BUDGET JUSTIFICATION

Funds from a NLCS grant will provide field support where none is available, ameliorating challenges to the duration of the fieldwork, constraints on crew size, and ensuring that collected material can be properly prepared and curated by the repository. Our total annual budget for this project is $23,501; the amount requested is $21,470. Because museum curation and subsequent laboratory work are partially facilitated by existing laboratory consumables, and student and volunteer labor, a portion of field and lab expenses are offered 'in-kind.' We have separated the field budget into itemized sections, including (1) vehicular transport of crew, fossils, and supplies (to/from the field), and accommodation in Bluff, Utah, (2) field supplies and other direct costs, (3) student preparator salary for one year, and (4) indirect costs.

(1) Travel/Transport

PI (USC), Fleet Vehicle Rental (vehicle type, SUV-Intermediate 4x4)
Vehicle rental fee (to be covered in-kind): 409.00 (long-term base fee) + 0.42 mileage * 1480 total estimated miles *$1031*

Estimated fuel cost: 1380 miles round trip from Los Angeles to site (Bluff, Utah) + 100 miles on site (trips between outcrops to/from Bluff and resupply trips) * $0.54/mi (2016 average gas mileage) *$800*

Co-PI plus one graduate student (California State University), personal vehicular transport
Estimated fuel cost: 1288 miles round trip from San Bernardino to site (Bluff, Utah) * $0.54/mi *$696*

Additional field crew, David Berman and Amy Henrici (Carnegie Museum), personal vehicular transport
Estimated fuel cost: 3,600 miles round trip from Pittsburgh to site (Bluff, Utah) * $0.54/mi *$1944*

Accommodation in Bluff, Utah ($200/night for entire ~6 member crew * 14 nights) *$2800*

Per Diem ($25/day * crew of ~6 * 14 days) *$2100*

Total Travel: ***$9371***

(2) Supplies and Other Direct Costs

Plaster (2 bags * $15.00)	*$30*
Burlap (1 large roll)	*$90*
Toilet paper (1 large pack)	*$20*
Paper towels (1 pack of 8)	*$12*
Gallon-sized ziplock baggies (2 boxes * $4.00)	*$8*
Cyanoacrylate glue (6 bottles * $10.00)	*$60*
Acryloid/paraloid beads	*$150*
Duct tape (6 rolls * $10.00)	*$60*
Collecting bags (sold in quantity of 100)	*$100*
Est. in-kind supplies from USC and Museum (e.g., preparation consumables)	*$1000*
Mailing of rock/carbonate samples (conodont microfossils)	*$250*
Publication fees	*$3000*
Total Supplies:	***$4780***

(3) Salaries

In addition to travel and field data collection conducted by the PI, Co-PI, and participating field crew, financial support is requested in the form of salary for curation of collected materials, including fossil preparation by a student trainee. The PI's salary will be paid through his percent effort (4%) in-kind matching. Given students' needs for consistent employment following a regular weekly schedule, we propose to hire and train a part-time undergraduate assistant over two academic semesters who will assist in fossil preparation. Per University of Southern California's policies, fringe benefits do not apply to part-time student employees.

Salaries	
Principal Investigator 4% effort in-kind matching	*$5500*
Undergraduate (two 15-wk semesters) 10 hrs/wk * 30 wks * $15/hr	*$4500*
Total Salary:	***$10,000***
+ ***Indirect Costs:***	***$4321***
Total Budget (including Indirect Costs):	***$28472***
Total Requested:	***$20941***

Budget Category	**NLCS Requested**	**USC In-Kind**	**Museum In-Kind**
Travel	$8340	$1031	
Supplies	$3780	~$500.00	~$500.00
PI Salary		$5500	
Student salary	$4500		
Indirect costs	$4321		
Totals	$20941	$7031	$500.00

Indirect Costs

The off-campus rate at University of Southern California is 26% of MTDC, as determined by the University of Southern California's most recent indirect cost negotiation agreement. The off-campus MTDC base excludes facilities rental costs and operations and maintenance expenses from the direct cost items of materials, supplies, and services.

COLLEGES AND UNIVERSITIES RATE AGREEMENT

EIN:

ORGANIZATION:
University of Southern California
University Park
Los Angeles, CA 90089-0011

DATE:07/21/2016

FILING REF.: The preceding agreement was dated 07/08/2015

The rates approved in this agreement are for use on grants, contracts and other agreements with the Federal Government, subject to the conditions in Section III.

SECTION I: INDIRECT COST RATES

RATE TYPES: FIXED FINAL PROV. (PROVISIONAL) PRED. (PREDETERMINED)

EFFECTIVE PERIOD

TYPE	FROM	TO	RATE(%)	LOCATION	APPLICABLE TO
PRED.	07/01/2016	06/30/2020	65.00	On-Campus	Organized Res.
PRED.	07/01/2016	06/30/2020	26.00	Off-Campus	Organized Res.
PRED.	07/01/2016	06/30/2020	45.00	On-Campus	Instruction
PRED.	07/01/2016	06/30/2020	26.00	Off-Campus	Instruction
PRED.	07/01/2016	06/30/2020	30.50	On-Campus	Other Spon Act
PRED.	07/01/2016	06/30/2020	26.00	Off-Campus	Other Spon Act
PRED.	07/01/2016	06/30/2020	26.00	Off-Campus	Info Sci Inst
PRED.	07/01/2016	06/30/2020	26.00	Off-Campus	Ctr Creative Tech
PROV.	07/01/2020	Until Amended		(1)	

*BASE

(1) Use the same rates and conditions as those cited for fiscal year ending June 30, 2020.

*BASE: Modified total direct costs, consisting of all direct salaries and wages, fringe benefits, materials, supplies, services, travel and up to the first $25,000 of each subaward (regