 in Appendix A shows the development districts. The majority of 2000 GUP academic building area is allocated to the Campus Center. The allocation of square footage between the development districts can deviate from the GUP's general allocation as long as the GUP procedures are followed (see GUP Condition E.2). For example, during the AR 8 reporting period, the allocation for Campus Center was revised down from 1,600,268 gsf to 1,480,268 gsf to allow for the allocation of 120,000 gsf to the DAPER and Administrative district to accommodate the Knight Management Center and future anticipated projects, which is consistent with the 2000 GUP.

Table 1 lists the development districts, the 2000 GUP allocation of building area for each district, and the amount of academic/academic support square footage that received ASA or building permit approval in each district during this reporting period. The academic/academic support projects that do not affect the GUP building area cap are not shown in Table 1. See Section IV, Project Summaries, for additional information on projects that received ASA approval during the AR 16 reporting period.

TABLE 1 ANNUAL REPORT 16 DISTRIBUTION OF GUP-ALLOWED ACADEMIC AND ACADEMIC SUPPORT DEVELOPMENT¹

Development District	2000 GUP Building Area Distribution (gsf)	GUP Building Area Distribution at the end of AR 16 ¹	ASA Approved Space in AR 16 (sq. ft.)	Building Permit Approved Space in AR 16 ² (sq. ft.)	Previous ARs Cumulative Building Permit Approvals (sq. ft.)	Cumulative Total Building Permits Approved ³ (sq. ft.)	GUP Balance Remaining (sq. ft.)
Campus Center	1,605,000	1,389,337	24,408	6,518	978,506	985,024	404,313
DAPER & Administrati ve	250,000	370,000	(1,508)	(1,508)	364,681	363,173	6,827
East Campus	110,000	109,136	0	0	(38,112)	(38,112)	147,248
Quarry	50,000	50,000	0	0	0	0	50,000
Lathrop	20,000	20,000	0	0	0	0	20,000
West Campus	0	16,795	0	0	16,078	16,078	717
Foothills	0	4,732	0	0	3,192	3,192	1,540
Lagunita	0	75,000	0	0	73,195	73,195	1,805
Arboretum	0	0	0	0	0	0	0
San Juan	0	0	0	0	0	0	0
Total	2,035,000	2,035,000	22,900	5,010	1,397,540	1,402,550	632,450

- 1. 2000 GUP Conditions E.2, 3, and 4 allow for deviations from the building area cap for each district. Any proposed increase in development in a district will be accompanied by an identified corresponding proposed decrease equivalent in building area in one or more of the other districts so that the overall campus-wide GUP building area cap is not exceeded. A cumulative maximum of 15,000 square feet of building area may be located in the Foothills District in a manner consistent with the General Plan and zoning. This amount may not be increased. Redistribution occurred in AR 8, AR 9, AR 11, AR 13, and AR 14.
- 2. Square footage is counted against the GUP building area cap in the reporting year in which the building permits are approved.
- 3. Cumulative totals include adjusted results from the current and previous annual reports. Also see Appendix C and/or previous annual reports for more detailed background on these cumulative totals.

During the AR 16 reporting period, 7 projects received ASA and 2 projects received ASX approvals. In addition, the County also processed 2 of these as project resubmittals.

Figure 2 illustrates the cumulative status of building-permit-approved square footage for academic/academic support facilities, including the ASA approved square footage counted during the reporting period, as also shown in Table 1. In addition, it illustrates the remaining allowable square footage for development under the 2000 GUP.

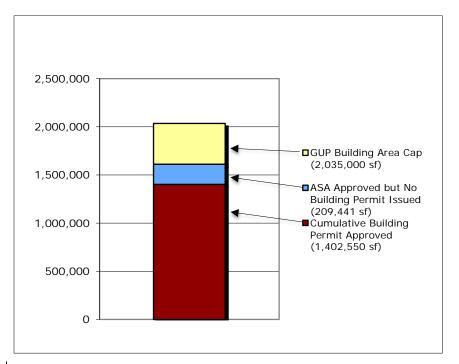
Figure 2 illustrates the cumulative status of development that counts toward the **GUP** building area cap. The square footage of building permit approvals is cumulative. In contrast, ASA approved square footage is only shown for projects that received ASA and ASX (small

project) approval

during the current

reporting period.

FIGURE 2: CUMULATIVE DEVELOPMENT ACTIVITY 12/12/00 - 8/31/16

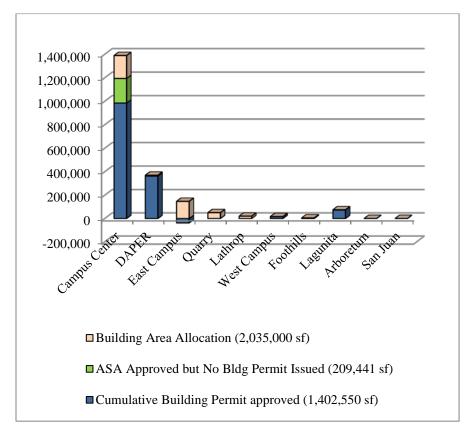


The Stanford Community Plan and GUP Condition E.5 required that a Sustainable Development Study (SDS) be completed and approved prior to acceptance of applications for the second 50% of the academic development allowed under the 2000 GUP. The SDS was presented to the Stanford Community Resource Group (CRG) on November 13, 2008 and to the Planning Commission on November 20, 2008, and was approved by the Board of Supervisors on April 7, 2009. See Appendix E for a Summary of Stanford's Sustainability Activities during this reporting period.

Figure 3, below, based on data in Table 1 and Figure 2, illustrates the 2000 GUP distribution of academic/academic support square footage throughout the 10 development districts, and the academic/academic support square footage authorized by building permits or received approval by the ASA committee during the current reporting period. Anticipated projects or projects in the approval process for Annual Report 16 reporting period are noted in Section V, Table 6.

FIGURE 3: DISTRIBUTION OF ACADEMIC DEVELOPMENT

A map of Stanford
University's
Development District is
provided in Map 2 in
Appendix A. The
distribution of GUPallowed academic and
academic support
development is detailed
in Table 1.



Other Space Caps

Remaining 1989 GUP Approved Square Footage

In addition to providing a 2,035,000 sq. ft. academic/academic support building area, the 2000 GUP preserved the remaining 92,229 gsf authorized but undeveloped under the 1989 GUP. The remaining 1989 GUP approved square footage was consumed during the Annual Report 5 reporting period.

Temporary Surge Space

The 2000 GUP (Condition A.2.c) allows Stanford University to install up to 50,000 sq. ft. as surge space during construction. Surge space is typically provided by installing modular buildings for a limited time. There was no change in the square footage of temporary trailers during this reporting period.

Childcare and Community Centers

The 2000 GUP (Condition A.2.c) allows up to 40,000 sq. ft. of building area for the purpose of new childcare or community centers, in addition to the academic/academic support building area. As indicated in Table 2, a total of 3,638 gsf remains available.

II. Development Overview

TABLE 2
ANNUAL REPORT 16
OTHER SPACE CARS - DRO IECT SHMMARY

Non- Building Cap Category	Maximum Allowable Square Footage	ASA Approved (sq. ft.)	Building Permit (sq. ft.)	Approved (sq. ft.) from AR1- from AR1-AR16		Balance Remaining (sq. ft.)
Remaining 1989 GUP Square Footage	92,229	0	0	92,229	92,229	0
Temporary Surge Space	50,000	0	(3,050)	20,224	17,174	32,826
Childcare/ Community Center	40,000	0	0	36,362	36,362	3,638

Housing

The 2000 GUP allows for the construction of 3,018 net new housing units on campus, with allocations for faculty and staff, graduate and undergraduate students, and postdoctoral and medical students as shown in Table 3. The GUP identified potential housing sites for students, staff and faculty (Map 3, Appendix A). As with academic/academic support building space, the housing units must be distributed among the 10 development districts (see Table 3).

Housing may also be developed on sites other than those shown on Map 3. The estimated distribution of the type and location of housing among development districts may deviate from the locations described in the 2000 GUP pursuant to Conditions F.2, F.3, and F.4. As explained under Condition A (A.1.c, A.1.d, and A.3.b), the square footage of housing units constructed is tracked but does not count toward the 2000 GUP building area cap (see Table C-2, Appendix C).

During the AR 16 reporting period, 2 new housing projects and one conversion project (from housing to academic space) were approved and constructed, resulting in 385 net new student housing units. For purposes of the housing linkage requirement, as provided in GUP Condition F.8, the housing requirement is counted at the time of the framing inspection. The Planning Commission also approved a 1,450 unit increase to the housing allocation, pursuant to GUP Condition F.7.

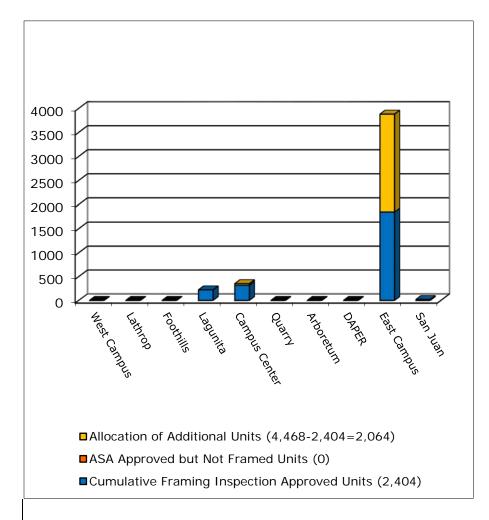


FIGURE 4: DISTRIBUTION OF RESIDENTIAL DEVELOPMENT

There is currently a total allocation of 4,468 housing units for the campus. As illustrated in Figure 4, the cumulative total number of approved units under the 2000 GUP allocation, which have completed framing inspection, is 2,404 units. A total of 2,064 housing units remain available under the housing allowance.

TABLE 3 ANNUAL REPORT 16 DISTRIBUTION OF RESIDENTIAL DEVELOPMENT

David an mont District	Allowable 2000 GUP Net Additional Units	ASA Approved Units but Not Yet Framed	Past Cumulative ²	Final Framing Inspection Approved Units	Cumulative
Development District ¹	0	()	()	0	()
West Campus				·	,
Lathrop	0	0	0	0	0
Foothills	0	0	0	0	0
Lagunita - Driving Range - Searsville Block - Mayfield/Row	221	0	3	218	221
Campus Center	351	0	351	$(33)^5$	318
Quarry - Quarry/Arboretum - Quarry/El Camino	0	0	0	0	0
Arboretum	0	0	0	0	0
DAPER & Administrative	0	0	0	0	0
East Campus - Manzanita - Escondido Village - Quillen - GSB Residences	3,878	0	1,647	200	1,847
San Juan - Lower Frenchman's - Gerona - Mayfield	18	0	18	+2 (717 Dolores)-2 (La Maison Francaise)	18
Total	4,468 Allowed ^{1, 3, 4}	0	2,019	385	2,404

- 1. Housing may be developed on other sites and development may vary from the estimated distribution with regard to either the type (student, postdoctoral, or faculty/staff) or amount of housing on the site (2000 GUP Conditions F.2, F.3, and F.4). Redistribution was reported in AR 6, AR 13, AR 14, and AR 16.
- 2. Cumulative totals include results from previous annual reports. See Appendix C and/or previous annual reports for more detailed background on these cumulative totals.
- 3. A GUP amendment was approved on May 5, 2015 to revise the remaining housing allocations by housing types, to provide flexibility in meeting campus housing needs. All remaining unused housing allowances consisting of 228 faculty/staff beds, 3 graduate student bends, and 350 post-doc/medical resident beds, were approved to be usable for any type of university affiliate housing.
- 4. 1,450 additional housing units were approved on March 24, 2016 pursuant to GUP Condition F.7, in preparation for the Escondido Village Graduate Residences (EVGR) project. At the same time, 566 housing units from various Development Districts were reallocated to the East Campus Development District (194 from Lagunita, 1 from Campus Center, 350 from Quarry, and 21 from San Juan). As of the end of FY 16, the ASA for the EVGR project had not yet been approved.
- 5. The Kingscote Gardens Renovation was approved on March 30, 2016, removing 33 units from the housing inventory for conversion to academic offices.

Parking

The 2000 GUP allows for 2,300 net new parking spaces above the campus base of 19,351 spaces. As explained in Condition A.3.c, the building area of parking structures does not count towards the GUP academic/academic support building area cap. As with academic/academic support building area square footage and housing, the allowed parking spaces have been distributed among the development districts (Table 4 and Figure 5).

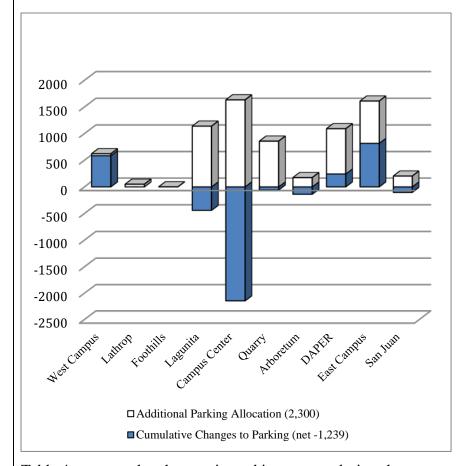


FIGURE 5: DISTRIBUTION OF PARKING SPACES

Table 4 presents the changes in parking spaces during the current reporting period, and cumulative increases and decreases in parking spaces on the campus during the AR 1 through AR 16 reporting periods.

During the AR 16 reporting period, there was a net increase of 11 parking spaces on campus. The cumulative change in the parking inventory is a net decrease of 1,239 parking spaces under the 2000 GUP.

TABLE 4 ANNUAL REPORT 16 DISTRIBUTION OF PARKING

+							
Development District	Base Parking GUP EIR	2000 GUP Allowed Change in Parking Spaces	AR 16 Contribution	Previous AR 1-15 Contribution	Cumulative (AR 1 Through Current AR 16)	EIR Base and Cumulative (Current Parking Capacity)	Unused 2000 GUP Allocation
West Campus	191	622	126	459	585	776	37
Lathrop	0	50	0	0	0	0	50
Foothills	0	0	0	0	0	0	0
Lagunita	1,745	700	111	(551)	(440)	1,305	1,140
Campus Center	8,743	(511)	(128)	(2,016)	(2,144)	6,599	1,633
Quarry	1,058	800	(61)	3	(58)	1,000	858
Arboretum	134	36	(6)	(132)	(138)	(4)	174
DAPER & Administrative	2,209	1,092	2	240	242	2,451	850
East Campus ¹	4,731	1,611	0	817	817	5,548	794
San Juan	540	100	(33)	(70)	(103)	437	203
Campus Wide Summary	19,351	$2,300^2$	11	(1,250)	(1,239)	18,112	3,539

- 1. Parking allocation in East Campus increased from 900 to 1,611 spaces and decreased in Campus Center from 200 to negative 511 with the approval of Parking Structure 6 (Munger).
- 2. According to 2000 GUP Condition H.1, the total net additional parking on campus shall not exceed 2,300 spaces, except for parking provided with any housing that is constructed in excess of 3,018 planned housing units. Also, per GUP Condition H.1, parking constructed as part of and for new faculty/staff housing in areas designated Campus Residential-Low Density and Campus Residential-Medium Density will not count toward the limit for each development district. In order to allow flexibility in the distribution of parking, the GUP also sets an upper limit for new parking in each development district. Some districts will ultimately build less than their GUP allocations. Thus, the sum of unused district allocations is more than the remaining 2000 GUP allocation, which is the campus-wide maximum number of parking spaces that will be built under this GUP.
- 3. Parking allocation for Arboretum increased from zero to 36 spaces and decreased in DAPER from 1,700 to 1,664 when on-street, non-striped parallel parking was converted to striped, angled parking along the west side of the street, and two-way traffic was converted to one-way northbound traffic in association with the Galvez Parking Lot project.
- 4. Parking allocation for West Campus increased from 50 to 622 and decreased in DAPER from 1,664 to 1,092 when 611 new surface parking stalls were added to the Searsville Parking lot and 19 on-street parking spaces were removed in West Campus.
- 5. In FY 16, Stanford conducted a comprehensive quality review of the parking inventory which resulted in the following corrections:
 - (i) 61 spaces were removed from the Quarry District inventory (Lot 1-A and Parking Structure 9 next to Hoover Pavilion) as these are in Palo Alto, but entered into the inventory in AR 14 and AR 15 by mistake;
 - (ii) 28 faculty/staff-only spaces in the San Juan District within R1S and R3S zoning were removed from the inventory, consistent with the treatment of parking for the faculty subdivision per GUP Condition H.1; and
 - (iii) 108 bus storage and staging spaces were removed from the inventory, including 64 spaces at L-20 for storage of Marguerite shuttles in the Campus Center District; 38 spaces at Oak Road for staging of Marguerite, tour bus, charter bus, and authorized oversize vehicle and equipment in the Campus Center District; and 6 spaces for tour bus staging in the Arboretum District. Bus storage and staging areas are not part of the parking inventory that can be used by commuters, campus residents, or the general public, but rather serve to facilitate a mode of transportation that reduces vehicular trips to and from campus.



III. Overview of Monitoring During Sixteenth Year

This section provides a summary of activities conducted during the AR 16 reporting period in compliance with 2000 GUP conditions. For a complete discussion of compliance with each 2000 GUP condition, please see Appendix B.

GUP Condition A: Building Area

Section II of this Annual Report provides statistics and distribution of building area by district. It also provides accounting of the 2000 GUP space expenditure for those projects that received building permits during the AR 16 reporting period. Descriptions and illustrations of projects that received ASA and ASX during the AR 16 reporting period are provided in Section IV.

During the AR 16 reporting period, September 1, 2015 through August 31, 2016:

- Stanford did not exceed the GUP building area cap, or the GUP caps for new housing and parking.
- Stanford also remained within the other space caps established under the GUP.

GUP Condition B: Framework

A total of 11 projects received ASA approval or ASA Small Project Exemption (ASX) during the AR 16 reporting period. All were determined to be consistent with General Plan land use designations and zoning. Stanford University paid all costs associated with the work conducted by the County Planning Office in relation to the 2000 GUP (staff time, consultant fees, and the direct costs associated with report production and distribution) in a timely manner.

GUP Condition C: Monitoring, Reporting, and Implementation

The County Planning Office gathered comprehensive data related to Stanford projects, compiled the information, produced and published the AR 16 pursuant to the 2000 GUP. Stanford University provides funding for all aspects of the Annual Report preparation, and necessary information included in the report.

The Draft AR 16 will be presented to the Community Resource Group on May 11, 2017 and the final report will be presented to the Planning Commission at the June 2017 public hearing.

GUP Condition D: Permitting and Environmental Review

During the AR 16 reporting period, Stanford received ASA or ASA Small Project Exemption (ASX) for 11 projects. All of these projects were determined to be consistent with the General Plan land use designations and zoning requirements, and found to be adequately analyzed in the CP/GUP EIR. See Section II of this Annual Report for the status of each project.

When violations of codes, ordinances or other requirements occur, they are addressed through appropriate County procedures. It is beyond the scope of this Annual Report to document every minor violation of County ordinances or other requirements that occur on Stanford University land. As of this Annual Report, there has been no action that would require the County Planning Commission to consider or determine Stanford to be in non-compliance with any GUP condition or mitigation requirement. Stanford University remains in compliance with the GUP.

The zoning enforcement office and building inspection office report that Stanford University is in general compliance with other County requirements.

GUP Condition E: Academic Building Area Review

Stanford is in compliance with GUP Condition E.5. See Appendices B and E for more detail. Appendix E is provided electronically at http://sustainability-year-in-review.stanford.edu/2016/.

GUP Condition F: Housing

During this reporting period, Stanford framed 418 units at the GSB Residences and the New Residences at Lagunita Court projects, and converted 33 units at Kingscote Gardens to academic space, adding a net new total of 385 housing units. The total number of campus housing units constructed under the 2000 GUP is 2,404.

Currently, Stanford's capacity for providing student-housing units remains equivalent to the capacity identified by Stanford University at the time of initial occupancy. Stanford's housing need is subject to fluctuation during any given year. Accordingly, Stanford University may redistribute the student population among existing housing facilities in any given year, based on current population and programmatic needs. The County will, as needed, reassess housing availability status with appropriate Stanford University staff. If Stanford University should ever apply for a development permit that would change the number of beds available to students, that action and the change in beds would be reported in the Annual Report.

III. Overview of Monitoring During Sixteenth Year

The 2000 GUP requires Stanford to build additional housing units commensurate with the development of academic/academic support facilities. The threshold at 1,000,000 gsf of academic or academic support area requires a minimum of 1,210 housing units. Stanford University has constructed 2,404 units and is therefore, in compliance with this requirement.

Stanford University has complied with County requests for affordable housing in-lieu payments after building permit issuance and before occupancy. As of August 2016, the affordable housing fees are assessed at the rate of \$20.37 per square foot of net new academic or academic support space approved under the building permit. Stanford has made affordable housing fee payments to date (as of August 2016) totaling \$25,692,201.09 Five affordable housing projects have been funded so far with \$13,345,811. The five projects built within the 6 mile radius from Stanford Campus boundary have provided 319 affordable housing units, with 137 units restricted to very low income to extremely low income families. Maybell Orchard proposed by Palo Alto Housing Corporation, originally planned to provide 50 units, was cancelled in November 2013. The fund balance as of August 2016 is \$12,346,390.09 which has been set aside by the Board towards the Buena Vista Mobile Home Park project in Palo Alto.

The GSB Residences and New Residences at Lagunita Court were framed within this reporting period.

GUP Condition G: Transportation

A baseline traffic count to determine the existing level of commute trips entering the campus during the morning peak commute period and leaving the campus during the evening peak commute period was established in 2001. Data collection during the AR 16 monitoring period involved 6 weeks in Spring 2016 and 2 weeks in Fall 2016 to monitor Stanford's compliance with the "no-net-new commute trip" standard. The Stanford University Traffic Monitoring Report 2016 is available for review at the County and is also available on the County website. (https://www.sccgov.org/sites/dpd/Programs/Stanford/Pages/Archi ve.aspx). Results of annual traffic monitoring are summarized in Appendix D of this document.

The Annual Report normally reports on activity between September 1 and August 31. However, the annual Traffic Monitoring Reporting period is the same as the baseline, 6 weeks in the Spring and 2 weeks in the Fall.

The 2016 Monitoring Report concluded that the adjusted morning (AM) inbound count totaled 3,170 vehicles. This number is 269

vehicles below the baseline, the 90% confidence interval, and does not represent a significant AM inbound traffic increase. The afternoon (PM) outbound count totaled 3,316 vehicles. This number is also below the 90% confidence interval by 239 vehicles and below the one-percent established trigger by 275 vehicles. Trip credits submitted by Stanford were not applied as the vehicle counts were below the thresholds in this reporting period. Therefore no additional mitigation is required.

The 2016 traffic monitoring cordon locations used for traffic monitoring are shown on Map A-4, Appendix A. Data and analysis of these counts, reported in March 2016, are provided in Appendix D of this annual report.

GUP Condition H: Parking

During AR 16 reporting period, all parking projects were in compliance with GUP Condition H. Detailed information may be found in Section II, Table 4 and Appendix B, Appendix C (Map C-3) and Figure 5. As indicated in this Annual Report, several parking projects were implemented. The cumulative change in the parking inventory remains significantly under the cap set for the 2000 GUP, which allowed a total increase campus-wide of 2,300 spaces. With cumulative reductions, the remaining parking capacity that could be installed under the 2000 GUP parking cap is 3,539 spaces.

GUP Condition I: Parks and Recreation Facilities

<u>Construction of C2/Arastradero Trail</u>: Construction and trail improvements were completed and the trail was dedicated in November 2013. The trail links to the Pearson-Arastradero Preserve.

San Mateo County and Stanford did not reach agreement for the San Mateo C1 segment and in February 2012, Stanford paid the County approximately \$10.3 million. In August 2012, the County issued a request for applications for projects that would serve as alternative mitigation measures to address the loss of recreational facilities on the Stanford campus. The County received 15 project applications from six local agencies. The Board of Supervisors declared its intent to fund six of the 15 projects, including \$4.5 million to Stanford to construct a perimeter trail along El Camino Real and Stanford Avenue frontages. The Board also directed County Administration to negotiate projects agreements for the selected projects and submit approval to the Board consistent with the requirements of CEQA. The Stanford Perimeter Trail was approved in December 2014 and completed and open to the public in April 2016.

III. Overview of Monitoring During Sixteenth Year

GUP Condition J: California Tiger Salamander

The final Stanford University Habitat Conservation Plan (HCP) and Final Environmental Impact Statement (EIS) were published on November 23, 2012 and the HCP was revised in March 2013. On August 13, 2013, the County Board of Supervisors acknowledged the determination that the approved HCP provides equal habitat value and protection for the California Tiger Salamander (CTS). Therefore, the HCP supersedes all conditions in the GUP that address the CTS, implementing Condition J.9 of the GUP.

GUP Condition K: Biological Resources

Three projects that began construction during the current reporting period required pre-construction surveys for breeding raptors and migratory birds. For more information, see Appendix B, Condition K.2. No special status plant assessments was conducted on campus during this reporting period.

GUP Condition L: Visual Resources

Seven projects approved during the reporting period included exterior lighting. The ASA conditions of approval required the lighting impacts to be mitigated and limited to the site to be in keeping with the Visual Resources conditions.

GUP Condition M: Hazardous Materials

During the AR 16 reporting period, no new buildings will include hazardous materials that are regulated by the California Accidental Release Prevention Law.

GUP Condition N: Geology and Hydrology

During the AR 16 reporting period, all projects were in compliance with GUP Condition N. See Appendix B, Condition N for more details.

GUP Condition O: Cultural Resources

During the AR 16 reporting period, all projects were in compliance with GUP Condition O. See Appendix B, Condition O for more details.

GUP Condition P: Utilities and Public Services

During the AR 16 reporting period, all projects were in compliance with GUP Condition P. See Appendix B, Condition P for more detail.

GUP Condition Q: Air Quality

All approved projects were required to comply with BAAQMD's permitting, control measures and recommendations as appropriate. See Appendix B, Condition Q for more detail.

GUP Condition R: Noise

Stanford complied with the requirements of the County Noise Ordinance on individual construction projects. Two events per calendar year are allowed by the GUP, and additional fireworks events were allowed under separate permits. Stanford continues to meet the GUP Condition by operating the noise hotline at (650) 724-4900, which is intended to log complaints related to outdoor special events and high impact events on campus. The University reports that 49 complaints were received during FY 16, 42 of which were from campus residents about noises such as party noise and loud music, within residential areas on-campus.

See Appendix B, Condition R for more detail.

GUP Condition S: Additional GUP Conditions

This condition was a requirement for Stanford University to agree to the GUP conditions of approval within 60 days. This condition was fulfilled in Annual Report 1.

IV. Project Summaries

Project Summaries

This section presents brief project summaries of all major projects that received ASA approval or exemption and/or a building permit or demolition permit during the reporting period. A list of projects that received approval is presented at the end of this section. Figure 6 shows the locations of the major projects.

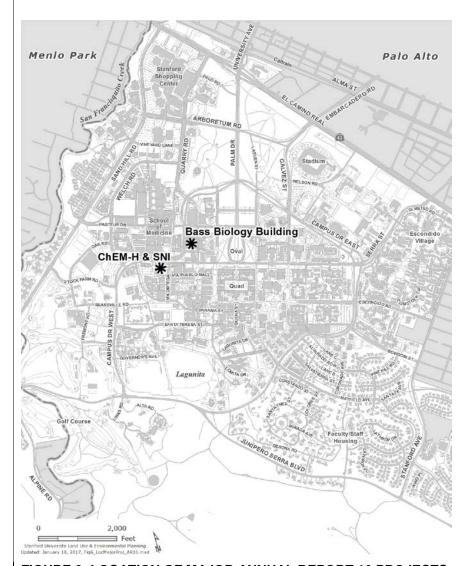


FIGURE 6: LOCATION OF MAJOR ANNUAL REPORT 16 PROJECTS

File No. 10829: Bass Biology Building

ASA Application Submitted: 11/02/2015

ASA Approved:

01/07/2016

Status as of 08/31/16:

Under construction. Expected completion in Fall 2018.

Project Description:

The Bass Biology Building consists of a new 120,337 sf five-story laboratory research facility to support Neurobiology and Cell Biology research, plus the study of Ecology and Evolution. Principal functions and spaces in the building will include Research Laboratories, Offices, Administrative Spaces, and Meeting spaces.

The building site is between Gates Computer Science and Mudd Chemistry buildings. The project is a programmatic replacement for the Herrin Labs and Herrin Hall buildings, which will be demolished once the occupants and programs move into the new Bass building, removing 78,047 sf and 35,944 sf respectively for a total removal of 113,991 sf.

14 trees will be removed, 2 trees will be relocated, and 65 trees will be replanted. Estimated grading quantities are approximately 24,000 cubic yards of cut and 12,000 cubic yards of fill. This project is academic space; therefore the building space counts against the 2000 GUP building area cap.

Development District: Type of Project: Campus Center

Academic



Applicable GUP Conditions:

Stanford is in compliance with Mitigation Monitoring and Reporting Program requirements and GUP Conditions for this project. Detailed summaries of project-related conditions are maintained in County project files.

File No. 10784: ChEM-H & SNI

ASA Application Submitted:

07/09/2015

ASA Approved:

12/03/2015

Status as of 08/31/16:

Under construction. Expected completion in Spring 2018.

Project Description:

The ChEM-H & SNI Building consists of a new 210,953 square foot, four-story laboratory facility to support combined interdisciplinary research initiatives for Stanford ChEM-H (Chemistry, Engineering & Medicine for Human Health) and SNI (Stanford Neuroscience Institute). Principal functions and spaces include research laboratories, offices, administrative spaces, meeting and interaction spaces, and an animal research facility on the lowest level. The facility also includes a new below-grade tunnel extended from the lowest floor level to the existing research facility across Campus Drive to the North.

This project is on the site of the former Cogeneration Facility, and a portion of an underground Ice Storage Facility, both decommissioned and demolished in 2015 under separate permits. The Acacia and Laurel buildings nearby also received separate demolition permits in FY 16 and will be used as construction trailers prior to their demolition around 2018.

18 trees will be removed, 1 tree will be relocated, and 51 trees will be replanted. Estimated grading quantities are approximately 40,000 cubic yards of cut and 25,500 cubic yards of fill. This project is academic space; therefore the building space counts against the 2000 GUP building area cap.

Development District:

Type of Project:

Campus Center

Academic





Applicable GUP Conditions:

Stanford is in compliance with Mitigation Monitoring and Reporting Program requirements and GUP Conditions for this project. Detailed summaries of project-related conditions are maintained in County project files.

TABLE 5 ANNUAL REPORT 16 DEVELOPMENT PROJECTS RECEIVING ASA OR OTHER APPROVAL

PC/ File #	Project Name	Development District	ASA gross sq. ft.	Demolition sq. ft.	Bldg. Permit sq. ft.	Development Status
Projects tha	t affect GUP gsf					
9731	408 Panama Mall	Campus Center	56,990		56,790	Completed
10478	Science Teaching and Learning Center - Old Chemistry Project	Campus Center	75,935		68,151	Completed
5945	Sunken Diamond New Entry/Locker Room Expansion	DAPER & Admin	3,423		3,410	Completed
10540	Roble Gym Renovation	Campus Center	544		544	Completed
6512	Football Stadium New Locker Room	DAPER & Admin	8,966		8,966	Completed
8605	Siebel Varsity Golf Training Complex	West Campus and Campus Center	3,461	(432)	3,431 (no change in demo sf)	Completed
10612	Golf - 10th Tee Improvements	Foothills	0		0	Under Construction
10635	End Station 3 Infrastructure and Code Upgrades	Campus Center	0		0	Completed
5622	Golf Learning Center	Lagunita	2,035	(1,740)	295	Under Construction
41254	Demolition of Central Energy Facility	Campus Center		(8,715)		Demolished
3947	Addition to the Ford Center	Campus Center	3,310		Not yet	Project on hold
10723	Demolition of Cummings Art Center and Construction of Hoover Conference Center & Office Building	Campus Center	50,340	(51,024)	(684)	Under Construction
10804	Regional Loading Dock Expansion (loading dock and café)	Campus Center	2,284	(20,628)	(18,344)	Under Construction
57932	Demolition of HEPL Powerhouse	Campus Center		(3,684)		Demolished

IV. Project Summaries

TABLE 5 ANNUAL REPORT 16 DEVELOPMENT PROJECTS RECEIVING ASA OR OTHER APPROVAL

PC/ File #	Project Name	Development District	ASA gross sq. ft.	Demolition sq. ft.	Bldg. Permit sq. ft.	Development Status
10784	ChEM-H & SNI	Campus Center	210,953		Not yet	Awaiting Building Permits
43135	Earth Sciences Courtyard Infill	Campus Center			2,586	Completed
10832	Kingscote Gardens Renovation	Campus Center	20,298 GUP gsf	(20,298) housing gsf	20,298	Under Renovation
10829	Bass Biology Building	Campus Center	120,337		120,337	Under Construction
10829	Demolition of Herrin Hall	Campus Center		(35,944)		To be demolished in 2018
10829	Demolition of Herrin Labs	Campus Center		(78,047)		To be demolished in 2018
59116	Demolition of Laurel	Campus Center		(2,644)		Demolition permit received; to be demolished in 2018
59116	Demolition of Acacia	Campus Center		(2,178)		Demolition permit received; to be demolished in 2018
56657	Demolition of Ice Storage Facility	Campus Center		0		Demolished
44337	Campus Gas Station	DAPER		(1,508)		Demolished
45043	Home of Champions	DAPER			2,440	Awaiting Building Permit Approval
Projects tha	t affect other gsf					
59600	315 Campus Drive modular (also known as Varian or Durand Surge)	Campus Center		(3,050)		Demolished
Housing						
10541	Lasuen	San Juan	0		Not yet	Renovation deferred
10537	La Maison Francaise (French House)	San Juan	871		871	Completed
9120	717 Dolores	San Juan	928		928	Completed
10600	GSB Residences	East Campus	124,670		124,670	Completed
6819	New Residences at Lagunita Court	Lagunita	74,300		74,300	Completed

	TABLE 5 ANNUAL REPORT 16 DEVELOPMENT PROJECTS RECEIVING ASA OR OTHER APPROVAL								
PC/ File #	Project Name	Development District	ASA gross sq. ft.	Demolition sq. ft.	Bldg. Permit sq. ft.	Development Status			
10832	Kingscote Gardens Renovation		See project with same name under "Projects that affect GUP gsf"						
7165; 10915	Escondido Village Graduate Residences	East Campus	1,824,127	(168,920)		Unit increase approved by Planning Commission; ASA Awaiting Planning Approval			
Site Project	s								
8464	Stanford Perimeter Trail	Multiple Districts	N/A	N/A	N/A	Completed			
10572	Stanford Parking Structure 10 (PS- 10)	Campus Center	N/A	N/A	N/A	Under Construction			
10628	Regional Storm Water Treatment Facility	Campus Center	N/A	N/A	N/A	Completed			
10689	West Campus Detention Basin	West Campus	N/A	N/A	N/A	Completed			
10478	Lomita/Roth Parking Lot and Lomita Road	Campus Center	N/A	N/A	N/A	Under Construction			
6253	Galvez and Serra St Parking Lot	Campus Center	N/A	N/A	N/A	Completed			
10833	Encina Commons Temporary Boiler Installation	Campus Center	N/A	N/A	N/A	Completed			
10414	Palo Lot (laydown)	Quarry	N/A	N/A	N/A	Completed			
10835	Galvez Roundabout	Campus Center	N/A	N/A	N/A	Under Construction			
6838	PS-5 Solar Canopy	Campus Center	N/A	N/A	N/A	Completed			
10572	Via Ortega South	Campus Center/Lagunita	N/A	N/A	N/A	Under Construction			
10893	DAPER Flag Pole Installations	DAPER	N/A	N/A	N/A	Approved			

V. Anticipated Future Development

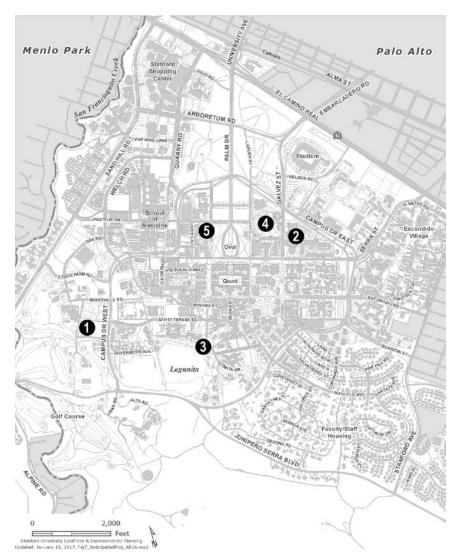


FIGURE 7: LOCATION OF ANTICIPATED PROJECTS

Map ID Project

- 1 Educational Farm Huffington Barn
- 2 Academic Advising and Rowing Center
- 3 Denning House
- 4 Frost Amphitheater Renovations
- 5 Demolition of Organic Chemistry

TABLE 6 ANTICIPATED PROJECTS FOR ANNUAL REPORT 16										
County File	Project	Development District	ASA Application Submitted	Anticipated ASA Square Footage	Anticipated Housing	Anticipated Parking				
ASA Applicat	ions Submitted During	AR 16, No Appro	oval as of August	31, 2016						
10915	Escondido Village Graduate Residences	East Campus	6/30/16	1,655,207 net new housing gsf	2,020 net new units	750 net new				
45043	Home of Champions	DAPER	7/29/16	2,440 (building permit only)	-	-				
ASA Applicati	ions Anticipated for A	R 17 Reporting Pe	eriod							
-	Educational Farm Huffington Barn	West Campus	-	1,263	-	-				
-	Academic Advising and Rowing Center	Campus Center	-	23,714	-	-				
-	Denning House	Lagunita	-	18,000	-	-				
-	Frost Amphitheater renovations	Campus Center	-	10,969	-	-				
-	Demolition of Organic Chemistry	Campus Center	-	(14,270)	-	-				

References

- Santa Clara County 2000 Stanford Community Plan/General Use Permit Environmental Impact Report. Prepared by Parsons.
- Stanford University Community Plan. Adopted by Santa Clara County Board of Supervisors December 12, 2000.
- Stanford University General Use Permit. Approved December 12, 2000.

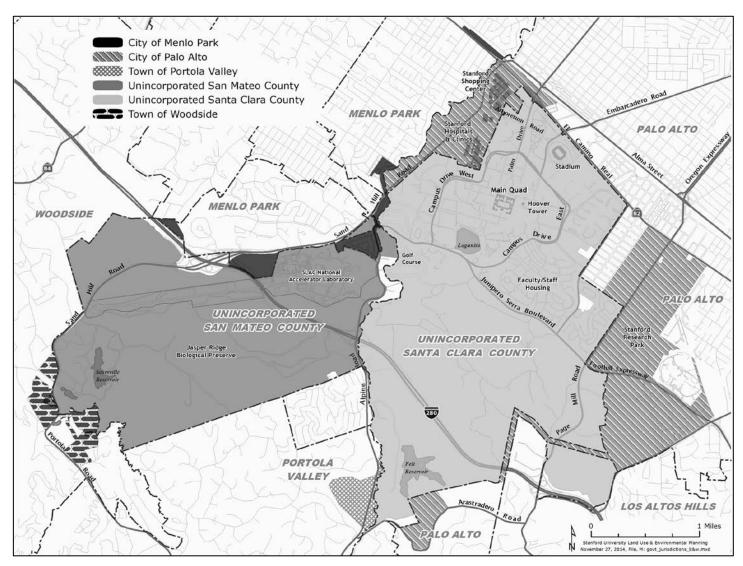
County of Santa Clara Annual Report Preparer

 Kavitha Kumar, Senior Planner (Project Manager: Stanford Environmental Mitigation Monitoring and Reporting Program), Santa Clara County Planning Office (408) 299-5783/kavitha.kumar@pln.sccgov.org

Stanford University Data Providers

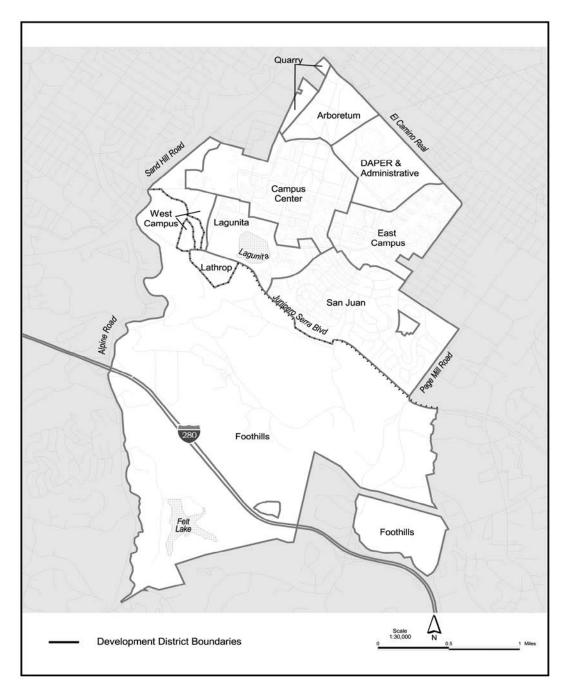
- Catherine Palter, Associate Vice President, Karen Hong, AICP, Community Planner/Analyst, and Joe Ryan, GIS Specialist, Land Use and Environmental Planning
- Brian Shaw, Director, and Brian Canada, Parking Operations Coordinator, Parking & Transportation Services
- Laura Goldstein, Director, Project Managers and staff,
 Department of Project Management
- Adam Porter, Civil Infrastructure Engineer, Utilities
- Project Management Resources, Residential and Dining Enterprises, Environmental Health & Safety Department, Facilities Operations - Utilities, University Architect/Campus Planning and Design

Appendix A Reference Maps



Source: Stanford University 2014

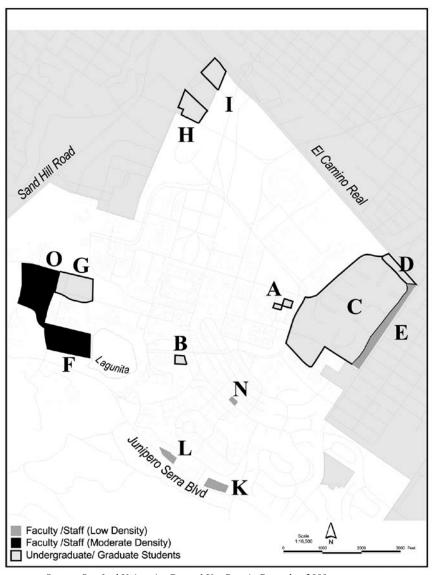
MAP A-1 GOVERNMENTAL JURISDICTIONS ON STANFORD LANDS



Source: Stanford University General Use Permit, December 2000

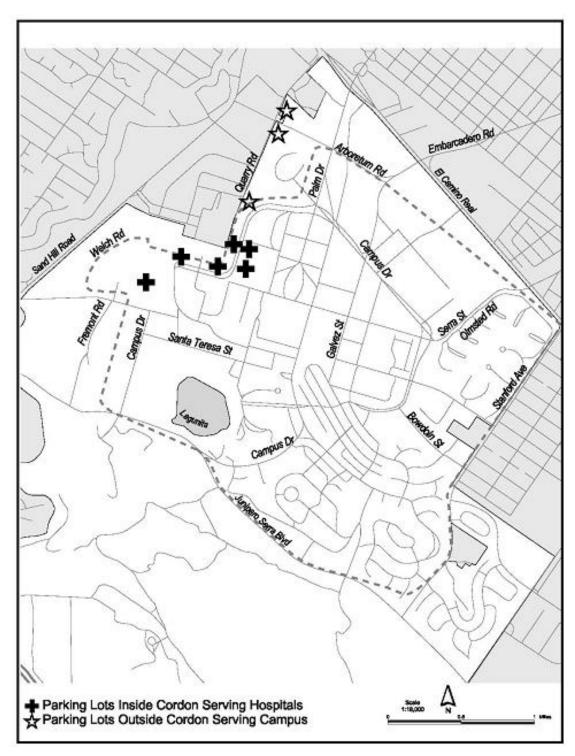
MAP A-2 STANFORD UNIVERSITY DEVELOPMENT DISTRICTS





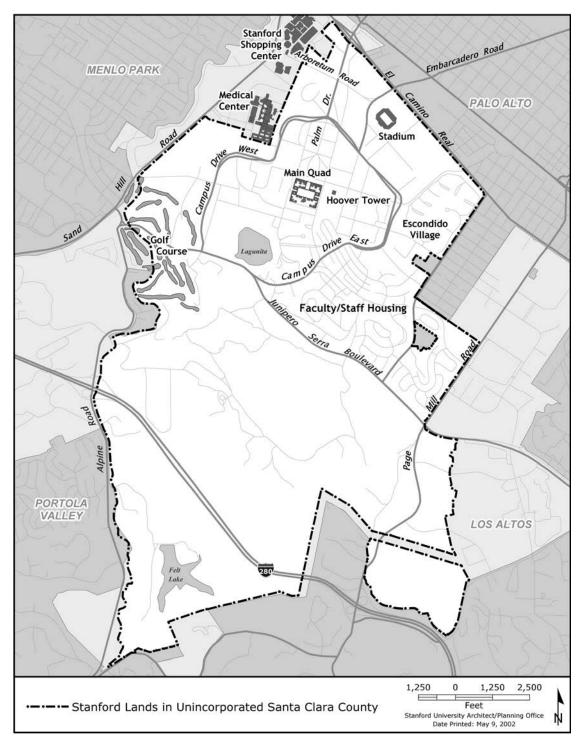
Source: Stanford University General Use Permit, December 2000

MAP A-3 POTENTIAL HOUSING SITES

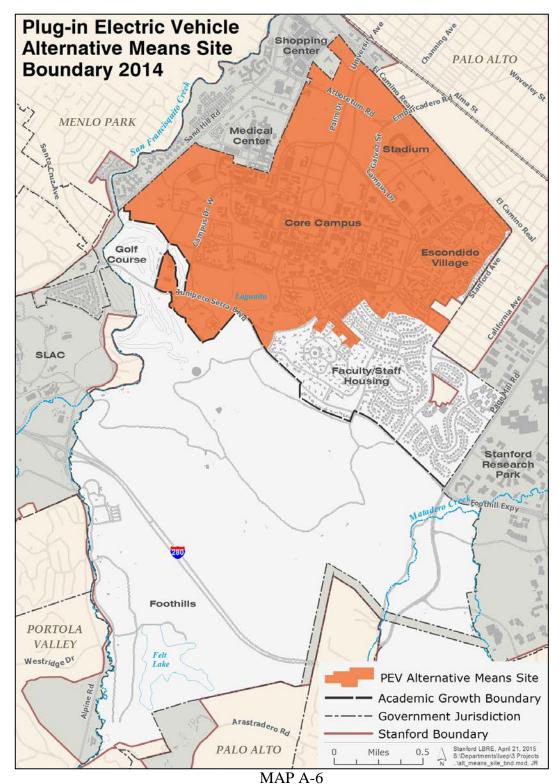


Source: Stanford University General Use Permit, December 2000

MAP A-4
TRAFFIC MONITORING CORDON BOUNDARIES



MAP A-5
GENERAL ORIENTATION MAP OF STANFORD UNIVERSITY
(UNINCORPORATED SANTA CLARA COUNTY)



PLUG-IN ELECTRIC VEHICLES ALTERNATIVE MEANS SITE BOUNDARY 2014

	GUP Condition	Stanford Compliance
A.	Building Area	
A.1.	GUP allowed construction on unincorporated Santa Clara County lands.	Illustrations and details are provided in Section IV of this report of all major projects that received ASA during the current reporting year. Projects are described in detail in the annual report for the period in which ASA was granted; however, academic and support building area is counted against the building area cap in the period during which the project received a building or grading permit. Table 1 in Section II of this annual report shows building area accounting during this reporting period relative to the "GUP building area cap."
		During this reporting period, 418 housing units received final framing inspection, and 33 were removed due to the Kingscote Gardens Renovation project, resulting in 385 net new housing units. As of August 31, 2016, the cumulative housing units are 2,404, as shown in Section II (Table 3). During the AR 16 reporting period, there was a net increase of 11 parking spaces. Changes that resulted from these projects are enumerated in Section II (Table
A.2.	Building area allowed in addition to the GUP building area cap.	4). The remaining 1989 GUP approved square footage was consumed during the Annual Report 5 reporting period, per Condition A.2.a.
		The 2000 GUP (Condition A.2.c) allows Stanford University to install up to 50,000 sq. ft. as surge space during construction activities in the form of temporary trailers, which shall not be counted towards the GUP building area cap. During AR 16, the 315 Campus Drive modulars (also known as Varian Surge or Durand Surge) were removed from the temporary surge space inventory, as shown in Section II (Table 2).
A.3.	Construction that does not count toward the GUP building area cap.	The 2000 GUP (Condition A.3.a) allows up to 40,000 sq. ft. of additional building area for the purpose of new childcare or community centers. During AR 16, no additional projects in this category were constructed, as shown in Section II (Table 2).
В.	Framework	
B.1.	Development under the GUP must be consistent with the Community Plan and General Plan.	11 ASA/ASX projects were approved consistent with the policies in the Community Plan and the General Plan.
B.2.	Definition of a proposed building project.	No action required.
В.3.	Minimum time duration of GUP (modification possible, subject to County Ordinance).	No action required.

	GUP Condition	Stanford Compliance
B.4.	Funding of work associated with conditions of GUP.	Stanford paid all costs associated with work conducted by the County Planning Office in relation to the GUP (staff time, consultant fees, and direct costs associated with report production and distribution) in a timely manner.
C.	Monitoring, Reporting, and Implementation	
C.1.	Preparation of an Annual Report that summarizes Stanford's development over the preceding year, upcoming development, and compliance with GUP conditions.	This Annual Report fulfills Condition C.1. for the reporting period of September 1, 2015 to August 31, 2016.
C.2.a. the resp	County of Santa Clara Planning Office has consibility of preparing the Annual Report.	The County Planning Office staff prepared and distributed this 16 th Annual Report pursuant to the 2000 GUP.
C.2.b.	Funding for Annual Report by Stanford.	Stanford provided funding to the Santa Clara County Planning Office for all aspects of this Annual Report in a timely manner.
C.2.c	Stanford to submit information related to Annual Report.	Stanford provided required information for this Annual Report in a timely manner.
C.2.d.	Annual Report presentation to the Community Resource Group (CRG).	The Draft Annual Report 16 was presented to the CRG on April 13, 2017.
C.2.e.	Presentation of the Annual Report to the Planning Commission in June of each year.	This Annual Report 16 is scheduled for presentation to the Planning Commission at the June 2017 public hearing.
C.2.f.	Time period and content of the Annual Report.	This Annual Report documents Stanford's development activity and compliance with 2000 GUP conditions, and any specific conditions, associated with building projects proposed between September 1, 2015 and August 31, 2016.
C.3.	Funding of work associated with implementing tasks identified in the CP and GUP.	Stanford paid all costs associated with work conducted by the County Planning Office in relation to the CP and GUP during this reporting period (including staff time and consultant fees) in a timely manner.
D.	Permitting and Environmental Review	
D.1.	Review of proposed building projects and issuance of all necessary permits and approvals in accordance with County requirements.	11 projects received ASA/ASX during the reporting period, as described in Section II and detailed in Section IV of this Annual Report.
D.2.	Compliance with adopted GUP conditions and adopted mitigation measures within the Mitigation Monitoring and Reporting Program (MMRP).	During this reporting period, Stanford submitted 10 ASA/ASX applications for projects proposed under the 2000 GUP. All approved projects were in compliance with GUP conditions. For additional details, see Section II of this annual report and Condition K.7 in Appendix B.

	GUP Condition	Stanford Compliance
D.3.	Compliance with CEQA requirements.	All projects that received ASA/ASX approval also received adequate CEQA review and clearance during the reporting period as specified in this GUP condition. (See also GUP Conditions D.4 and I.2).
D.4.	Determination of appropriate level of environmental assessment.	Relevant measures identified in the EIR, and incorporated into the GUP, have been incorporated into the conditions of approval for each project. Additional project conditions of approval were included where necessary.
D.5.	Project specific environmental assessment.	A project-specific environmental assessment, including a CEQA checklist and a traffic study, were submitted for the Escondido Village Graduate Residences project during the reporting period.
D.6.	Impact areas to be considered in environmental assessment.	Not applicable.
Е.	Academic Building Area	
E.1.	Distribution of 2,035,000 square feet of academic and academic support facilities distributed among ten development districts.	During the reporting period, academic/academic support facilities were approved for the Campus Center District. (See Section IV Project Summaries for details).
E.2.	Deviation from the proposed distribution of academic development.	No redistribution of academic square feet was proposed during the reporting period.
E.3.	Maximum allowable development in the Lathrop District shall be 20,000 square feet.	No development was proposed for the Lathrop District during the reporting period.
E.4.	No academic development allowed in the Arboretum District.	No academic development was proposed for the Arboretum District.
E.5.	Complete and submit a Sustainable Development Study (prior to cumulative development total of more than 1,000,000 net square feet).	The Sustainable Development Study (SDS) was approved by the Board of Supervisors on April 7, 2009. More detail on the SDS process was provided in AR 9. Appendix E provides an Annual Report of Stanford's sustainable activities.
	** .	Stanford is in compliance with GUP Condition E.5.
F.	Housing	
F.1.	Type and distribution of the 3,018 housing units allowed under the GUP.	Two student housing projects adding 416 student units and two staff units were completed. The Kingscote Gardens Renovation project converted 33 housing units into academic space. To date, 2,404 net new housing units have been built or framed.
		In FY 13, a GUP Housing Amendment was proposed to allocate 372 faculty/staff units in West Campus to 166 student units in Lagunita and 206 student units in East Campus. The Amendment was approved on November 26, 2013. In FY 15, a GUP Housing Amendment was submitted to allow all remaining unused housing allocation to be usable for any type of

	GUP Condition	Stanford Compliance
		university affiliate housing. The Amendment was approved on May 5, 2015. Redistributions of housing units across development
		districts were approved during FY 6, 13, 14 and 16.
F.2.	Other allowed housing sites.	During the FY 16 reporting period, no housing projects were proposed on sites other than those designated on Map 3, Appendix A.
F.3.	Allowable variation of housing development.	See compliance with GUP Condition F.2 above, and F.4 below.
F.4.	Deviation from estimated housing distribution.	No redistribution occurred in FY 16.
F.5.	No housing may be constructed in the Foothills, Lathrop, or Arboretum districts.	No housing projects were proposed for any of these districts during the reporting period.
F.6.	Compliance with affordable housing requirement.	Stanford has complied with the affordable housing requirement. Stanford pays the in-lieu fee for applicable projects prior to occupancy. Stanford University has complied with County requests for inlieu. As of August 2016, the affordable housing fees are assessed at the rate of \$20.37 per square foot of net new academic or academic support space approved under the building permit. Stanford has made affordable housing fee payments as of August 2016 totaling \$25,698,210.24. Five affordable housing projects have been built so far with \$13,345,811. The five projects were built within the 6 mile radius from Stanford Campus boundary and have provided 319 affordable housing units, with 137 units restricted to very low income to extremely low income families. Maybell Orchard proposed by Palo Alto Housing Corporation, originally planned to provide 50 units, was cancelled in November 2013. The fund balance as of is \$13,489,387.91 which has been set aside by the Board towards the Buena Vista Mobile Home Park project in Palo Alto, which is proposed to have approximately 117 units.
F.7.	Allowance for additional housing beyond 3,018 units.	In FY 16, pursuant to GUP Condition F.7, the addition of 1,450 housing units beyond the initial 3,018 unit housing authorization was approved, for the Escondido Village Graduate Residences project.
F.8.	Housing linkage requirements.	The GUP requires 1,210 housing units to be provided as part of a housing "linkage" to Stanford development of 1,000,000 cumulative sq. ft. of academic square footage. Stanford has constructed a total of 2,404 net new housing units, which complies with the housing linkage requirement.

	GUP Condition	Stanford Compliance
F.9.	For purposes of the linkage requirement, the County will consider Stanford to have met housing compliance at the time of framing inspection.	The County has and continues to use the framing inspection for determination of the housing linkage requirement.
F.10.	Petition for modification of the housing linkage requirements.	Stanford made no petition for modification of the housing linkage requirement.
F.11.	Adoption of new zoning designations for Campus Residential – Low Density and Campus Residential – Medium Density.	Completed during Annual Report 1 reporting period.
F.12.	Allowed suspension of the housing linkage requirement.	There was no suspension of the housing linkage requirement.
G.	Transportation	
G.1.	Intersection modifications.	Completed during Annual Report 1 reporting period.
G.2.	Continued compliance with 1989 GUP transportation requirements.	Stanford continues to offer and further expand the following programs that were in effect during the 1989 GUP: Marguerite shuttle system, carpool incentives, vanpool services, bicycle and pedestrian services, alternative transportation promotional activities, and staff support of alternative transportation programs. Several program changes were made in previous years, which have helped encourage the use of alternative transportation as a means of arriving and departing the campus, and are described fully in AR 9. Changes to the programs are described in subsequent annual reports. In 2015-16, the Zipcar program maintained a fleet of 69 vehicles, the largest Zipcar program at any university in the country. The Marguerite shuttle system now has 27 routes and over 80 buses, with an estimated annual ridership of over 3.1 million. The Marguerite fleet includes 23 electric buses, 10 of which were added to the fleet in the last year. It also includes 5 diesel-electric hybrid buses, and 58 vans, shuttles, and buses fueled by diesel. Marguerite also operates four high-capacity (81 passenger) double-decker motor coaches used for our Transbay service, which has seen continued ridership growth over the last year. In 2015-16, Stanford became the first university to receive a renewal of its Platinum designation as a Bicycle Friendly University. Stanford's bicycle program accommodates an estimated 13,000 bikes on campus each day and has parking capacity for 19,000 bikes. Stanford added another bicycle safety repair stand on campus, bringing the total number up to eight. The Commute Club introduced new membership gifts, including monthly commute rewards for participation during its Spring Promotion. It also created a

	GUP Condition	Stanford Compliance
		Commute Advocates program and offered other new incentives to support retention of its more than 9,000 members and recruitment of new members. Membership in the Commute Club increased by 155 members over 2014-2015 levels. In 2016, Parking & Transportation Services redesigned its website to make it easier for commuters to access information and resources and to highlight sustainable transportation options and incentives. Stanford also offered a free parking promotion for carpools in 2015-16 to encourage carpooling and the use of its ridematching service. In June 2016, Stanforddecreased the price of the Go Pass for off-campus (commuting) graduate students and postdoctoral scholars, which enables eligible commuters to purchase a Go Pass for unlimited rides on Caltrain.
G.3.	Mitigation of transportation impacts from additional development and population growth.	The County hired an independent consultant, AECOM Engineering, to complete traffic studies. See Appendix D of this document for a summary of results.
G.4.	No net new commute trips.	Year 16 cordon counts were conducted in Spring 2016 and completed in Fall 2016. The average AM trip count was 3,170, which is a decrease of 149 vehicles below the baseline and 269 vehicles below the 90-percent confidence interval and 304 vehicles below the one-percent established trigger. The average PM trip count was 3,316, which is a 130 vehicles decrease over the baseline. This represents a decrease of 239 vehicles over the 90% confidence level. Stanford applied for a trip credit of 543 trips for the PM peak hour outbound traffic. With the application of the trip credits, the PM outbound traffic is 818 trips below the 1% established trigger. These peak hour counts were less than the trip limits established by the 2001 baseline counts with a 90% confidence level and 1% trigger once the trip credits were considered. Therefore, Stanford complied with GUP Condition G.6.
G.5.	Traffic counts cost.	Stanford submitted all requested funds in a timely manner.
G.6.	Baseline count established prior to construction of first new non-residential structure or by an alternative methodology determined to be more accurate.	Baseline cordon counts were completed during AR 1 and 2 reporting periods.
G.7.	Traffic counts and determination of traffic volume.	The traffic counts were conducted in Spring 2016 and completed in Fall 2016 by the County's traffic consultant, AECOM Engineering. As described in Appendix D of this report, the results of the 2016 counts were analyzed against the baseline counts previously collected, and were determined not to exceed the traffic limits threshold for the AM and PM

	GUP Condition	Stanford Compliance
		peak hour traffic, even without the application of any trip credits.
G.8.	Off-campus trip reduction.	During FY 16, Stanford applied for AM and PM trip credits for off-campus trip reduction. Stanford was also below the 2000 GUP EIR thresholds for vehicle counts.
G.9.	Monitor cordon count volumes.	A summary report of traffic monitoring is provided as Appendix D to this annual report.
G.10.	Neighborhood traffic studies.	No additional neighborhood traffic study requests have been received by the County Planning Office.
G.11.	Project-specific traffic studies.	No projects during the reporting period required project-specific traffic studies.
G.12.	Construction traffic management plan.	Stanford informed both its Public Safety Office and the University Fire Marshall's Office about site work and schedules for all construction projects that could affect emergency access. The University Fire Marshall's Office has regular coordination meetings with the Palo Alto Fire Department, where they update the Department on any emergency route changes. In addition, Stanford requires, through contract with the general contractors, that emergency vehicle access is always kept available through work areas. The Stanford Contracts office provides a general "Stanford Area truck routes map" to all general contractors and all the associated sub-contractors for the project at the time of contract release. The map also includes pedestrian zones, weight limits, service vehicle parking areas, and loading areas. In addition, Stanford provides copies of the map to contractors that come into the Parking and Transportation office to purchase Service Vehicle permits. This map and others are available on the web at http://transportation.stanford.edu/ . The County and Stanford continue to work towards consistent inclusion of a traffic management plan as part of the construction plan set available on site.
G.13.	Special event traffic management plan.	Compliance with this requirement was achieved during the AR 3 reporting period.
G.14.	Junipero Serra Boulevard/ Stanford Avenue traffic group.	The full JSB/Stanford Avenue Multi-Jurisdictional Group did not meet during the reporting period; however, an ad hoc working group including Stanford, the SCRL and County Roads and Airports (CR&A) met on several occasions regarding the JSB traffic calming project. In June 2010, County Supervisor Liz Kniss announced that the County Board of Supervisors had approved \$1.5M in funding to complete the project. CR&A awarded a design contract in March 2011. Construction documents (30% stage) were

	GUP Condition	Stanford Compliance
		issued in August 2011. A draft Initial Study was issued for public review in November 2011. A final CEQA document was adopted in March 2012. CR&A anticipated starting construction in spring of 2012. However, due to permitting constraints from the Regional Water Quality Control Board delayed the approval process. Stanford presented a conceptual redesign to CR&A in the Spring of 2015 that could eliminate the permitting constraints. Stanford conducted neighborhood outreach to share the concept with SCRL representatives. The conceptual design was reviewed for engineering feasibility by CR&A in summer 2015. In summer 2016, a CEQA Addendum was completed for the redesign. Final engineering drawings have been prepared and the County is working to identify funding to construct the project.
H.	Parking	
H.1.	Net additional parking spaces shall not exceed 2,300 spaces, with the exception of parking provided for any housing in excess of 3,018 units.	During the reporting period, changes in parking resulted in a net increase of 11 parking spaces on the campus for a total cumulative decrease since September 1, 2000 of 1,239 spaces. Changes in parking occurred in the West Campus, Lagunita, Campus Center, Quarry, Arboretum, DAPER & Administrative, East Campus, and San Juan Development Districts. See Section II, Table 4, and Appendix C-3 for details.
H.2.	Residential Parking Permit Program.	Stanford paid the City of Palo Alto \$100,000 towards the development of a Residential Parking Permit Program. Stanford is in compliance with Condition H.2.
		The City of Palo Alto conducted a College Terrace Parking Permit Program experiment in 2008 and 2009 and subsequently adopted a permanent program in late 2009. The program includes continued monitoring of the parking patterns in the neighborhood.
I.	Parks and Recreation Facilities	
I.1.	Improve parks in the San Juan faculty/staff residential area.	At the April 8, 2004 ASA meeting, the ASA Committee accepted the <i>Stanford University Program</i> for the Replacement of Recreational Facilities in the San Juan District. Stanford has complied with the requirement to submit the plan, and future compliance will be required through implementation of the plan, if triggered by infill development.
I.2.a.	In consultation with the County Parks and Recreation Department, identify and complete Trail Easements within one year of GUP approval.	Stanford entered into an agreement with the County on January 3, 2006, to construct the S1 trail in Santa Clara County and to make offers to Los Altos Hills for the funding of a trail extension through that town and to the Town of Portola Valley and San Mateo County for improvements to the C1/E12 Alpine Trail.

GUP Condition	Stanford Compliance
	Construction of S1 Trail: Construction of the off-road portions of the S1 trail was completed in May 2011. Santa Clara County accepted the trail easement and the trail opened in May 20, 2011. All aspects of the S1/ Matadero Trail in unincorporated Santa Clara County including trail construction, associated roadway improvements, and dedication of easements are complete.
	Construction of C1/E12 Trail: Stanford's proposal for the design and funding of the C1/E12 Alpine Trial (segment in Portola Valley) improvements was accepted by the Town of Portola Valley in 2009. All aspects of the C1/E12 Alpine Trial in Portola Valley including trail construction, associated roadway improvements, and dedication of easements are complete.
	Construction of C2/Arastradero Trail: Construction and trail improvements were completed and the trail was dedicated on November 1, 2013. The trail links the S1/Matadero Trail (at the Arastradero Road and Purissima Road intersection) to the Pearson-Arastradero Preserve.
	Construction of Stanford Perimeter Trail: San Mateo County and Stanford did not reach agreement for the San Mateo C1 segment and in February 2012, Stanford paid the County approximately \$10.3 million. In August 2012, the County issued a request for applications for projects that would serve as alternative mitigation measures to address the loss of recreational facilities on the Stanford campus. The County received 15 project applications from six local agencies. The Board of Supervisors declared its intent to fund six of the 15 projects, including \$4.5 million back to Stanford to construct a perimeter trail along El Camino Real and Stanford Avenue frontages. The Board also directed County Administration to negotiate projects agreements for the selected projects and submit approval to the Board consistent with the requirements of CEQA.
	Stanford proposed a 3.4 mile Stanford Perimeter Trail along Junipero Serra Boulevard, Stanford Avenue, and El Camino Real. The Trail was approved in December 2014. Work on the Trail began Spring 2015. The Trail was completed without County funding, and open to the public in April 2016.

	GUP Condition	Stanford Compliance
I.2.b.	Work with County Parks and Recreation Department to identify responsibilities for trail construction, management and maintenance.	Identification of trail construction, management, and maintenance responsibilities had begun previously, based on Stanford's 2001 proposal (see Condition I.2.a above and "Overview of Monitoring Activities"). A trail management plan for S1 was accepted by Santa Clara County, along with the easement, in May 2011.
J.	California Tiger Salamander (CTS)	
J.1.	Habitat protection easements for protection of the CTS.	Condition superseded by Stanford's Habitat Conservation Plan (see Condition J.9).
J.2.	Specifics of habitat protection easements.	Condition superseded by Stanford's Habitat Conservation Plan (see Condition J.9).
J.3.	Creation of breeding ponds for CTS prior to issuance of a building permit for a proposed building project on occupied CTS habitat.	Condition superseded by Stanford's Habitat Conservation Plan (see Condition J.9).
J.4.	CTS monitoring.	Condition superseded by Stanford's Habitat Conservation Plan (see Condition J.9).
J.5.	Project specific measures in CTS Management Zone.	Condition superseded by Stanford's Habitat Conservation Plan (see Condition J.9).
J.6.	Operational measures required within the CTS Management Zone.	Condition superseded by Stanford's Habitat Conservation Plan (see Condition J.9).
J.7.	Continued compliance with 1998 CTS Management Agreement.	Condition superseded by Stanford's Habitat Conservation Plan (see Condition J.9).
J.8.	CTS passage ways across Junipero Serra Boulevard.	Condition superseded by Stanford's Habitat Conservation Plan (see Condition J.9).
J.9.	U.S. Fish and Wildlife Service permit prior to construction on occupied CTS habitat if CTS is listed as threatened or endangered.	The final Stanford University Habitat Conservation Plan (HCP) and Final Environmental Impact Statement (EIS) were published on November 23, 2012, and revised in March 2013. On August 13, 2013, the County Board of Supervisors acknowledged the determination that the HCP provides equal habitat value and protection for the California Tiger Salamander (CTS). Therefore, the HCP supersedes all conditions in the GUP that address the CTS, as stated in Condition J.9.
K.	Biological Resources	
K.1.	Special-status plant surveys.	No special species plant surveys were done during this reporting period.

	GUP Condition	Stanford Compliance
K.2.	Preconstruction surveys for breeding raptors and migratory birds.	The County hired Environmental Science Associates to complete 13 surveys for breeding raptors and migratory birds potentially affected by Stanford projects.
K.3.	Oak woodland habitat – create or restore at a 1.5:1 ratio for proposed building projects located in oak woodland area.	No projects were proposed within oak woodland habitat, as mapped in the 2000 EIR, during this reporting period.
K.4.	Tree preservation for proposed building projects affected by protected trees.	All projects were conditioned to protect existing trees during construction. Stanford proposed appropriate mitigation for the loss of protected trees greater than 12 inches diameter at breast height (dbh) in the ASA applications for all projects.
K.5.	Stanford to hire biological consultant to prepare wetlands description.	Compliance with this requirement was achieved during the AR 3 reporting period. Subsequent wetland delineations are conducted in compliance with Army Corps of Engineers guidelines.
K.6.	Updates to CA Natural Diversity Database.	Stanford submitted CNDDB sheets to the State in the following years: May 2003 – California tiger salamander (three seasons of data) and California red-legged frog (four years of data) Dec 2014 - California tiger salamander (6 seasons of data) and California red-legged frog (12 years of data) Dec 2015 - California tiger salamander (1 season of data) and California red-legged frog (1 year of data)
K.7.	Special conservation area plan.	Stanford submitted a "Conservation Program and Management Guidelines for the Special Conservation Areas" to the County on December 11, 2001. The County waited for the Stanford HCP to be approved and adopted before directing Stanford with specific requirements for modification and resubmittal. The Stanford HCP was approved on August 13, 2013 (see Condition J.9). Stanford submitted and the County accepted a revised Special Conservation Area Plan in August 2015, fulfilling Condition K.7.
L.	Visual Resources	
L.1.	Streetscape design for El Camino Real prior to or in connection with submitting an application for development along El Camino Real.	During AR 8, Stanford completed and submitted a draft <i>Plan For The El Camino Real Frontage</i> , approved by the County of Santa Clara Architectural and Site Approval Committee on April 10, 2008. Stanford is in compliance with Condition L.1.
L.2.	Minimum 25-foot building setback from Stanford Avenue.	No building projects were proposed on Stanford Avenue during the reporting period.
L.3.	Lighting plan for development projects that include exterior light sources.	Project-specific lighting plans were submitted with ASA applications during the reporting period.

	GUP Condition	Stanford Compliance
L.4.	Development locations in the Lathrop Development District.	No development was proposed in the Lathrop District.
M.	Hazardous Materials	
M.1.	Hazardous materials information/Risk Management Plan for each proposed building project.	Hazardous materials information was provided in the ASA applications for all projects proposed or approved during the reporting period. No projects were proposed or approved during the reporting period that triggers the California Accidental Release Prevention (CAL-ARP) law.
M.2.	Maintenance of programs for storage, handling, and disposal of hazardous materials.	University Dept. of Environmental, Health and Safety (EH&S) continues to provide key resources in the planning, development, and implementation of effective environmental and health and safety training programs. Where appropriate and possible, EH&S provides in-house training programs that enable University managers and supervisors to deliver health and safety training directly to their staff. Schools, Departments and Principal Investigators provide other levels of training throughout the University. During this reporting period, EH&S maintained a training catalog that included 94 separate training courses. Stanford staff, faculty, and students through both online and classroom sessions completed a total of 27,701 trainings. Stanford also extends its training efforts by providing training and information resources on the World Wide Web at http://ehs.stanford.edu.
		Surveys of campus and medical center labs, shops and studios are conducted on a routine basis to provide compliance assistance regarding hazardous materials, hazardous waste, fire safety, biological safety and chemical safety requirements. Personnel conducting the surveys often work one-on-one with personnel in labs, shops and studios to help them understand pertinent compliance requirements. Hazardous Materials Management Plans for existing buildings storing hazardous materials are submitted annually to the Santa Clara County Environmental
		Health Hazardous Materials Compliance Division as online updates via the Cal/EPA California Environmental Reporting System Portal. To facilitate hazardous materials tracking and reporting, Stanford has implemented an on-line chemical inventory database system whereby authenticated chemical users may maintain their hazardous materials inventories, supporting timely and accurate submission of required regulatory reports. The University Committee on Health and Safety meet five times during the reporting period. The committee

	GUP Condition	Stanford Compliance
		membership includes a member from the public as well as faculty, staff and students. Issues considered by the committee included environmental, health and safety activities, and initiatives conducted at the SLAC National Accelerator Laboratory.
		The EH&S Department reviews each set of plans for new structures and those for renovation and/or remodeling of existing structures to help ensure that the risks associated with activities conducted in Stanford's buildings are addressed, and that all facilities projects are undertaken in compliance with applicable environmental and health and safety laws, codes, and regulations. EH&S also conducts Environmental and/or Human Health Risk Assessments for new projects as required by the Bay Area Air Quality Management District and as appropriate as part of the building planning process.
		EH&S personnel specifically responsible for handling hazardous wastes and for emergency response are trained by certified independent professionals and by professional EH&S staff in accordance with all applicable regulations. The operational waste personnel are augmented and assisted by professional environmental engineers, chemists, and environmental managers.
		As a part of waste minimization activities, EH&S operates a Surplus Chemical redistribution program, which reduces the disposal of unused chemicals, therefore reducing the amount of hazardous waste generated, and the costs of disposal. Redistribution volumes are dependent on department and laboratory changes, which can vary annually. In FY 2016, EH&S redistributed 44 unneeded chemical containers from laboratory inventories to other campus users.
N.	Geology and Hydrology	
N.1.	Compliance with all requirements of the Uniform Building Code, County Geologist, County Building Inspection Office, Stock Farm Monocline Agreement, and others defined under the GUP in regard to reduction of seismic risk.	Stanford is in compliance with Condition N.1 requirements. These are reviewed through the ASA applications submitted, and building and grading permits issued during the reporting period. See Section II of this report for project details.
N.2.	Hydrology and drainage study.	The Storm Water Detention Master Plan for the Matadero Creek watershed was submitted by Stanford and accepted by the County during the Annual Report 4 reporting period. Stanford is responsible for implementing phased measures consistent with the plan prior to development of new impervious cover within the watershed.

	GUP Condition	Stanford Compliance		
		Regarding storm drainage and flood control, Stanford and the County reached agreement on the approach and engineering design criteria for detention provisions to avoid increases in peak runoff flow rate from the campus in the San Francisquito Creek watershed. Stanford continued with implementation of its storm drainage master plan for both detention and protection of campus facilities, engineering the remaining barriers to divert overland flows away from structures to streets and malls, and Phase 1 and II of the West Campus detention basins. With these improvements and the detention basins constructed previously in the Matadero watershed, Stanford has mitigated anticipated runoff from a substantial portion of its future development under the 2000 GUP in compliance with Conditions N.2 and N.3.		
N.3.	Storm water management facilities designed to only store storm water runoff temporarily and not create extended ponding.	The Serra/El Camino Real (ECR) and the West Campus Storm Water Detention Facilities projects are designed to accommodate increases in the 10-year and 100-year storm runoff associated with 2000 GUP development in the Matadero and San Francisquito Creek watersheds respectively. These projects are designed to drain within a couple of days, thereby avoiding extended ponding. An initial phase of this plan was implemented when the Stock Farm/Sand Hill Road Detention Basins were completed during the AR 4 reporting period. Phase II of the West Campus Detention Basins was completed during FY 16.		
N.4.	Groundwater recharge study in conjunction with projects located in unconfined zone.	Stanford has prepared and submitted a draft campuswide groundwater recharge plan that describes the groundwater recharge mitigation approach in coordination with the Santa Clara Valley Water District and the County. This plan accounts for water from Stanford's Lake Water system that is directed to Lagunita (where it percolates) in an amount that exceeds the cumulative groundwater recharge lost from projects built in the unconfined zone. Stanford and County staff finalized this plan on May 27, 2015. The annual groundwater recharge mitigation monitoring report has been submitted to the County for tracking purposes.		
N.5.	Review and approval for storm water/groundwater recharge facilities.	The ASA and grading or building permit-approved projects during the 15th annual reporting period are anticipated to result in new impervious surface area in the Matadero Creek and San Francisquito Creek watersheds. The cumulative increase of impervious surfaces on campus has been mitigated by the Serra/ECR detention basins and West Campus detention basins Phase I and II (completed during FY		

Stanford Compliance
4 and FY 16 respectively), to avoid impacts with respect to reduced groundwater recharge. Stanford and the County track the cumulative increase in impervious surface against the amount that can be mitigated by the constructed basins.
mitigated by the constructed basins. Stanford submitted a Notice of Intent (NOI) to join the State of California General Storm Water Construction Permit on June 29, 2001. Stanford received acceptance on July 10, 2001. An updated NOI was submitted to the State Water Resource Control Board as well as to the San Francisco Regional Water Quality Control Board in accordance with the NPDES General Permit on July 16, 2009. On September 2, 2009 the State Water Resources Control Board adopted a new construction permit for all construction projects over 1 acre. Due to reporting and sampling requirements listed in the new State permit, Stanford has been applying for permit coverage on a project-by-project basis for all new construction over 1 acre. All projects listed below were either terminated or started from the period September 1, 2015 through August 31, 2016 and can be viewed via the State Board's SMART system located at http://smarts.waterboards.ca.gov/smarts/faces/SwSmartsLogin.jsp . Projects terminated from September 1, 2015 – August 31, 2016: 3235 SESI Piping Distribution Storage, WDID # 2 41C363957 McMurtry Art and Art History Building, WDID # 2 43C371172 Meyer Library, WDID # 2 43C371265 Manzanita Park Residence Hall, WDID # 2 43C368567 Siebel Golf, WDID # 2 43C371175 Stanford University 10th Tee, WDID # 2 43C372346 West Campus Detention Basin, WDID # 2 43C373056
August 31, 2016: • 408 Panama, WDID # 2 43C370010 • Parking Structure 10 & Roble Gym, WDID # 2 43C370396 • Graduate School of Business New Residence, WDID # 2 43C370238

	GUP Condition	Stanford Compliance
		 New Residences at Lagunita Court, WDID # 2 43C371164 Old Chemistry Building, WDID # 2 43C371587 Golf Learning Center, WDID # 2 43C372512 Cogen Plant Demo, WDID # 2 43C372589 Hoover Conference Center & Office Building, WDID # 2 43C373618 Lomita and Roth Parking Lot and Lomita Road, WDID # 2 43C375562 Deer Creek Staging Area, WDID # 2 43C374351 Stanford Regional Loading Dock Expansion, WDID # 2 43C375190
]	Monitor effectiveness of storm water pollution prevention best management practices; monitor at construction sites before and during storm events occurring during construction period.	Each construction site under the 2000 GUP that disturbs one acre or more is permitted through the General Permit for Discharges of Storm Water Runoff Associated with Construction Activity. The information submitted as part of the permit will be updated yearly to reflect the current construction projects. In accordance with that permit, the sites are required to have a Storm Water Pollution Prevention Plan (SWPPP). Each SWPPP outlines the Best Management Practices for preventing storm water pollution on that specific site. To ensure that the BMPs are working and in place, each construction project is required to monitor the construction site and BMPs before, during, and after rain events or weekly, whichever is more frequent. The project is required to maintain inspection logs on site, documenting the monitoring program. Stanford storm water staff visits the sites at least once per month to ensure compliance with BMPs and monitoring. In addition, Stanford is required to send an Annual Compliance Status Report to the State Water Resources Control Board, certifying compliance with the provisions of the General Permit for Discharges of Storm Water Runoff Associated with Construction Activity, including BMPs and monitoring.
1	Surveys to determine presence and location of wells prior to issuance of any building permit or grading permit.	Stanford performed surveys to identify existing wells on building sites with ASA applications as required.
]	Permit from Santa Clara Valley Water District for any proposed construction, demolition, grading, landscaping within 50-feet of the top of the bank.	In 2007, SCVWD adopted an approach to defer to local permitting agencies for work conducted in creeks, and no longer require SCVWD permits.

	GUP Condition	Stanford Compliance
N.10	No new land use or practices within the unconfined zone that could pose a threat to the groundwater quality or supply.	In 2009, Stanford mailed an informative pamphlet to all residential leaseholders whose property is located within the unconfined zone. This pamphlet contains valuable information regarding the sensitive nature of these properties with respect to the potential for downward migration of contaminants to groundwater. The pamphlet also provides "Best Management Practices" regarding proper application of landscape chemicals, notifying Stanford of abandoned wells and fuel tanks, and safe management of household chemicals and hazardous waste. Stanford also mailed this pamphlet to all other residential leaseholders that are not located within the unconfined zone as a part of continuing outreach.
0.	Cultural Resources	
0.1.	Assessment of structure with potential historic significance for building projects that involve the demolition of a structure 50 years or older.	The County assessed the historical significance of the Campus Gas Station prior to demolition. The historical significance of Herrin Hall and Herrin Labs was also assessed. These buildings will be demolished when the Bass Biology Building is completed and occupied. As part of the proposed Escondido Village Graduate residences project (not yet approved as of August 31, 2016), buildings proposed for demolition in Escondido Village were assessed as well for historical significance.
O.2.	Requirements for remodeling, alteration, or physical effect on structures that are 50 years old or more.	Three renovation projects that received ASA or ASX were assessed because they were proposed to remodel or alter structures that are more than 50 years old. These renovation projects included the La Maison Francaise, 717 Dolores, and Kingscote Gardens.
0.3.	Archaeological resources map.	The Stanford archaeologist provided draft maps to the County Planning Office in March 2001 and a revision in 2014. These maps show the locations of all known prehistoric and historic archaeological resources in the unincorporated Santa Clara County portion of Stanford land. County and Stanford staffs will continue to work on revision and updates to these maps so they can be utilized by County staff to identify all known cultural resource site boundaries on Stanford land within the County's jurisdiction. All maps and updates will be maintained as confidential records.
O.4.	Required actions if fossilized shell or bone is uncovered during earth-disturbing activities.	No fossilized shell or bone was uncovered during 2000 GUP construction activities.

	GUP Condition	Stanford Compliance		
P.	Public Services and Utilities			
P.1.	Law Enforcement Agreement.	"Memorandum of Understanding Regarding Police Services Between Santa Clara County and Stanford University" was signed February 6, 2001, and signed again in May and June of 2007		
		Per the GUP Condition, Stanford is providing funding for the Stanford Police Department to maintain 32 full-time sworn police officers (one officer per 1,000 daytime population). There was no decrease in the level of police services during the reporting period.		
P.2.	Funding of Fire Protection Services.	The City of Palo Alto assesses the city's fire protection needs on an annual basis and adopts a yearly budget for fire protection services. As part of this process, the City identifies Stanford's share of this budget, and Stanford pays its annual allotment. Stanford is currently in discussion with City of Palo Alto regarding future funding for fire protection services.		
P.3.	Fire protection response times.	The Palo Alto Fire Department notified the County in May 2015 that it has experienced lengthened response times as a result of campus construction. Per Condition P.3 Stanford is investigating whether alternate routes would address the Fire Department's concerns. To date the Palo Alto Fire Department has not indicated that the increased response times are unacceptable. Stanford is currently corresponding with Fire Station 6 regarding construction roadway changes.		
P.4.	Water conservation and recycling master plan.	Stanford has performed effective conservation outreach and education, as evidenced by County staff discussions with campus facility managers. Stanford also has undertaken numerous water conservation projects, including installation of water misers, toilet retrofits, low flow jet spray nozzles, and Maxicom controls. The County continues to monitor Stanford implementation of the approved master plan as a measure of compliance with this condition. The County consults with the SCVWD to determine compliance. The SCVWD assessment is that Stanford appears to be implementing aggressive water conservation measures. The University has completed the plan and it was approved.		
P.5.	Annual daily average water use.	The allowed average daily water allocation from the San Francisco Water Department is 3.033 million gallons per day (mgd). Stanford's average campus domestic water use for the 2015-16 year was 1.39 mgd.		
P.6.	Information on wastewater capacity and generation.	Stanford submitted project-specific wastewater capacity information as necessary with ASA application materials.		

	GUP Condition	Stanford Compliance
P.7.	Palo Alto Unified School District school impact fees.	Stanford paid school impact fees for all applicable building permits.
P.8.	Community Services Study.	No study was required during this reporting year.
Q.	Air Quality	
Q.1.	Compliance with Bay Area Air Quality Management District (BAAQMD) measures for construction activities.	Grading activities associated with 2000 GUP projects that commenced during the reporting period complied with the BAAQMD control measures incorporated into the ASA conditions of approval.
Q.2.	Maintenance of equipment for construction activities.	Stanford requires all construction contractors to properly maintain equipment.
Q.3.	Conduct a risk screening analysis and obtain BAAQMD permit for building projects containing more than 25,000 square feet of laboratory space and 50 fume hoods. ¹	All approved projects were required to comply with BAAQMD's permitting, control measures, and recommendations, as appropriate. The ChEM-H & SNI project crossed the 25,000 square feet of laboratory space and 50 fume hoods threshold. The risk screening analysis and BAAQMD permit is typically conducted and obtained for projects nearing construction completion. Stanford is working on these items and will likely obtain the BAAQMD permit in 2018.
R.	Noise	
R.1.a-e	Compliance with County Noise Ordinance during construction activities of each building project.	Construction activities associated with 2000 GUP projects complied with the County Noise Ordinance and incorporated noise reduction measures as required by ASA conditions of approval.
R.2.	Limits on construction hours.	Construction activities associated with 2000 GUP projects were limited to construction hours as specified by the County Noise Ordinance.
R.3.	Operational noise reduction measures.	ASA-approved building projects incorporated all county-specified noise reduction measures (listed in Section D of the MMRP) and complied with the County Noise Ordinance.
R.4.	Limits on fireworks displays.	Two fireworks events per calendar year are permitted under the GUP. Other fireworks events require an entertainment event license from the Planning Office. From September 1, 2015 through August 31, 2016, all fireworks events received separate permits. Therefore, none of the pre-approved permits for fireworks events under the GUP were used.
R.5.	Maintenance of hotline for noise complaints.	Stanford continues to meet the GUP condition by operating the noise hotline at (650) 724-4900, which is intended to log complaints related to outdoor special events and high impact events on campus. However,

_

¹ Note: Q.3 has been confirmed to match BAAQMD regulations, which requires both triggers in order to do risk screening.

	GUP Condition	Stanford Compliance		
		Stanford has experienced the use of this hotline to record concerns about noise disruptions and complaints on campus, effectively capturing day-to-day noise issues that would typically go to Public Safety's non-emergency line or to 911. Callers to the hotline are given the option to connect to Stanford Public Safety dispatch at (650) 329-2413 for timely action regarding the complaint, or the caller can log a noise complaint with the operator.		
		Out of the 49 noise complaints received during the AR 16 reporting period to the noise hotline, 42 complaints were from campus residents about noises within residential areas on-campus, such as party noise and loud music. Four complaints were regarding special events noise disruptions from high-impact events as defined by the GUP Condition.		
		Stanford continues to work with different types of residential communities to maintain acceptable levels of noise and strengthen communications between campus community members.		
S.	Additional Conditions			
S.1.	Acceptance of Conditions of Approval.	See Annual Report 1.		

Completed building projects under the GUP cap, housing projects, parking, non-GUP building projects and grading projects are tracked in Appendix C. A map and table are provided for each category to illustrate the project, its location, its square footage/housing units/parking spaces counted toward the GUP cap, and in which annual report period the project was completed. Each table provides a cumulative total of square footage, housing, or parking to date. A table also provides a cumulative total of non-GUP building projects. Additional backup data is kept on file by Stanford and the County.

Section II of this annual report provides brief descriptions of each project on which there was activity during the current reporting year. Projects listed in Appendix C that were completed in prior years are not reported in the body of the Annual Report. Detailed information on these projects may be found in previous Annual Reports.

Fiscal Year	Map No.*	Project	Built Area (sq. ft.)	Net Addition to GUP Building Cap
Annual Report 1				
(2000-01)	N/A	None	N/A	0
	1	Student Services	20,000	
Annual Danart 2		Demo Bridge Building	(-2,752)	
Annual Report 2 (2001-02)		Band Trailer	4,320	22,790
(2001-02)		Demo existing Band Trailer	(-2,160)	
		Rugby Pavilion	3,382	
	2	Carnegie Global Ecology Center	18,164	
		Demolish Carnegie Greenhouses	(-6,161)	
Annual Report 3	3	Lucas Center Expansion	20,600	
(2002-03)		Electronics Communications Hub-West	1,500	32,023
(2002-03)		Demolition of Ortho Modular	(-2,080)	
		SoM Trailer Replacement	0	
		Galvez Modular Re-Permit	0	
Annual Danant 4	4	Maples Pavilion Addition	18,298	
Annual Report 4		Demolish Maples Ticket Booth	(-179)	92,915
(2003-2004)	5	Arrillaga Family Recreation Center	74,796	
. 1D	6	Varian 2	63,869	
Annual Report 5		Building 500	3,254	39,763
(2004-2005)		Wilbur Modular Ext.	(-27,360)	
	7	Environment and Energy Building	164,087	
		GP-B Modular Demolition	(-8,640)	
		Varian 2 (gsf adjustment from AR 5)	8,305	
	8	HEPL Demolition	(-71,425)	
		Engineering Shed	(-929)	
		Galvez Too	(-4,320)	
	9	Football Stadium Renovations	33,050	
Annual Report 6		Munger House Relocations	906	
(2005-2006)		Avery Aquatic	1,445	116,237
()		Band Trailer	(-4,320)	
		Guard Shelter	42	
		579 Alvarado (Humanities Annex)	(-3,258)	
		Barnum Family Center	2,337	
		Brick Barn	4,690	
		Knoll Trailer A	(-2,912)	
		Knoll Trailer B	(-2,821)	
Annual Report 7 (2006-2007)		None	N/A	0
(2000 2007)	10	Lorry I. Lokey Stem Cell Research Building (SIM 1)	198,734	
Annual Report 8	11	Li Ka Shing Center for Learning and Knowledge (LKSC)	104,000	
(2007-2008)		Demolish Fairchild Auditorium	(14,600)	323,264
()		Demolish Welch Road Modulars	(4,030)	525,20 1
	12	Center for Nanoscale Science and Technology	99,297	

Fiscal Year	Map No.*	Project	Built Area (sq. ft.)	Net Addition to GUP Building Cap
riscai i cai	110.	Demolish Ginzton	(69 ,714)	Сар
		Demonsii Ginzton	(0),/11)	
	13	Jen-Hsun Huang School of Engineering Center	125,639	
Annual Report 8		Demolish Terman Engineering	(148,818)	
(2007-2008)		Lorry I. Lokey (Stanford Daily) Building	4,783	
continued		Demolish Storke Building	(9,040)	
		Li Ka Shing Center for Learning and Knowledge - Connective Elements	5,890	
		Peterson Building Renovation	(661)	
	14	John A. and Cynthia Fry Gunn SIEPR Building	31,784	
	15	Knight Management Center	331,093	
		Demolish GSB South	(167,371)	
		Demolish Serra Complex	(84,000)	
		Demolish Kresge Auditorium	(13,042)	
		Cobb Track Bleacher addition	3,950	
Annual Report 9		Arrillaga Gymnasium and Weight Room	19,951	
(2008-2009)		Site 515 Demolition	(1,540)	72,776
		Volkswagen Automotive Innovation Lab	8,000	
		Oak Road Restrooms	499	
		Golf Practice Storage Trailer	432	
		Cubberley Seismic Project	(3,654)	
		Press Building Demolition	(14,303)	
		Recalculation of gsf with Annual Reports 1 through 8	(7,239)	
Annual Report	16	Neukom Building	61,014	
10	17	Bing Concert Hall	78,350	126,676
(2009-2010)		DAPER Corps Yard Demolition	(12,688)	
Annual Report		Braun Music Center	167	
11		Bing Concert Hall adjustment	7,185	174,723
(2010-2011)	18	Retention of GSB South	167,371	
	19	Arrillaga Outdoor Education and Recreation Center	75,000	
Annual Report	20	Bioengineering and Chemical Engineering	196,172	
12	21	Satellite Research Animal Facility	20,507	223,725
(2011-2012)		Anatomy demolition	(66,579)	
		Cagan Soccer locker rooms	3,345	
		Cypress Annex demolition	(960)	
		Quonset Hut demolition	(3,760)	
		Ford Center Addition (from AR 8)	8,710	
Annual Report	22	Arrillaga Family Sports Center Addition	27,709	
13	23	Anderson Collection at Stanford	30,279	165,092
(2012-2013)	24	Replacement Central Energy Facility	14,715	
		Grounds trailer demolition	(722)	

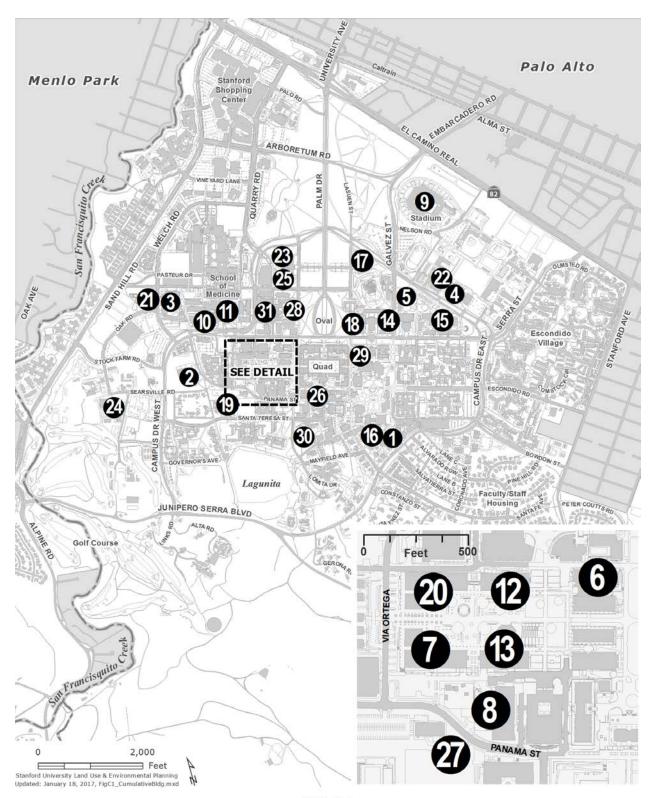
Fiscal Year	Map No.*	Project	Built Area (sq. ft.)	Net Addition to GUP Building Cap
	25	McMurtry Art - Art History	84,239	
		New Field Hockey Bleachers	2,397	
		Windhover Contemplative Center	3,928	
		Encina Modular Demolition	(8,400)	
		520/524 Renovation	2,237	
		Northwest Data Center and		
		Communications Hub	3,130	
Annual Report	26	408 Panama Mall	56,790	
14		Educational Farm	864	52,735
(2013-2014)		Roble Gym Renovation	544	
		Field Conservation Facility	2,842	
	27	Demolition of Godzilla Trailer	(11,435)	
	28	Science Teaching & Learning Center – Old Chem	68,151	
		Sunken Diamond New Entry/Locker		
		Room Expansion	3,410	
		Cagan Soccer Field Bleacher Lockers	2,658	
		Maples Pavilion Addition	1,135	
Ammuel Demont		Softball Field House	2,618	
Annual Report 15		Football Stadium New Locker Room	8,966	(45,179)
(2014-2015)		Siebel Varsity Golf Training Complex	3,431	(43,179)
(2014-2013)		Demolish golf storage trailer	(432)	
		Demolition of old Field Conservation Facility	(2,821)	
		Meyer Library Demolition	(124,710)	
		Lasuen Restrooms	1,023	
		Demolition of Central Energy Facility	(8,715)	
		Hogan Lab Renovation Project	107	
	29	David and Joan Traitel Building, Hoover Institution	50,340	
		Demolition of Cummings Art Building	(51,024)	
		Demolition of HEPL Powerhouse	(3,684)	
		Regional Loading Dock Expansion	(3,004)	
Annual Report		(loading dock and café)	2,284	
Aiiiuai Keport 16		Demolition of Stauffer III	(19,611)	5,010
(2015-2016)		Demolition of Gazebo II	(1,017)	5,010
(2013-2010)		Earth Sciences Courtyard Infill	2,586	
	30	Kingscote Gardens Renovation	20,298	
	31	Bass Biology Building	120,337	
		Demolition of Herrin Hall	(35,944)	
		Demolition of Herrin Labs	(78,047)	
		Demolition of Campus Gas Station	(1,508)	
Cumulative Net Co	ontribution	toward 2000 GUP Building Cap:		1,402,550

				Net Addition to
	Map		Built Area	GUP Building
Fiscal Year	No.*	Project	(sq. ft.)	Cap

^{1.} Projects included at the time of building permit issuance.

^{2.} Cumulative total includes the adjusted results from the recalculations for buildings and demolitions from previous annual reports under the 2000 GUP. Specific adjustments are not reflected in this table at this time.

^{*}Map C-1 illustrates the locations of building projects 10,000 sq. ft. or greater. Projects smaller than 10,000 sq. ft. are not shown on Map C-



MAP C-1 CUMULATIVE BUILDING PROJECTS THAT AFFECT BUILDING AREA CAP (GREATER THAN 10,000GSF)

KEY TO MAP C-2 ANNUAL REPORT 1 THROUGH ANNUAL REPORT 16 CUMULATIVE HOUSING PROJECTS

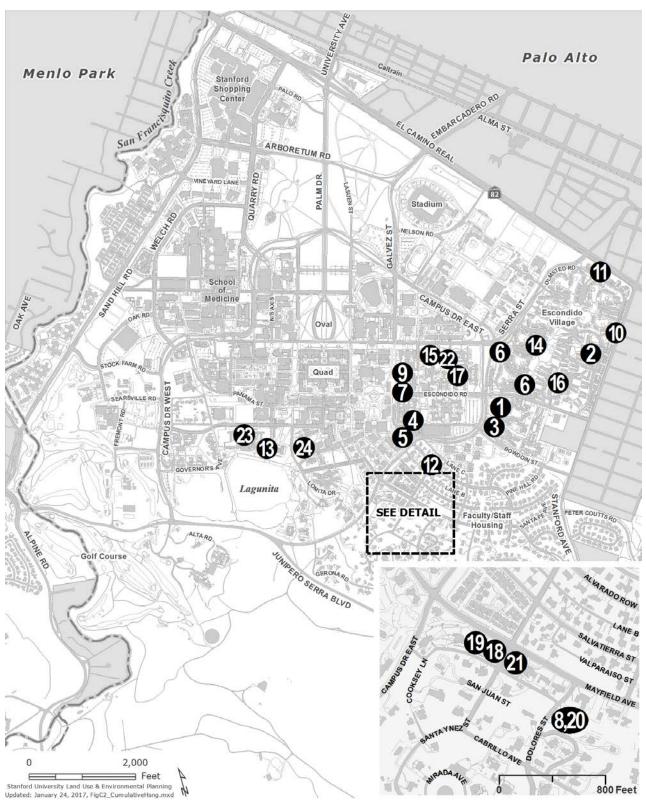
Fiscal Year	Map No.*	Project	Housing Units	Square Footage	Annual Units	RHNA Units
Annual Report 1 (2000-01)	1	Mirrielees – Phase I	102	0	102	
Annual Report 2 (2001-02)	2	Escondido Village Studios 5 & 6	281	139,258	331	281
	3	Mirrielees – Phase II	50	0		
		Branner Student Housing Kitchen	0	1,596		
Annual Report 3 (2002-03)	N/A	None	N/A	N/A	0	
Annual Report 4 (2003-04)	N/A	None	N/A	N/A	0	
Annual Report 5 (2004-05)	N/A	None	N/A	N/A	0	
Annual Report 6 (2005-2006)		Drell House (conversion to academic)	-1	(-906)	(-8)	-1
		579 Alvarado	1	3,258		1
	4	Casa Zapata RF Unit Replacement	-8	(-691)		1
Annual Report 7 (2006-2007)		None	N/A	N/A	0	
Annual Report 8 (2007-2008)	5	Munger Graduate Housing	349	267,6831	349	209
Annual Report 9 (2008-2009) Annual Report 10 (2009-2010)	5	Munger Graduate Housing	251	192,517 ¹	70	147
		Schwab Dining Storage	N/A	464		
	6	Blackwelder/Quillen Dorms	130	N/A		
	7	Crothers Renovation	133	N/A		
	8	717 Dolores	4	0		
	10	Crothers Olmsted Terrace Faculty Housing	39	0 103,127		39
	11	Olmsted Staff Rental Housing	25	53,831		25
		Arrillaga Family Dining Commons	N/A	28,260		
Annual Report 11 (2010-2011)	6	Quillen Dorm Phase 2	90	N/A	90	
Annual Report 12	12	Hammarskjold renovation	7	1,730	9	
		Haus Mitt renovation	1	210		
(2011-2012)		Phi Sigma renovation	1	420		
Annual Report 13 (2012-2013)		Grove House Renovation	N/A	500	427	
		Columbae Renovation	N/A	950		
		Slavianskii Dom Renovation	N/A	961		<u> </u>

KEY TO MAP C-2 ANNUAL REPORT 1 THROUGH ANNUAL REPORT 16 CUMULATIVE HOUSING PROJECTS

Fiscal Year	Map No.*	Project	Housing Units	Square Footage	Annual Units	RHNA Units
		Muwekma-Tah-Ruk Renovation	N/A	450		
	13	Ujamaa	2	N/A		
	14	McFarland	63	N/A		
		EV summer renovation	(2)	N/A		
	15	Toyonito Demolition	N/A	(13,298)		
	16	Comstock graduate housing demolition	(74)	(30,547)		(40)
	16	Comstock Graduate Housing	438	256,258		274
Annual Report 14 (2013-2014)		Mars Renovation	1	273	2	
		Sigma Nu Renovation	N/A	628		
		Roth Renovation	1	508		
		Durand Renovation	N/A	675		
Annual Report 15 (2014-2015)	17	Manzanita Park Residence Hall	129	41,805	133	4
	18	Phi Kappa Psi	2	505		
	19	Kairos	2	979		
Annual Report 16 (2015-2016)	20	717 Dolores	2	928	385	
	21	La Maison Française	(2)	871		
	22	GSB Residences	200	124,670		101
	23	New Residences at Lagunita Court	218	74,300		2
	24	Kingscote Gardens Renovation	(33)	(20,298)		(33)
Cumulative Net Contribution toward 2000 GUP Housing Units			2,404	1,231,875	2,404	1,010

^{*}Map C-2 illustrates the locations of housing projects that add or remove more than one unit. Individual housing projects are not shown on Map C-2.

^{1.} Based on an average of 767 square feet per unit constructed for the Munger Graduate Student Housing project.



MAP C-2 CUMULATIVE HOUSING PROJECTS

Appendix C Cumulative Projects

	ANNU	KEY TO MAP C-3 JAL REPORT 1 THROUGH ANNUAL REPORT CUMULATIVE PARKING PROJECTS	Г 16	
Fiscal Year	Map No.*	Project	Parking Spaces	Spaces Subtotal
	1	Removal of Arguello Lot	(55)	
Annual Report	2	Oak Road Angle Parking	52	(20)
1 (2000-01)		Oak Road Parallel Parking	12	(29)
(2000-01)		Student Services Building	(38)	1
		Band Modular Project	23	
Annual Report	3	Parking Structure V	97	
2	4	Oak Road (Angle to Parallel)	(66)	31
(2001-02)		Closure of Anatomy Lot	(28)	
		Maples Lot	5	
		PS-1 Restriping/ADA	(29)	
		Maples Lot	21	
	5	Escondido Village Expansion	212	
Annual Report	6	Serra Street Reconstruction	50	
3		Arguello Lot	37	394
(2002-03)		Mirrielees Lot Reconfiguration	(23)	
	7	Cowell Lot Expansion	154	
		Carnegie Global Center Parking	17	
		Misc. reconstruction/restripe/ADA	(45)	
		Anatomy Lot Reopening	26	
		Encina Gym/ Arrillaga Rec Center Construction	(17)	
Annual Report		Ventura Lot Closing-CSLI/EPGY Annex Construction	(21)	(91)
4 (2003-2004)		Housing Maintenance Yard Project	(25)	` ′
		Graduate Comm. Center Parking Lot	(35)	
		Misc. reconstruction/restripe/ADA	(19)	
		Stock Farm Bus Reconfiguration	(47)	
Annual Report		Dudley & Angell Recount	(20)	-
5 (2004-2005)		•	(23)	(159)
3 (2004-2003)		Mayfield 3 Recount	` '	
	8	Misc. reconstruction/restripe/ADA Ginzton Lot Closure (for Environment & Energy construction)	(69) (211)	
		Humanities Lot (for Old Union Surge Trailers)	(20)	
		Law School Lot/ House Relocation/ Prep for Munger construction	(26)	-
	9	Mariposa Lot/ Munger Law School/ House Relocation/ Columbae Renovation	(115)	-
	10	Stock Farm Bus Reconfiguration	(64)	1
Annual Report	11	Tresidder Lot (for House Relocation)	(138)	(659)
6 (2005-2006)		Dudley & Angell/ Olmsted Road	24	(-07)
	12	Eating Clubs Lot (for Old Union Surge)	(87)	1
	13	Stern Lot	(64)	1
	14	Wilbur-Stern Temporary Lot	108	1
	15	Wilbur Modulars Removal	131	1
	16	Wilbur South Lot (for PS 6)	(128)	1
		Misc. reconstruction/restripe/ADA	(69)	-
	1	1	1	·

Appendix C Cumulative Projects

(86)

(29)

KEY TO MAP C-3 ANNUAL REPORT 1 THROUGH ANNUAL REPORT 16 CUMULATIVE PARKING PROJECTS Map **Parking Spaces** Subtotal Fiscal Year No.* **Spaces Project** Li Ka Shing Center for Learning and Knowledge 17 (505)Annual Report displacement (798)7 (2006-2007) Tresidder – Post House Relocation project 34 18 Munger Displacement (369)Misc. Reconstruction/restripe/ADA 42 Dean's Lawn reconfiguration (27)Beckman/MSOB Closure for Li Ka Shing Center 19 (206)for Learning and Knowledge construction Annual Report Memorial Lot closure for John A. and Cynthia Fry 8 (2007-2008) 20 (81)Gunn SIEPR Building 93 21 Serra closure for Knight Management Center (712)22 Maples closure for Athletics Practice Gym (75)23 Parking Structure 6 1,185 Misc. Reconstruction/restripe/ADA 9 197 24 Oak Road Parking Lot 25 Arguello and 651 Serra Closure (267)Track House (46)Barnes & Abrams For Olmsted Road Staff Rental Annual Report 26 (96)(313)9 (2008-2009) Housing Dudley & Angell for Stanford Terrace Faculty (42)Miscellaneous reconstruction/restripe/ADA (59)27 Beckman Lot reopening 66 Toyon lot closure for Arrillaga Family Dining Annual Report 28 (163)(56)10 (2009-2010) Commons Miscellaneous reconstruction/restripe/ADA 41 Cypress lot closure for BioE/ChemE (44) Stock Farm West reconfiguration for bus parking (20)Roth Way reconfiguration for bus loading (36)Annual Report 810 11 (2010-2011) 29 Parking Structure 7 858 Dudley & Angell 49 Miscellaneous reconstruction/restripe/ADA 3 39 Lasuen@Arboretum – Bing and Galvez 30 Anatomy-McMurty Art - Anderson (95)L-17 (Stockfarm South) – Temp Child Care 31 (75)Annual Report L-25 (Panama) – West Campus Rec Center (23)(236)12 (2011-2012) Lasuen – Bing Concert Hall (26)L-73 (Stern Annex) – East Campus Rec (37)Miscellaneous reconstruction/restripe/ADA (19)32 L-20 (Stock Farm West) - SESI Project laydown (202)L-25 (Panama) - West Campus Recreation Center 28 L-96 (Galvez) - Galvez Event Lot completion 33 423 Comstock - Comstock Graduate Housing Project 34 (84) Annual Report L-65 (Cowell @ Bowdoin) - Contractor laydown (49)(68)13 (2012-2013) L-31 (Roble) - Windhover Project 35 (69)L-01 (Rectangle) - Parking Structure 9 construc. 36

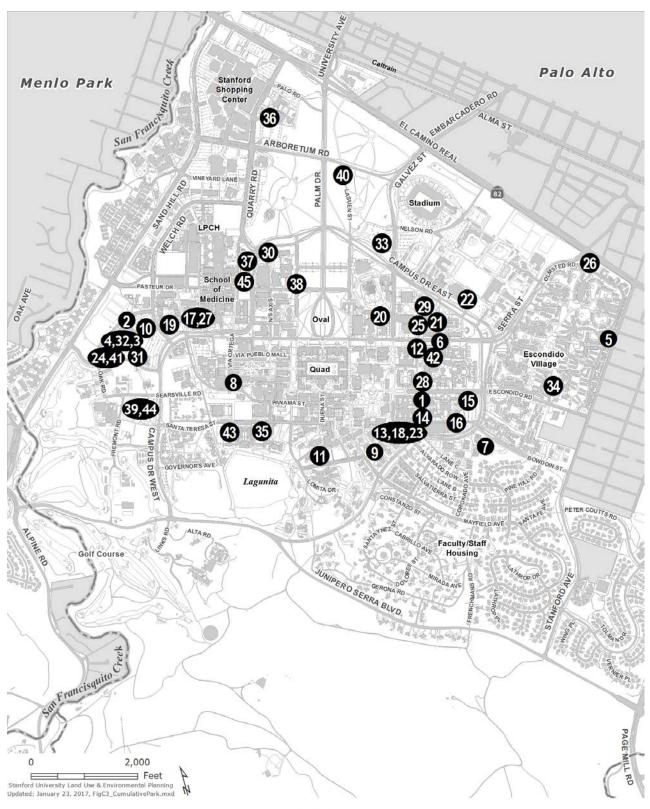
Miscellaneous reconstruction/restripe/ADA

KEY TO MAP C-3 ANNUAL REPORT 1 THROUGH ANNUAL REPORT 16 CUMULATIVE PARKING PROJECTS

Fiscal Year	Map No.*	Project	Parking Spaces	Spaces Subtotal
	37	Dean's Lawn for SHC Steam Plant	(106)	
		Cypress lot reopening	40	1
A 1D		Panama Lot for Roble Garage	(27)	1
Annual Report	38	Lomita at Rodin	(72)	526
14 (2013-2014)	36	Rectangle parking Lot reopening	75	7
	39	Searsville Lot net loss on Searsville Road	592	7
		Miscellaneous reconstruction/restripe/ADA	24	7
	40	Lasuen @ Arboretum reconfiguration and partial	(168)	
			(32)	7
	closure Gates Lot closure for Bio Quad construction L-20 (Stock Farm West) – removal of laydown, restoration of parking Roth Way – Tour bus reconfiguration 42 L-79, L-81 (GSB Highland Hall project) L-29, L-31, Santa Teresa @ Lagunita and Santa Teresa @ Sterling (New Residences at Lagunita Court and Roble Field projects) 44 L-22 (Searsville lot) – Construction laydown	117		
Annual Report		32	(50.5)	
	42		(108)	(695)
`	43	L-29, L-31, Santa Teresa @ Lagunita and Santa Teresa @ Sterling (New Residences at Lagunita	(395)	
	44		(126)	7
			(15)	1
	Lasuen @ Arboretum reconfiguration and partial closure Gates Lot closure for Bio Quad construction 41 L-20 (Stock Farm West) – removal of laydown, restoration of parking Roth Way – Tour bus reconfiguration 5 (2014-2015) 42 L-79, L-81 (GSB Highland Hall project) L-29, L-31, Santa Teresa @ Lagunita and Santa 43 Teresa @ Sterling (New Residences at Lagunita Court and Roble Field projects) 44 L-22 (Searsville lot) – Construction laydown Miscellaneous reconstruction/restripe/ADA 45 L-09 (Deans Lawn and Evening Shift) 70 L-25 (Panama) – Via Ortega South roadway construction Galvez Roundabout and West Burnham Parking lot reconfigurations L-79 (GSB Residences) – parking reconfiguration 43** L-29 and L-31 (at Lagunita Court) – reconfiguration	70		
			(43)	
			(23)	
		L-79 (GSB Residences) – parking reconfiguration	21	
	43**		117	
Annual Report 16	44**	L-22 (Searsville lot) – construction laydown converted back to permit parking	126	11
(2015-2016)		Miscellaneous reconstruction/restripe/recount/ADA	(60)	1
		Correction – removing Marguerite, tour bus, charter bus, and authorized oversize vehicle parking and staging spaces from L-20, Oak Road, and Arboretum	(108)	
		Correction - removing spaces at L-1A and Hoover Pavilion Garage (in Palo Alto)	(61)	
		Correction - removing Faculty/staff-only parking spaces from residential zoned areas	(28)	
Cumulative Net C	Contribut	ion toward 2000 GUP Parking Cap:		(1,239)

^{*} Map C-3 illustrates the locations of parking projects that change the parking inventory by more than 50 spaces.

^{**} Location 43 and 44 in AR 15 are listed again in AR 16 due to significant changes in those parking lots.



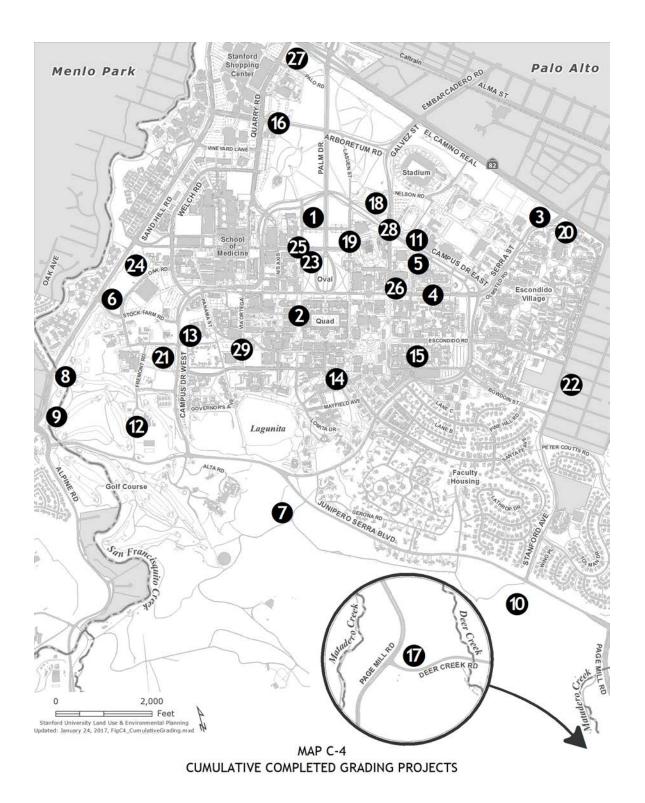
MAP C-3
CUMULATIVE PROJECTS THAT AFFECT PARKING INVENTORY (50 SPACES OR MORE)

Appendix C Cumulative Projects

KEY TO MAP C-4 ANNUAL REPORT 1 THROUGH ANNUAL REPORT 16 CUMULATIVE GRADING PERMIT PROJECTS

Fiscal Year	Map No.	Project
Annual Report 1 (2000-01)	1	Sandstone Sculpture
Annual Report 2 (2001-02)	2	Lomita Mall
	3	Serra/ECR Detention Basin
	4	Serra Street Reconfiguration
	5	Encina Tennis Courts
Annual Report 3 (2002-03)		None
Annual Report 4 (2003-04)	6	West Campus Storm Detention
	7	CTS Breeding Ponds
	8	Hole #3 Golf Cart Bridge Replacement
Annual Report 5 (2004-2005)	9	Hole #4 Golf Cart Bridge Replacement
	10	Temporary Art in Foothills
	11	Taube Tennis Practice Bleachers
Annual Report 6 (2005-2006)	12	Equestrian Center
	13	Carnegie Grading Permit
Annual Report 7 (2006-2007)		None
Annual Report 8 (2007-2008)		None
Annual Report 9 (2008-2009)	14	Dinkelspiel Stage
Annual Report 10 (2009-2010)		None
Annual Report 11 (2010-2011)		None
Annual Report 12 (2011-2012)	15	Arguello Recreation Field
	16	LPCH Contractor Parking Lot
	17	Page Mill Road Construction Laydown
Annual Report 13(2012-2013)	18	Galvez Parking Lot
	19	Lasuen Street Parking Lot
	20	Acorn Parking Lot
Annual Report 14 (2013-2014)	21	Searsville Parking Lot
Annual Report 15 (2014-2015)	22	Stanford Perimeter Trail
	23	Regional Storm Water Treatment Facility
	24	West Campus Detention Basin
	25	Lomita/Roth Parking Lot & Lomita Road
Annual Report 16 (2015-2016)	26	Galvez and Serra St Parking Lot
	27	Palo Lot (laydown)
	28	Galvez Roundabout
	29	Via Ortega South

Note: These are reported at the time of completion. These are grading projects that were not associated with construction of academic or housing square footage.



Appendix C Cumulative Projects

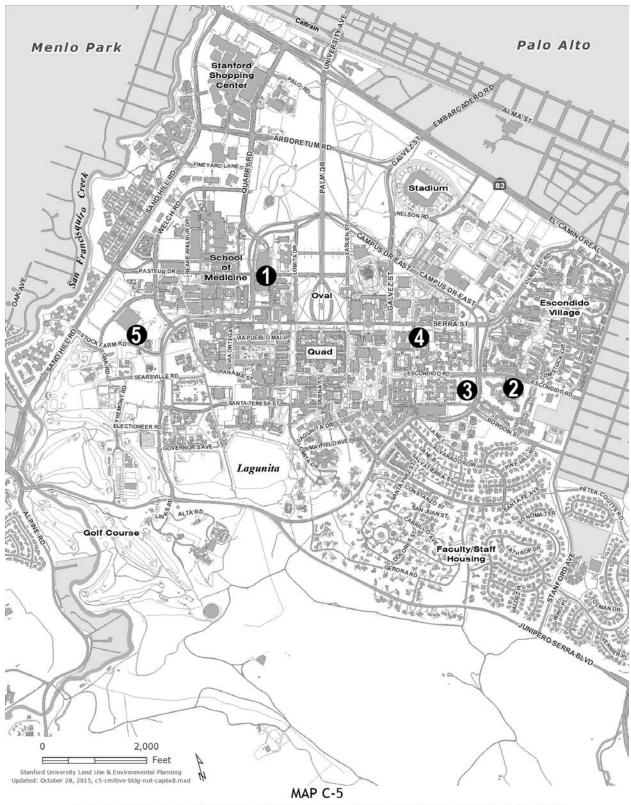
KEY TO MAP C-5 ANNUAL REPORT 1 THROUGH ANNUAL REPORT 16 CUMULATIVE BUILDING PROJECTS THAT DO NOT AFFECT BUILDING AREA CAP*

					applicable Cates	
Applicable GUP (onditio	n:	T	A.2.a	A.2.b	A.3
Fiscal year	Map No.	Project	Size (sq. ft.)	1989 GUP (sq. ft.)	Temporary Surge Space (sq. ft.)	Community Childcare Center (sq. ft.)
Annual Report 1 (2000-01)		None				
	1	Lokey Lab	85,063	85,063		
		Demolish Chem Storage	(2,441)	(2,441)		
Annual Report 2 (2001-02)		Demolish Shocktube Lab for ME	(929)	(929)		
		CCSC Modular Replacement	768			768
Annual Report 3 (2002-03)		None				
		Maples Surge Trailers	2,688		2,688	
Annual Report 4 (2003-2004)	2	Graduate Community Center	12,000			12,000
		CSLI/EPGY	8,270	8,270		
	3	Wilbur Modular Ext.	27,360		27,360	
Annual Report 5 (2004-2005)		Building 500	2,266	2,266		
(2004-2003)		Maples Surge	(2,688)		(2,688)	
		Varian Surge	3,050		3,050	
	3	Wilbur Modular Removal	(27,360)		(27,360)	
Annual Report 6 (2005-2006)	4	Old Union – Serra	21,495		21,495	
(2003-2000)		Old Union – Lomita	7,680		7,680	
		Old Union – Lomita Removed	(7,680)		(7,680)	
Annual Report 7 (2006 – 2007)		Durand Surge (formally Varian Surge)	3,050			
		Tower House Rehabilitation	3,241			3,241
Annual Report 8 (2007 – 2008)		Black Community Service Center Addition	2,500			2,500

KEY TO MAP C-5 ANNUAL REPORT 1 THROUGH ANNUAL REPORT 16 CUMULATIVE BUILDING PROJECTS THAT DO NOT AFFECT BUILDING AREA CAP*

				Α	Applicable Cate	gory
Applicable GUP C	onditio	n:		A.2.a	A.2.b	A.3
Fiscal year	Map No.	Project	Size (sq. ft.)	1989 GUP (sq. ft.)	Temporary Surge Space (sq. ft.)	Community Childcare Center (sq. ft.)
		GSB Modulars	3,840		3,840	
		SCRA Sports Complex	3,701			3,701
		Demolish old SCRA complex	(2,617)			(2,617)
		Madera Grove Childcare Center (Acorn Building)	8,354			8,354
Annual Report 9 (2008-2009)		Recalculation of AR 1 - 8	197			197
Annual Report 10 (2009-2010)		None				
		Welch Road modulars	4,030		4,030	
Annual Report 11 (2010-2011)		GSB Modular demolition	(3,840)		(3,840)	
,		Madera Gove Childcare Center (Mulberry Building)	8,218			8,218
Annual Report 12 (2011-2012)	5	Temporary Child Care Facility	10,560		10,560	
Annual Report 13	4	Encina Modulars Trailer demolition (Old Union – Serra)	(21,495)		(21,495)	
(2012-2013)		Cowell Lot Construction Trailers	2,584		2,584	
Annual Report 14 (2013-2014)		None				
		Varian Surge (double- counted in AR7)	(3,050)			
Annual Report 15 (2014-2015)		Extension of Temporary Child Care Facility	0 (already counted in AR 12)		0 (already counted in AR 12)	
Annual Report 16 (2015-2016)		Demolition of 315 Campus Dr Modulars (also known as Varian Surge or Durand Surge)	(3,050)		(3,050)	
Cumulative Net So	quare Fo	eet:	145,765	92,229	17,174	36,362

Appendix C Cumulative Projects



CUMULATIVE BUILDING PROJECTS THAT DO NOT AFFECT BUILDING AREA CAP (GREATER THAN 10,000GSF)

Appendix D
Summary Report of Traffic Monitoring,
2001-2016

The following tables summarize Stanford Traffic Monitoring to date. The requirements for establishment of the traffic baseline and performing annual comparisons to the baseline are contained within the December 2000 Stanford Community Plan/General Use Permit (GUP)/Environmental Impact Report (EIR) and within the 2000 Stanford General Use Permit.

Methodology for Evaluating Traffic Impacts

The GUP *Condition of Approval G.7* outlined the methodology for gathering baseline counts and monitoring. The process can be summarized as follows:

- Peak hour traffic is counted at least three times per year for a two-week period each time. The three counts shall be averaged to determine the annual traffic level.
- All counts are recorded at the 16 campus entry and exit points, which form a "cordon" around the campus.
- During the count, license plate numbers are recorded for each entering and exiting vehicle to determine the amount of non-campus traffic.
- Cordon volumes are adjusted for parking lots within the cordon used by the hospital (these volumes are subtracted from the cordon line counts) and parking lots outside the cordon used by the university (these volumes are added to the cordon line counts).
- A peak hour is then established for the campus based on the counts, adjusted for cut-through and parking lot location.

Condition of Approval G.4 defines the "no net new commute trips" standard as no increase in automobile trips during peak commute times in the peak commute direction, as counted at a defined cordon location around the central campus.

Condition of Approval G.6 defines the peak commute directions as entering the campus in the morning peak commute period and leaving the campus in the evening commute period. The peak commute period is defined as the one-hour period of time between 7 AM and 9 AM and again between 4 PM and 6 PM with the highest volume of traffic, as defined by the counts. Therefore, the two peak hours are considered to be independent events.

Condition of Approval G.9 states that the Planning Office shall monitor the cordon count volumes using the procedures described above. If the cordon counts, as modified by trip reduction credits, exceed the baseline volumes as calculated by the procedures outlined above by 1 percent or more for any two out of three consecutive years, mitigation of impacts to intersections identified in the December 2000 Stanford Community Plan/GUP EIR will be required. Since an increase in traffic during the AM peak hour is independent from an increase in traffic during the PM peak hour, an increase in traffic for two out of three years in one peak hour would trigger the additional elements of the monitoring program without a change, or even with a decrease in the other peak hour. Also a significant increase during one year in the AM and a sufficient increase in the PM for the following year would not trigger additional mitigation.

Monitoring Results

Annual Report 1 - Year 2001 – Baseline

The Stanford Traffic Monitoring began in Spring 2001. Monitoring counts are done each calendar year. The 2001 counts serve as the Baseline to which future years are compared.

Annual Report 2 - Year 2002

Two adjustments were made to the 2002 counts that are summarized in this report. On the basis of results of the 2002 counts, following the adjustments, it was concluded that the counts were below the threshold that would indicate an increase in traffic volumes. Stanford thus was found to be in compliance with the "no net new commute trips" GUP requirement for 2002.

An update to the original 2002 Monitoring Report was issued on October 15, 2003. Following the publication of the July 2003 report, Stanford and the County separately analyzed traffic data for the Stanford Homecoming week. Based on consultation with Stanford and independent analysis of County consultant traffic data, the County determined that data collected for the week of Homecoming should not be included in the comparison data set. The rationale for this decision was that Homecoming had been ongoing for years, was not included in the Baseline counts, and would continue to be an annual event. The County communicated to Stanford that other future "large events" would not be excluded from future counts. The revised analysis substituted the week of October 28, 2002, for the previously counted week of October 14, 2002. The results of this change are noted in the table below as the first revision.

Subsequent to the first adjustment to the 2002 Monitoring Report discussed above, Stanford informed the County that additional Marguerite Shuttle runs had been introduced to campus since the completion of the Baseline counts, and thus counted in the Year 1 (2002) comparison counts. This resulted in an increase of 12 vehicles in each peak hour. County staff determined that these new bus lines should be subtracted from the comparison count. The resultant counts are noted in the table below as the second revision.

Annual Report 3- Year 2003

The results of the 2003 counts were also below the threshold that would indicate an increase in traffic volumes. Stanford thus was also found to be in compliance with the "no net new commute trips" requirement for 2003.

Annual Report 4- Year 2004

The results of the 2004 counts were below the threshold that would indicate an increase in traffic volumes for the inbound AM peak hour traffic. However, the 2004 count for the outbound PM peak hour traffic exceeded the threshold by 51 vehicles. On March 2, 2005 Stanford submitted a 2004 Trip Credit Report that was reviewed by Korve Engineering. This report documented a credit of 66 for the increase in the number of bus trips across the cordon points and the number of transit passengers served outside the cordon area in the PM peak hour between the 2001 baseline and 2004. Most of the trip credits claimed are for passengers (primarily Stanford Hospital employees) getting on the shuttle outside the cordon area and traveling to the Palo Alto Caltrain station. Factoring in the trip credit of 66 trips Stanford did not exceed the no net new commute trip standard based on the 2004 Monitoring Program.

Annual Report 5 - Year 2005

The results of the 2005 Monitoring Report concluded that the adjusted AM inbound count totaled 3,383 vehicles. This represented an increase of 64 vehicles, which fell within the 90% confidence interval and did not represent a significant AM inbound traffic increase. The PM outbound count totaled 3,735 vehicles which was an increase of 289 vehicles from the baseline, which is above the 90% confidence interval by 180 vehicles and above the 1% increase trigger by 144 vehicles. Stanford applied for 182 trip credits for the 2005 monitoring period, consistent with the Cordon Count Credit Guidelines.

Annual Report 6 - Year 2006

The 2006 Monitoring Report concluded that the adjusted AM inbound count totaled 3,048 vehicles. This represented a decrease of 271 vehicles from the baseline and does not represent a significant AM inbound traffic increase. The PM outbound count totaled 3,427 vehicles, which was a decrease of 19 vehicles from the baseline, which is 128 vehicles below the 90 percent confidence interval and 164 vehicles below the 1 percent established trigger. Stanford submitted a 2006 Trip Credit Report showing 223.36 trip credits – this report has been received and confirmed by the County's traffic consultant.

Annual Report 7 - Year 2007

The 2007 Monitoring Report concluded that the adjusted AM inbound count totaled 3,058 vehicles, which was a decrease of 261 vehicles from the baseline, this decrease falls below the 90 percent confidence interval by 141 vehicles and did not represent a significant AM inbound traffic increase. The PM outbound count totaled 3,494 vehicles, which was an increase of 48 vehicles from the baseline counts. This increase falls below the 90 percent confidence interval by 61 vehicles and 97 vehicles below the 1 percent established trigger. Stanford submitted a 2007 Trip Credit Report showing 201 trip credits – this report has been received and confirmed by the County's traffic consultant.

Annual Report 8 - Year 2008

The 2008 Monitoring Report concluded that the adjusted AM inbound count totaled 3,020 vehicles, which was a decrease of 299 vehicles from the baseline and did not represent a significant AM inbound traffic increase. The PM outbound count totaled 3,460 vehicles, which was an increase of 14 vehicles above the baseline count and did not represent a significant PM outbound traffic increase. Stanford submitted a 2008 Trip Credit Report showing 240 trip credits – this report has been received and confirmed by the County's traffic consultant.

Annual Report 9 - Year 2009

The 2009 Monitoring Report concluded that the adjusted AM inbound count totaled 2,840 vehicles, which was a decrease of 479 vehicles from the baseline and did not represent a significant AM inbound traffic increase. The PM outbound count totaled 3,227 vehicles, which was a decrease of 219 vehicles below the baseline count and did not represent a significant PM outbound traffic increase.

Annual Report 10 - Year 2010

The 2010 Monitoring Report concluded that the adjusted AM inbound count totaled 2,921 vehicles, which was a decrease of 553 vehicles from the baseline and did not represent a significant AM inbound traffic increase. The PM outbound count totaled 3,459 vehicles, which was a decrease of 132 vehicles below the baseline count and did not represent a significant PM outbound traffic increase.

Annual Report 11 - Year 2011

The 2011 Monitoring Report concluded that the adjusted AM inbound count totaled 3,081 vehicles, which was a decrease of 393 vehicles from the baseline and did not represent a significant AM inbound traffic increase. The PM outbound count totaled 3,743 vehicles, which was a decrease of 51 vehicles below the baseline count, after the trip credit was applied, and did not represent a significant PM outbound traffic increase.

Annual Report 12 - Year 2012

The 2012 Monitoring Report concluded that the adjusted AM inbound count totaled 3,287 vehicles, which was a decrease of 187 vehicles from the baseline and did not represent a significant AM inbound traffic increase. The PM outbound count totaled 3,590 vehicles, which was a decrease of 302 vehicles below the baseline count, after the trip credit was applied, and did not represent a significant PM outbound traffic increase.

Annual Report 13 - Year 2013

The 2013 Monitoring Report concluded that the adjusted morning (AM) inbound count totaled 3,332 vehicles which was an increase of 13 vehicles from the baseline, which falls within the 90% confidence interval, and does not represent a significant AM inbound traffic increase. The afternoon (PM) outbound count totaled 3,744 vehicles, which is an increase of 298 vehicles from the baseline. However, after applying 339 trip credits submitted by Stanford and verified by the County, the PM peak hour outbound traffic is 186 trips below the 1% established trigger.

Annual Report 14 - Year 2014

The 2014 Monitoring Report concluded that the adjusted morning (AM) inbound count totaled 3,336 vehicles which was an increase of 17 vehicles from the baseline, which falls within the 90% confidence interval, and does not represent a significant AM inbound traffic increase. The afternoon (PM) outbound count totaled 3,696 vehicles, which is an increase of 250 vehicles from the baseline. However, after applying 402 trip credits submitted by Stanford and verified by the County, the PM peak hour outbound traffic is 297 trips below the 1% established trigger.

Annual Report 15 - Year 2015

The 2015 Monitoring Report concluded that the adjusted morning (AM) inbound count totaled 3,142 vehicles which was a decrease of 297 vehicles from the baseline, which falls below the 90% confidence interval, and does not represent a significant AM inbound traffic increase. The afternoon (PM) outbound count totaled 3,257 vehicles, which is a decrease of 298 vehicles from the baseline, and also falls below the 90% confidence interval and does not represent a significant PM outbound traffic increase. After applying 844 trip credits submitted by Stanford and verified by the County, the PM peak hour outbound traffic is 1,178 trips below the 1% established trigger.

Annual Report 16 - Year 2016

The 2016 Monitoring Report concluded that the adjusted morning (AM) inbound count totaled 3,170 vehicles which was a decrease of 149 vehicles from the baseline, which falls below the 90% confidence interval, and does not represent a significant AM inbound traffic increase. The afternoon (PM) outbound count totaled 3,316 vehicles, which is a decrease of 130 vehicles from the baseline, and also falls below the 90% confidence interval and does not represent a significant PM outbound traffic increase. After applying 543 trip credits submitted by Stanford and verified by the County, the PM peak hour outbound traffic is 818 trips below the 1% established trigger.

2001 Baseline

Original Publication Date:

Updated Publication Date:

October 15, 2003

Changes between the July 2002 and October 2003 reports were minor editorial corrections.

Inbound AM:	
Adjusted Average 2002 Count	3,319
90% Confidence Interval (2001)	+/- 120
Significant Traffic Increase (2001)	3,439
1% Increase Trigger (2001)	3,474
Outbound PM:	
Adjusted Average 2002 Count	3,446
90% Confidence Interval (2001)	+/- 109
Significant Traffic Increase (2001)	3,555
1% Increase Trigger (2001)	3,591

2002 Monitoring Report

Original Publication Date:	December 2002
Updated Publication Date:	October 15, 2003

ound AM:	Original Data	First Revision Data	Second Revision <u>Data</u>
Adjusted Average 2002 Count	3,390	3,287	3,275
Baseline-established 90% Confidence Interval (2001)	+/-120	+/-120	+/-120
Baseline-established Significant Traffic Increase (2001)	3,439	3,439	3,439
Baseline-established 1% Increase Trigger (2001)	3,474	3,474	3,474
Result	-84	-187	-199
	Original	First Revision	Second Revision
Outbound PM:	Data	Data	Data
Adjusted Average 2002 Count	3,678	3,598	3,586
Baseline-established 90% Confidence Interval (2001)	+/-109	+/-109	+/-109
Baseline-established Significant Traffic Increase (2001)	3,555	3,555	3,555
Baseline-established 1% Increase Trigger (2001)	3,591	3,591	3,591
Result	+87	+7	-5

2003 Monitoring Report

Original Publication Date:	January 29, 2004
the following table summarizes the results of traffic monitoring for 2003.	
nbound AM:	
Adjusted Average 2003 Count	3,413
Baseline-established 90% Confidence Interval (2001)	+/- 120
Baseline-established Significant Traffic Increase (2001)	3,439
Baseline-established 1% Increase Trigger (2001)	3,474
Result (falls below the 90% Confidence Interval by 26 vehicles)	-26
Result (falls below the 1% Trigger by 61 vehicles)	-61
Outbound PM:	
Adjusted Average 2003 Count	3,476
Baseline-established 90% Confidence Interval (2001)	+/- 109
Baseline-established Significant Traffic Increase (2001)	3,555
Baseline-established 1% Increase Trigger (2001)	3,591
Result (falls below the 90% Confidence Interval by 79 vehicles)	-79
Result (falls below the 1% Trigger by 115 vehicles)	-115

2004 Monitoring Report

Original Publication Date:	January 18, 2005
The following table summarizes the results of traffic monitoring for 2004.	
nbound AM:	
Adjusted Average 2004 Count	3,176
Baseline-established 90% Confidence Interval (2001)	+/- 120
Baseline-established Significant Traffic Increase (2001)	3,439
Baseline-established 1% Increase Trigger (2001)	3,474
Result (falls below the 90% Confidence Interval by 263 vehicles)	-263
Result (falls below the 1% Trigger by 298 vehicles)	-298
Outbound PM:	
Adjusted Average 2004 Count	3,642
Baseline-established 90% Confidence Interval (2001)	+/- 109
Baseline-established Significant Traffic Increase (2001)	3,555
Baseline-established 1% Increase Trigger (2001)	3,591
Result (exceeds the 90% Confidence Interval by 87 vehicles)	+87
Result (exceeds the 1% Trigger by 51 vehicles)	+51
2004 Trip Credit	-66
Result with Trip Credit (falls below the 1% Trigger by 15 vehicles)	-15

2005	Monitoring	Report
------	------------	--------

2005 Wonitoring Report		
Original Publication Date:	December 21, 2005	
The following table summarizes the results of traffic monitoring for 2005.		
Inbound AM:		
Adjusted Average 2005 Count	3,383	
Baseline-established 90% Confidence Interval (2001)	+/- 120	
Baseline-established Significant Traffic Increase (2001)	3,439	
Baseline-established 1% Increase Trigger (2001)	3,474	
Result (Falls below the 90% Confidence Interval by 56 vehicles)	-56	
Result (Falls below the 1% Trigger by 91 vehicles)	-91	
Outbound PM:		
Adjusted Average 2005 Count	3,735	
Baseline-established 90% Confidence Interval (2001)	+/- 109	
Baseline-established Significant Traffic Increase (2001)	3,555	
Baseline-established 1% Increase Trigger (2001)	3,591	
Result (exceeds the 90% Confidence Interval by 180 vehicles)	+180	
Result (exceeds the 1% Trigger by 144 vehicles)	+144	
	-174	
2003 Trip Credit		
2005 Trip Credit Result with Trip Credit (falls below the 1% trigger by 30 vehicles)	-30	
Result with Trip Credit (falls below the 1% trigger by 30 vehicles)		
Result with Trip Credit (falls below the 1% trigger by 30 vehicles) 2006 Monitoring Report	-30	
Result with Trip Credit (falls below the 1% trigger by 30 vehicles) 2006 Monitoring Report Original Publication Date: The following table summarizes the results of traffic monitoring for 2006. Inbound AM:	-30 November 20, 2006	
Result with Trip Credit (falls below the 1% trigger by 30 vehicles) 2006 Monitoring Report Original Publication Date: The following table summarizes the results of traffic monitoring for 2006. Inbound AM: Adjusted Average 2006 Count	-30 November 20, 2006	
Result with Trip Credit (falls below the 1% trigger by 30 vehicles) 2006 Monitoring Report Original Publication Date: The following table summarizes the results of traffic monitoring for 2006. Inbound AM: Adjusted Average 2006 Count Baseline-established 90% Confidence Interval (2001)	-30 November 20, 2006 3,048 +/- 120	
Result with Trip Credit (falls below the 1% trigger by 30 vehicles) 2006 Monitoring Report Original Publication Date: The following table summarizes the results of traffic monitoring for 2006. Inbound AM: Adjusted Average 2006 Count Baseline-established 90% Confidence Interval (2001) Baseline-established Significant Traffic Increase (2001)	-30 November 20, 2006 3,048 +/- 120 3,439	
Result with Trip Credit (falls below the 1% trigger by 30 vehicles) 2006 Monitoring Report Original Publication Date: The following table summarizes the results of traffic monitoring for 2006. Inbound AM: Adjusted Average 2006 Count Baseline-established 90% Confidence Interval (2001) Baseline-established Significant Traffic Increase (2001) Baseline-established 1% Increase Trigger (2001)	-30 November 20, 2006 3,048 +/- 120 3,439 3,474	
Result with Trip Credit (falls below the 1% trigger by 30 vehicles) 2006 Monitoring Report Original Publication Date: The following table summarizes the results of traffic monitoring for 2006. Inbound AM: Adjusted Average 2006 Count Baseline-established 90% Confidence Interval (2001) Baseline-established Significant Traffic Increase (2001) Baseline-established 1% Increase Trigger (2001) Result (falls below the 90% confidence interval by 391 vehicles)	-30 November 20, 2006 3,048 +/- 120 3,439 3,474 -391	
Result with Trip Credit (falls below the 1% trigger by 30 vehicles) 2006 Monitoring Report Original Publication Date: The following table summarizes the results of traffic monitoring for 2006. Inbound AM: Adjusted Average 2006 Count Baseline-established 90% Confidence Interval (2001) Baseline-established Significant Traffic Increase (2001) Baseline-established 1% Increase Trigger (2001)	-30 November 20, 2006 3,048 +/- 120 3,439 3,474	
2006 Monitoring Report Original Publication Date: The following table summarizes the results of traffic monitoring for 2006. Inbound AM: Adjusted Average 2006 Count Baseline-established 90% Confidence Interval (2001) Baseline-established Significant Traffic Increase (2001) Baseline-established 1% Increase Trigger (2001) Result (falls below the 90% confidence interval by 391 vehicles) Result (falls below the 1% increase trigger by 426 vehicles) Outbound PM:	3,048 +/- 120 3,439 3,474 -391 -426	
2006 Monitoring Report Original Publication Date: The following table summarizes the results of traffic monitoring for 2006. Inbound AM: Adjusted Average 2006 Count Baseline-established 90% Confidence Interval (2001) Baseline-established Significant Traffic Increase (2001) Baseline-established 1% Increase Trigger (2001) Result (falls below the 90% confidence interval by 391 vehicles) Result (falls below the 1% increase trigger by 426 vehicles) Outbound PM: Adjusted Average 2006 Count	-30 November 20, 2006 3,048 +/- 120 3,439 3,474 -391 -426 3,427	
2006 Monitoring Report Original Publication Date: The following table summarizes the results of traffic monitoring for 2006. Inbound AM: Adjusted Average 2006 Count Baseline-established 90% Confidence Interval (2001) Baseline-established Significant Traffic Increase (2001) Baseline-established 1% Increase Trigger (2001) Result (falls below the 90% confidence interval by 391 vehicles) Result (falls below the 1% increase trigger by 426 vehicles) Outbound PM: Adjusted Average 2006 Count Baseline-established 90% Confidence Interval (2001)	-30 November 20, 2006 3,048 +/- 120 3,439 3,474 -391 -426 3,427 +/- 109	
2006 Monitoring Report 2006 Monitoring Report Original Publication Date: The following table summarizes the results of traffic monitoring for 2006. Inbound AM: Adjusted Average 2006 Count Baseline-established 90% Confidence Interval (2001) Baseline-established Significant Traffic Increase (2001) Baseline-established 1% Increase Trigger (2001) Result (falls below the 90% confidence interval by 391 vehicles) Result (falls below the 1% increase trigger by 426 vehicles) Outbound PM: Adjusted Average 2006 Count Baseline-established 90% Confidence Interval (2001) Baseline-established Significant Traffic Increase (2001)	-30 November 20, 2006 3,048 +/- 120 3,439 3,474 -391 -426 3,427 +/- 109 3,555	
Provided the Trip Credit (falls below the 1% trigger by 30 vehicles) 2006 Monitoring Report Original Publication Date: The following table summarizes the results of traffic monitoring for 2006. Inbound AM: Adjusted Average 2006 Count Baseline-established 90% Confidence Interval (2001) Baseline-established Significant Traffic Increase (2001) Baseline-established 1% Increase Trigger (2001) Result (falls below the 90% confidence interval by 391 vehicles) Result (falls below the 1% increase trigger by 426 vehicles) Outbound PM: Adjusted Average 2006 Count Baseline-established 90% Confidence Interval (2001) Baseline-established Significant Traffic Increase (2001) Baseline-established 1% Increase Trigger (2001)	3,048 +/- 120 3,439 3,474 -391 -426 3,427 +/- 109 3,555 3,591	
2006 Monitoring Report Original Publication Date: The following table summarizes the results of traffic monitoring for 2006. Inbound AM: Adjusted Average 2006 Count Baseline-established 90% Confidence Interval (2001) Baseline-established Significant Traffic Increase (2001) Baseline-established 1% Increase Trigger (2001) Result (falls below the 90% confidence interval by 391 vehicles) Result (falls below the 1% increase trigger by 426 vehicles) Outbound PM: Adjusted Average 2006 Count Baseline-established 90% Confidence Interval (2001) Baseline-established Significant Traffic Increase (2001) Baseline-established Significant Traffic Increase (2001)	-30 November 20, 2006 3,048 +/- 120 3,439 3,474 -391 -426 3,427 +/- 109 3,555	

3,591

-95

-131

2007 Monitoring Report

Original Publication Date:	November 2007
The following table summarizes the results of traffic monitoring for 2007.	
Inbound AM:	
Adjusted Average 2007 Count	3,058
Baseline-established 90% Confidence Interval (2001)	+/- 120
Baseline-established Significant Traffic Increase (2001)	3,439
Baseline-established 1% Increase Trigger (2001)	3,474
Result (falls below the 90% confidence interval by 381 vehicles)	-381
Result (falls below the 1% increase trigger by 416 vehicles)	-416
Outbound PM:	
Adjusted Average 2007 Count	3,494
Baseline-established 90% Confidence Interval (2001)	+/- 109
Baseline-established Significant Traffic Increase (2001)	3,555
Baseline-established 1% Increase Trigger (2001)	3,591
Result (falls below the 90% confidence interval by 61 vehicles)	-61
Result (falls below the 1% trigger by 97 vehicles)	-97
2008 Monitoring Report	
Original Publication Date:	November 2008
Original Publication Date: The following table summarizes the results of traffic monitoring for 2008.	November 2008
The following table summarizes the results of traffic monitoring for 2008.	November 2008
	November 2008
The following table summarizes the results of traffic monitoring for 2008. Inbound AM: Adjusted Average 2008 Count Baseline-established 90% Confidence Interval (2001)	
The following table summarizes the results of traffic monitoring for 2008. Inbound AM: Adjusted Average 2008 Count	3,020
The following table summarizes the results of traffic monitoring for 2008. Inbound AM: Adjusted Average 2008 Count Baseline-established 90% Confidence Interval (2001) Baseline-established Significant Traffic Increase (2001) Baseline-established 1% Increase Trigger (2001)	3,020 +/- 120 3,439 3,474
The following table summarizes the results of traffic monitoring for 2008. Inbound AM: Adjusted Average 2008 Count Baseline-established 90% Confidence Interval (2001) Baseline-established Significant Traffic Increase (2001)	3,020 +/- 120 3,439
The following table summarizes the results of traffic monitoring for 2008. Inbound AM: Adjusted Average 2008 Count Baseline-established 90% Confidence Interval (2001) Baseline-established Significant Traffic Increase (2001) Baseline-established 1% Increase Trigger (2001)	3,020 +/- 120 3,439 3,474
The following table summarizes the results of traffic monitoring for 2008. Inbound AM: Adjusted Average 2008 Count Baseline-established 90% Confidence Interval (2001) Baseline-established Significant Traffic Increase (2001) Baseline-established 1% Increase Trigger (2001) Result (falls below the 90% confidence interval by 419 vehicles) Result (falls below the 1% increase trigger by 454 vehicles) Outbound PM:	3,020 +/- 120 3,439 3,474 -419
The following table summarizes the results of traffic monitoring for 2008. Inbound AM: Adjusted Average 2008 Count Baseline-established 90% Confidence Interval (2001) Baseline-established Significant Traffic Increase (2001) Baseline-established 1% Increase Trigger (2001) Result (falls below the 90% confidence interval by 419 vehicles) Result (falls below the 1% increase trigger by 454 vehicles) Outbound PM: Adjusted Average 2008 Count	3,020 +/- 120 3,439 3,474 -419 -454
The following table summarizes the results of traffic monitoring for 2008. Inbound AM: Adjusted Average 2008 Count Baseline-established 90% Confidence Interval (2001) Baseline-established Significant Traffic Increase (2001) Baseline-established 1% Increase Trigger (2001) Result (falls below the 90% confidence interval by 419 vehicles) Result (falls below the 1% increase trigger by 454 vehicles) Outbound PM: Adjusted Average 2008 Count Baseline-established 90% Confidence Interval (2001)	3,020 +/- 120 3,439 3,474 -419 -454
The following table summarizes the results of traffic monitoring for 2008. Inbound AM: Adjusted Average 2008 Count Baseline-established 90% Confidence Interval (2001) Baseline-established Significant Traffic Increase (2001) Baseline-established 1% Increase Trigger (2001) Result (falls below the 90% confidence interval by 419 vehicles) Result (falls below the 1% increase trigger by 454 vehicles) Outbound PM: Adjusted Average 2008 Count	3,020 +/- 120 3,439 3,474 -419 -454

Baseline-established 1% Increase Trigger (2001)

Result (falls below the 1% trigger by 131 vehicles)

Result (falls below the 90% confidence interval by 95 vehicles)

2009 Monitoring Report

Original Publication Date:	November 2009	
The following table summarizes the results of traffic monitoring for 2009.		
Inbound AM:		
Adjusted Average 2009 Count	2,840	
Baseline-established 90% Confidence Interval (2001)	+/- 120	
Baseline-established Significant Traffic Increase (2001)	3,439	
Baseline-established 1% Increase Trigger (2001)	3,474	
Result (falls below the 90% confidence interval by 599 vehicles)	-599	
Result (falls below the 1% increase trigger by 634 vehicles)	-634	
Outbound PM:		
Adjusted Average 2009 Count	3,227	
Baseline-established 90% Confidence Interval (2001)	+/- 109	
Baseline-established Significant Traffic Increase (2001)	3,555	
Baseline-established 1% Increase Trigger (2001)	3,591	
Result (falls below the 90% confidence interval by 328 vehicles)	-328	
Result (falls below the 1% trigger by 364 vehicles)	-364	
2010 Monitoring Report		
Original Publication Date:	December 2010	
The following table summarizes the results of traffic monitoring for 2010		
Inhound AM		
Inbound AM: Adjusted average 2010 count	2.921	
Adjusted average 2010 count	2,921 +/- 120	
Adjusted average 2010 count Baseline-established 90% confidence interval (2001)	+/- 120	
Adjusted average 2010 count Baseline-established 90% confidence interval (2001) Baseline-established significant traffic increase (2001)	+/- 120 3,439	
Adjusted average 2010 count Baseline-established 90% confidence interval (2001) Baseline-established significant traffic increase (2001) Baseline-established 1% increase trigger (2001)	+/- 120 3,439 3,474	
Adjusted average 2010 count Baseline-established 90% confidence interval (2001) Baseline-established significant traffic increase (2001)	+/- 120 3,439	
Adjusted average 2010 count Baseline-established 90% confidence interval (2001) Baseline-established significant traffic increase (2001) Baseline-established 1% increase trigger (2001) Result (falls below the 90% confidence interval by 518 vehicles) Result (falls below the 1% increase trigger by 553 vehicles)	+/- 120 3,439 3,474 -518	
Adjusted average 2010 count Baseline-established 90% confidence interval (2001) Baseline-established significant traffic increase (2001) Baseline-established 1% increase trigger (2001) Result (falls below the 90% confidence interval by 518 vehicles) Result (falls below the 1% increase trigger by 553 vehicles) Outbound PM:	+/- 120 3,439 3,474 -518 -553	
Adjusted average 2010 count Baseline-established 90% confidence interval (2001) Baseline-established significant traffic increase (2001) Baseline-established 1% increase trigger (2001) Result (falls below the 90% confidence interval by 518 vehicles) Result (falls below the 1% increase trigger by 553 vehicles) Outbound PM: Adjusted average 2010 count	+/- 120 3,439 3,474 -518 -553	
Adjusted average 2010 count Baseline-established 90% confidence interval (2001) Baseline-established significant traffic increase (2001) Baseline-established 1% increase trigger (2001) Result (falls below the 90% confidence interval by 518 vehicles) Result (falls below the 1% increase trigger by 553 vehicles) Outbound PM: Adjusted average 2010 count Baseline-established 90% confidence interval (2001)	+/- 120 3,439 3,474 -518 -553 3,459 +/- 109	
Adjusted average 2010 count Baseline-established 90% confidence interval (2001) Baseline-established significant traffic increase (2001) Baseline-established 1% increase trigger (2001) Result (falls below the 90% confidence interval by 518 vehicles) Result (falls below the 1% increase trigger by 553 vehicles) Outbound PM: Adjusted average 2010 count Baseline-established 90% confidence interval (2001) Baseline-established significant traffic increase (2001)	+/- 120 3,439 3,474 -518 -553 3,459 +/- 109 3,555	
Adjusted average 2010 count Baseline-established 90% confidence interval (2001) Baseline-established significant traffic increase (2001) Baseline-established 1% increase trigger (2001) Result (falls below the 90% confidence interval by 518 vehicles) Result (falls below the 1% increase trigger by 553 vehicles) Outbound PM: Adjusted average 2010 count Baseline-established 90% confidence interval (2001) Baseline-established significant traffic increase (2001) Baseline-established 1% increase trigger (2001)	+/- 120 3,439 3,474 -518 -553 3,459 +/- 109 3,555 3,591	
Adjusted average 2010 count Baseline-established 90% confidence interval (2001) Baseline-established significant traffic increase (2001) Baseline-established 1% increase trigger (2001) Result (falls below the 90% confidence interval by 518 vehicles) Result (falls below the 1% increase trigger by 553 vehicles) Outbound PM: Adjusted average 2010 count Baseline-established 90% confidence interval (2001) Baseline-established significant traffic increase (2001)	+/- 120 3,439 3,474 -518 -553 3,459 +/- 109 3,555	

2011 Monitoring Report

Original Publication Date:	December 2011	
The following table summarizes the results of traffic monitoring for 2011		
Inbound AM:		
Adjusted average 2011 count	3,081	
Baseline-established 90% confidence interval (2001)	+/- 120	
Baseline-established significant traffic increase (2001)	3,439	
Baseline-established 1% increase trigger (2001) Result (falls below the 90% confidence interval by 358 vehicles)	3,474 -358	
Result (falls below the 1% increase trigger by 393 vehicles)	-393	
Outbound PM:		
Adjusted average 2011 count	3,743	
Baseline-established 90% confidence interval (2001)	+/- 109	
Baseline-established significant traffic increase (2001)	3,555	
Baseline-established 1% increase trigger (2001)	3,591	
Result (exceeds the 90% confidence interval by 188 vehicles)	+188	
Result (exceeds the 1% increase trigger by 152 vehicles)	+152	
2011 Trip Credit	-203	
Result with Trip Credit (falls below the 1% trigger by 51 vehicles)	-51	
2012 Monitoring Report		
Original Publication Date:	December 2012	
The following table summarizes the results of traffic monitoring for 2012		
Inbound AM:		
Adjusted average 2012 count	3,287	
Baseline-established 90% confidence interval (2001)	+/- 120	
Baseline-established significant traffic increase (2001)	3,439	
Baseline-established 1% increase trigger (2001)	3,474	
Result (falls below the 90% confidence interval by 152 vehicles)	-152	
Result (falls below the 1% increase trigger by 187 vehicles)	-187	
Outbound PM:	2 700	
Adjusted average 2012 count	3,590	
Baseline-established 90% confidence interval (2001)	+/- 109 2 555	
Baseline-established significant traffic increase (2001)	3,555 3,591	
Baseline-established 1% increase trigger (2001) Result (exceeds the 90% confidence interval by 35 vehicles)	3,391 +35	
Result (falls below the 1% increase trigger by 1 vehicle)	+33 -1	
2012 Trip Credit	-301	
Result with Trip Credit (falls below the 1% trigger by 302 vehicles)	-302	

2013 Monitoring Report	
Original Publication Date:	March 2014
The following table summarizes the results of traffic monitoring for 2013	
Inbound AM: Adjusted average 2013 count Baseline-established 90% confidence interval (2001) Baseline-established significant traffic increase (2001) Baseline-established 1% increase trigger (2001) Result (falls below the 90% confidence interval by 107 vehicles)	3,332 +/- 120 3,439 3,474 -107
Outbound PM: Adjusted average 2013 count Baseline-established 90% confidence interval (2001) Baseline-established significant traffic increase (2001) Baseline-established 1% increase trigger (2001) Result (falls above the 90% confidence interval by 189 vehicles) Result (falls above the 1% increase trigger by 152 vehicles) 2013 Trip Credit Result with Trip Credit (falls below the 1% trigger by 51 vehicles)	-142 3,744 +/- 109 3,555 3,591 +189 +153 -339 -186
2014 Monitoring Report	
Original Publication Date: The following table summarizes the results of traffic monitoring for 2014	April 2015
Inbound AM: Adjusted average 2014 count Baseline-established 90% confidence interval (2001) Baseline-established significant traffic increase (2001) Baseline-established 1% increase trigger (2001) Result (falls below the 90% confidence interval by 103 vehicles) Result (falls below the 1% increase trigger by 138 vehicles)	3,336 +/- 120 3,439 3,474 -103 -138
Outbound PM: Adjusted average 2014 count Baseline-established 90% confidence interval (2001) Baseline-established significant traffic increase (2001) Baseline-established 1% increase trigger (2001) Result (exceeds the 90% confidence interval by 141 vehicles) Result (exceeds the 1% increase trigger by 105 vehicles) 2014 Trip Credit Result with Trip Credit (falls below the 1% trigger by 297 vehicles)	3,696 +/- 109 3,555 3,591 +141 +105 -402 -297

2015	Monitoring	Report

original Publication Date:	February 2016
he following table summarizes the results of traffic monitoring for 2015	
abound AM:	
Adjusted average 2015 count	3,142
Baseline-established 90% confidence interval (2001)	+/- 120
Baseline-established significant traffic increase (2001)	3,439
Baseline-established 1% increase trigger (2001)	3,474
Result (falls below the 90% confidence interval by 297 vehicles)	-297
Result (falls below the 1% increase trigger by 332 vehicles)	-332
Outbound PM:	
Adjusted average 2015 count	3,257
Baseline-established 90% confidence interval (2001)	+/- 109
Baseline-established significant traffic increase (2001)	3,555
Baseline-established 1% increase trigger (2001)	3,591
Result (falls below the 90% confidence interval by 298 vehicles)	-298
Result (falls below the 1% increase trigger by 334 vehicles)	-334
2015 Trip Credit	-844
Result with Trip Credit (falls below the 1% trigger by 1,178 vehicles)	-1,178

2016 Monitoring Report

Original Publication Date:	March 2017
The following table summarizes the results of traffic monitoring for 2016	
Inbound AM:	
Adjusted average 2016 count	3,170
Baseline-established 90% confidence interval (2001)	+/- 120
Baseline-established significant traffic increase (2001)	3,439
Baseline-established 1% increase trigger (2001)	3,474
Result (falls below the 90% confidence interval by 269 vehicles)	-269
Result (falls below the 1% increase trigger by 304 vehicles)	-304
2016 Trip Credit	-461
Result with Trip Credit (falls below the 1% trigger by 765 vehicles)	-765
Outbound PM:	
Adjusted average 2016 count	3,316
Baseline-established 90% confidence interval (2001)	+/- 109
Baseline-established significant traffic increase (2001)	3,555
Baseline-established 1% increase trigger (2001)	3,591
Result (falls below the 90% confidence interval by 239 vehicles)	-239
Result (falls below the 1% increase trigger by 275 vehicles)	-275
2016 Trip Credit	-543
Result with Trip Credit (falls below the 1% trigger by 818 vehicles)	-818

Definitions

The following definitions are provided to assist in understanding for procedures of the Stanford Traffic Monitoring.

Adjusted Traffic – The raw traffic counts defined below are adjusted to add in University traffic that does not cross the cordon, and to subtract hospital traffic that does cross the cordon, and cut-through traffic through the campus that is not university related. The adjusted traffic volumes are used to compare the Baseline traffic volumes to subsequent year volumes to assess potential changes in commute traffic volumes.

AM Peak Hour – The 60-minute time period with the highest volume of traffic within the 2-hour AM Peak Period. During the AM Peak Period, traffic counts are aggregated by 15-minute increments. The AM Peak Hour is the highest four consecutive 15-minute intervals during the Peak Period for all 16 entrance/exit points combined.

AM Peak Period – The 2-hour period beginning at 7:00 AM and ending at 9:00 AM. The AM Peak Hour is calculated for traffic volumes collected during the AM Peak Period.

Average Count – Traffic data are collected for 16 entry and exit points. The entering data are averaged for the AM peak and the existing data are averaged for the PM peak. The average counts are used to compare one year to a subsequent year to determine if a change in traffic volumes has occurred.

Baseline – The Baseline traffic data are the counts from calendar year 2001, the first year of monitoring after approval of the Stanford GUP in 2000. Subsequent year's counts are compared to the Baseline to determine if the GUP condition requiring no net new commute trips is being satisfied.

Cordon Line – A cordon line is an imaginary line that completely encircles an area and crosses all roads leading into and out of the area. By counting traffic volumes on the cordon by direction, the amount of traffic entering the area and exiting the area can be determined. For Stanford traffic monitoring, the cordon line surrounds the campus and crosses all entry and exit roads, such that all vehicles entering and exiting the campus can be counted.

License Plate Survey – The last four digits of the license plates of each vehicle entering and exiting the campus is recorded for one day during each week of traffic counts. The time period during which each identified vehicles enters and exits the campus cordon is also recorded. If an entering vehicle's license plate matches an exiting vehicle's license plate with a 15-minute interval, that vehicle is assumed to represent a cut-through trip (i.e. not campus-related) and is subtracted from the total traffic count for Stanford since it does not represent traffic related to Stanford. In order for a vehicle trip to be identified as "cut-through", it must be identified by license plate match as having entered via one roadway and exited via another. If a car is identified by license plate match as using the same entering and exiting roadway, the trip purpose is assumed to be to drop-off a passenger within the campus, and the trip is assumed to be Stanford related and is not subtracted from the trip count total.

PM Peak Hour – The 60-minute time period during which the highest volume of traffic is counted, within the 2-hour PM Peak Period. During the Peak Period, traffic counts are aggregated by 15-minute increments. The PM Peak Hour is the highest four consecutive 15-minute interval during the Peak Period for all 16 entrance/exit points combined.

PM Peak Period – The 2-hour period beginning at 4:00 PM and ending at 6:00 PM. The PM Peak Hour is calculated for traffic volumes collected during the PM Peak Period.

Raw Data – The total traffic volumes counted at the cordon line before adjustments are made. Adjustments are made to the raw data to subtract hospital parking within the cordon, and cutthrough traffic from the total count, and to add university parking outside the cordon to the total count, in order to accurately account for traffic attributable to Stanford University.

Significant Traffic Increase – In comparing the change in traffic volumes between the Baseline and subsequent years, only statistically significant changes are considered. The following parameters define how a significant traffic increase is calculated:

- Ninety Percent Confidence Interval A confidence interval is calculated to determine if a subsequent set of data is statistically different from the Baseline data. The County selected a 90 percent confidence interval as the significance threshold. Based on the daily variation in the Baseline counts, the 90 percent confidence interval for the AM peak hour is +/- 120 vehicles. The 90 percent confidence interval for the PM peak hour is +/- 109 vehicles. Therefore, if a subsequent year count exceeds the Baseline count by more than 120 vehicles, there is a 90 percent likelihood that the increase in traffic volumes has increased significantly.
- One Percent Increase Trigger The 1 percent trigger is a second criterion for identifying significant increases in traffic volume. Condition of Approval G.9 stipulates that if traffic volumes increase above the Baseline volumes by 1 percent or more in two out of three consecutive years, this will "trigger" a requirement for additional mitigation.

Trip Credits – *Condition of Approval G.8* specifies that the County will recognize and "credit" Stanford off-campus trip reduction efforts after the approval data of the GUP (December 12, 2000), but not before, within a specified area surrounding the campus. These credits can be used to offset a significant increase in peak hour traffic into and out of the campus. Specific guidelines have been established that define how credits can be applied. An example of a credit would be Stanford providing bus service to someone traveling from the Caltrain Station to the hospital. By reducing overall travel in the area around the campus, Stanford can receive a credit against increases in travel onto the campus.

Appendix E Sustainability at Stanford Annual Report

Appendix E Sustainability at Stanford Executive Summary



EXECUTIVE SUMMARY

Annual Highlights

At Stanford, sustainability is a core value that permeates all aspects of campus life and is deeply integrated into academics, campus operations, communications, and lifestyle. Sustainability teachings and practices enrich our students' academic experience, reduce the university's environmental impact, save resources, and engage the campus community.

This executive summary provides an overview of Sustainability at Stanford: A Year in Review, 2015-16, and showcases efforts on a number of sustainability topics. It summarizes key accomplishments, results, and trends, also offering some insight into the work ahead. Stanford takes a data-driven approach to its sustainability programming, using detailed metrics to track progress over time.

Overall Sustainability Ranking

- For the fourth consecutive year Stanford is on the <u>Princeton Review's Green Honor Roll</u>, which
 lists universities that achieve the highest score—99—on the Princeton Review's annual green
 rating. The Princeton Review tallied green rating scores for 640 institutions and included this
 information in its print and online guides.
- Sierra magazine has ranked Stanford number five on its top 10 "Cool Schools," out of more than 200 institutions evaluated in 2016. The Cool Schools feature story is published in the September/October 2016 issue of Sierra magazine, the official publication of the Sierra Club. Stanford's 2016 profile, as well as those of other schools, can be found online here.
- Many of the external rankings, including those of the Princeton Review and Sierra magazine, are based largely on the <u>Sustainability Tracking</u>, <u>Assessment & Rating System (STARS)</u> of the national Association for the Advancement of Sustainability in Higher Education (AASHE). <u>Stanford earned a Gold rating</u> through AASHE's latest version (2.1) of its assessment and national rating system. Stanford's score in 2016 increased six percentage points to 81%, which is the second highest score earned to date of the nearly 800 institutions that participate in STARS.
- In addition to external evaluations, the university has created an in-house building sustainability rating system to evaluate each building's sustainability performance in six categories (energy, water, waste, purchasing, transportation, and occupant engagement), which combine into an overall weighted average sustainability rating. This data-driven system allows the university to recognize high-performing buildings and identify opportunities in those that need

Appendix E Sustainability at Stanford Executive Summary

improvement. It has already motivated increased sustainability action in several facilities across campus.

Interdisciplinary Research and Sustainability Curricula

Stanford continues to produce leading interdisciplinary research to develop solutions to the world's most pressing environmental problems. The <u>Stanford Woods Institute for the Environment</u>, the <u>Precourt Institute for Energy (PIE)</u> and others award millions of dollars each year to innovative new research projects. The shift in undergraduate requirements from a discipline-based to a capacity-based model, enables students to take sustainability-related courses that also count toward breadth requirements. All seven schools offer a wide range of environmental and sustainability-related courses and research opportunities, with about 1,000 sustainability-related graduate and undergraduate courses offered across campus.

Greening of the Energy Supply

Stanford has transformed its energy system through <u>Stanford Energy System Innovations (SESI)</u>, which reduces greenhouse gas emissions by 68% and total campus potable water use by 18%. SESI has received <u>international acclaim</u> for its innovation and efficiency, receiving top honors from the state of California, Engineering News-Record, and the American Institute of Architects, to name a few. The electricity-dependent energy supply system offers greater reliability, lower cost, and more flexibility for additional green power procurement. By the end of 2016, the 67-MW Stanford Solar Generating Station will be fully operational, along with photovoltaics on 16 sites across campus, for a 65% renewable electricity supply. The <u>SESI website</u> serves as a primary mode of communication about the project, and regular tours encourage students, staff, and faculty alike to gain a better understanding of the systems that support the academic mission of the university.

Expanded Water Conservation

Stanford has an extensive history of <u>water conservation</u> and proactively manages available resources to meet its needs, while preserving ecological systems and vital resources for future generations. In the face of ongoing drought, the university has expanded its sustainable water practices and conservation efforts for significant results. Stanford has reduced its potable water consumption by 49% since 2000, thanks not only to savings gained from SESI, but to conservation across all major campus water users.

Leadership in Building Design and Construction

The university replaced the energy efficiency goal of 30% beyond code with whole-building energy performance targets derived specifically for each new building coming online. The <u>first buildings to utilize this new standard</u> will begin to come online in 2016, and Stanford has a multitude of projects in development that incorporate some of the most aggressive performance benchmarks in the industry today.

Appendix E Sustainability at Stanford Executive Summary

Robust Energy Efficiency Programs

The university continuously works to <u>reduce energy use in existing buildings</u> and to incorporate energy efficiency best practices into all new buildings. Programs like the Whole Building Energy Retrofit Program and Energy Retrofit Program provide rebates for updating buildings with the most efficient systems possible, and have each saved more than \$4 million in energy costs each year. A new focus on building control systems has maximized the potential for sustainable performance and system evaluation. As of 2015, Stanford has reduced energy intensity on campus 25% from a 2000 baseline, even with continued campus growth.

Expanded Alternative Transportation Options

In 2015, the employee drive-alone rate is at 50%, compared to 72% in 2002 at the inception of the enhanced <u>Transportation Demand Management program</u>. Commute-related emissions remain below 1990 levels, and this year saw record turnout for the annual Bike to Work Day. Stanford continues to expand access to electric vehicle charging stations while increasing the number of electric vehicles in its Marguerite and campus fleets.

Sustainability Enhancements in Food and Living

Residential & Dining Enterprises (R&DE) <u>Sustainable Food and Living programs</u> help to influence generations of students to lead sustainable lifestyles, not only on campus but in their future communities. R&DE prioritizes local, organic, humanely raised, fairly traded food and options from family-owned farms and sustainable fisheries. With a focus on plant-based-protein menus, R&DE has reduced the amount of animal proteins purchased by 14% and increased plant-based protein purchases by 29%. In 2015, R&DE Student Housing led an irrigation retrofit project to reduce landscape irrigation by 46%, or 33 million gallons of water, and during its first year of performance the project significantly exceeded expectations, reducing water usage by over 66%.

Higher Landfill Diversion Rate

Stanford has <u>increased its landfill diversion rate</u> from 30% in 1994 to 66% in 2015, reducing its actual landfilled tonnage by 25% since 2000. Implementation of composting across campus will help to further improve these numbers as the university aims to meet California's mandatory 75% diversion rate by 2020.

Behavioral Sustainability

The <u>suite of programs aimed at engaging the community</u> in sustainable practices continues to expand, with new targeted programs focused on high-impact areas such as systems integration, laboratories and events, and Cardinal Green campaigns that focus campus attention on specific opportunities for resource conservation. Annual savings from these programs total nearly \$500,000. The fifth annual <u>Celebrating Sustainability</u> event showcased the thriving culture of sustainability and, for the first time, aligned with an academic symposium to highlight how the university translates its groundbreaking research into practical application in a global environment. Entitled Knowledge to Action, the daylong celebration brought together more than 35 campus groups, 60 volunteers, and 650 guests, culminating with a reception at the Central Energy Facility.

Appendix E Sustainability at Stanford Executive Summary

Leadership in Sustainability

Central to the academic endeavor has been the Initiative on the Environment and Sustainability, which boosted interdisciplinary research and teaching across campus, in recognition of the fact that solutions to complex challenges demand collaboration across multiple fields. Leading institutes such as the Stanford Woods Institute for the Environment (founded in 2004) and Precourt Institute for Energy (founded in 2009) serve as the academic integration points and coordination platforms for interdisciplinary research and programs across all seven schools.

The Department of Sustainability and Energy Management (SEM) within Land, Buildings & Real Estate (LBRE) leads initiatives on campus physical infrastructure and programs in energy and climate, water, transportation, building operations, and information systems. The Office of Sustainability (founded in 2008 as an entity of SEM) connects campus departments and other entities and works collaboratively with them to steer sustainability-specific initiatives.

Creating a bridge between operational groups and academic entities are the Provost's Committee on Sustainability and the Sustainability Working Group. With a commitment to uphold sustainability as a visible priority at Stanford, these committees work to encourage and promote collaborations in support of sustainability programs across schools, institutes, and departments, as well as with students. Additional critical sustainability partners at Stanford include all LBRE departments; Residential & Dining Enterprises, which houses its own sustainable food and student housing programs; the Stanford Recycling Center, run by Peninsula Sanitary Service, Inc.; University Communications; Government and Community Relations; the Alumni Association; and over 20 student organizations.

Appendix E

Sustainability at Stanford Executive Summary

Collaborative Governance

The Provost's Committee on Sustainability was launched in spring 2012 with the intention of bringing together key leaders on campus to focus on sustainability as a core value at Stanford. The committee reviews programs run by the Office of Sustainability and its partners, lends support for overcoming institutional barriers, and brings academic and operations leadership together. In implementing a campus sustainability strategy, the committee provides invaluable support to enable the success of key initiatives among students, staff, and faculty alike. Each of these initiatives directly supports the strategies and actions laid out in the <u>Sustainability 3.0</u> plan.

Implementing and Measuring Sustainability

- Stanford's own sustainable-building rating
- National sustainability rating and third-party evaluations
- Sustainable athletics
- Residential education
- Deskside recycling and composting

Educating and Training the Stanford Community

- Celebrating Sustainability
- My Cardinal Green
- Sustainability curriculum
- Employee training
- Green Event program

The entire Sustainability at Stanford Annual Report 2015-16 may be found online at: http://sustainability-year-in-review.stanford.edu/2016/





F.1 Annual Reporting of Select LEED Credits

SSc4.1-4, Alternative Transportation

Reference annual GUP reporting on net trips during peak commuting hours

Stanford's annual reporting on "no net new commute trips" is provided in Appendix B (Condition G.4) and in Appendix D.

Submit an updated Transportation Demand Management Program document or similar narrative that describes alternative transportation services

Stanford's annual reporting on the TDM Program is provided in Appendix B (Condition G.2).

WEc1, Water Efficient Landscaping

Report the annual percentage of surface water (non-potable) vs. groundwater (potable) water in the lakewater irrigation system

Lakewater Irrigation System Supply Sources					
	Surface Water	rface Water			Total
Year	Quantity (acre-feet)	Percentage	Quantity (acre-feet)	Percentage	Quantity (acre-feet)
2010	809	70%	342	30%	1,151
2011	1,019	85%	182	15%	1,201
2012	1,032	82%	238	18%	1,270
2013	1,056	77%	311	23%	1,367
2014	72	6%	1,142	94%	1,214
2015	364	34%	721	66%	1,085
2016	215	24%	690	76%	905

The increased use of groundwater in the lakewater irrigation system between 2014 and 2016 is due to the drought. Groundwater wells are pumped to meet demand within the lakewater irrigation system and to fill storage within Felt Lake. The majority of campus lakewater irrigation demand was met by groundwater sources. The overall annual percentages do not reflect the Surface Water/Groundwater breakdown that occurred on a monthly basis (where a blend of both sources was used). However, the average groundwater percentage of the total lakewater irrigation system is 53% over the last 5 years, and 37% over the last 16 years (since 2001). "Abnormal" years were considered in the calculations for the Alternative Means approach, and Stanford demonstrated that with or without abnormal years, Stanford met the credit requirements for WEc1. Other "abnormal years" included 2006, when Felt Lake was drained, and 2007, when sediment removal at Felt Lake, and groundwater pumping was higher than normal. 2014 through 2016 are other examples of "abnormal years" with the drought.

Note: The sources of water contributing to the lakewater irrigation system have been tracked through various methods in order to fit within reporting formats, including that of BAWSCA and GUP reporting. Prior to 2015, the volume entering storage was subtracted from total surface water diverted and water used from storage. In 2015, water added to storage was subtracted from the metered groundwater or surface water source to better account for the source contributing to storage. Prior to 2016, all water coming from storage was assumed to be surface water. In order to better reflect the sources of water used in the Lakewater irrigation system, beginning in 2016 the source of stored water is being accounted for by tracking the volume of groundwater that enters and is used from storage. Assumptions for this new method include a starting point of zero groundwater in the non-potable irrigation system storage as of July 2013, surface water entering storage first, and groundwater used from storage first.

EAp3, Fundamental Refrigerant Management

Report when phase-out of CFC refrigerants in the central plant is complete.

The scheduled phase-out described in EAp3 has not changed. The demolition of the central energy plant began in FY 15 and was complete by November 2015. Therefore, the prohibited CFC refrigerant has been removed.

This will also indicate when EAc4, Enhanced Refrigerant Management, may be submitted for campus-wide pre-approval.

The Central Energy Plant refrigeration calculation described in EAp4 has not changed. Each building will continue to fill out the template to show full compliance with this credit.

MRp1, Storage & Collection of Recyclables; MRc2.1-2.2, Construction Waste Management

Confirm that PSSI is still Stanford University's waste contractor, and that PSSI's waste diversion programs are ongoing.

PSSI is Stanford University's waste contractor for all construction projects on campus, and their waste diversion programs are ongoing. Stanford's construction and demolition waste diversion rate for calendar year 2015 was 88.24%, meeting both the minimum 50% diversion rate and the 75% diversion rate to maintain two credits under MRc2 for the campus as a whole.

Reference reporting already sent to the County under the Solid Waste Management Act of CA (AB 939).

Stanford submitted the County of Santa Clara Countywide AB 939 Quarterly Summary to the Santa Clara County Integrated Waste Management Program on or before March 2, May 30, August 30, and November 30, 2015.

IDc1.3, Green Housekeeping

Confirm that Unicco is Stanford University's cleaning service provider.

C&W Services, previously known as DTZ or Unicco, is Stanford University's cleaning service provider.

IDc1.4, Green Campus Operations Education

Provide update on any new green campus operations, education campaigns, newsletters, or other forms of green campus operations education

The description of green campus operations provided in the Green Building Ordinance materials did not change during this year.

ISc1.6, Green Dining

Provide an update on any green dining initiatives or education

The description of green dining initiatives and education provided in the Green Building Ordinance materials did not change during this year.

Water Reduction Credits

Report on 'water bank' balance using water calculation template.

The reporting period for this credit is July 1 to June 30, to coincide with Stanford's annual GUP water consumption reporting period for SFPUC purchases and water conservation projects. There were two building projects that affected the water bank balance during this period.

Water Bank Balance			
Year	Projects	Change (mgd)	Cumulative Balance (mgd)
2010	Previous Projects under GUP	0.683880	0.683880
2011	Water conservation projects	0.012446	0.696326
2012	Water conservation projects	0.009141	0.705467
2013	Water conservation projects	0.017884	0.723351
2014	Water conservation projects	0.018824	0.742175
2015	Water conservation projects and SESI	0.422232	1.164407
2016	Water conservation projects and new building projects	0.005922	1.1703287

^{*} SESI: Stanford Energy Systems Innovations

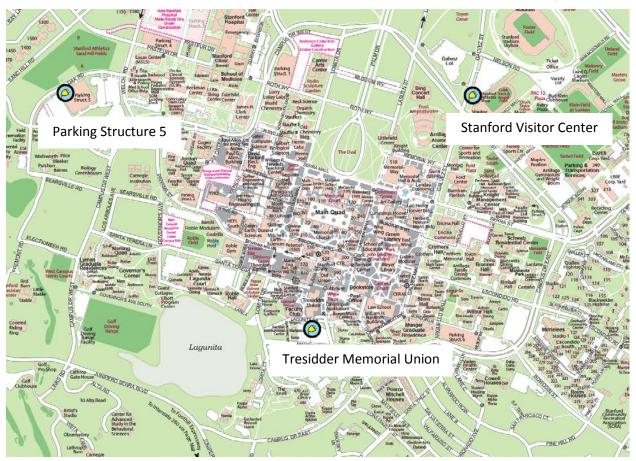
F.2 Annual Reporting of Plug-In Electric Vehicle Charging Systems

The parking baseline is the total number of parking spaces recorded within the site boundary, in Annual Report 13 (18,270 spaces), plus all projects approved from September 1, 2013 to February 14, 2014 (Acorn parking lot, 12 net new spaces; Searsville parking lot, 592 spaces), or a total of **18,874 spaces**. As of February 14, 2014, there were six parking spaces that had access to EV charging on-campus that counted towards meeting the Ordinance (see Figure F-1).

As of August 31, 2016, the total number of parking spaces on campus is **18,112**, which is below the baseline number of spaces. Therefore, Stanford is in compliance with the County of Santa Clara's Ordinance for plug-in electric vehicle charging systems.

Date	Parking spaces tally	No. of spaces above baseline	No. of EV charging spaces required by PEV Ordinance	No. of EV charging spaces on campus	In compliance with PEV Ordinance
End of FY 13 (August 31, 2013)	18,270	N/A	N/A	N/A	N/A
Baseline as of February 14, 2014	18,874	0	0	6	Yes
End of FY 14 (August 31, 2014)	18,796	(78)	0	6	Yes
End of FY 15 (August 31, 2015)	18,101	(773)	0	14	Yes
End of FY 16 (August 31, 2016)	18,112	(762)	0	24	Yes

FIGURE F-1: CURRENT EV CHARGER LOCATIONS AS OF AUGUST 31, 2016



Locations	Number of ports	Charging type
Parking Structure 5 / Stock Farm Garage	16	Level 2
Stanford Visitor Center	4	Level 2
Tresidder Memorial Union	4	Level 2
Total	24	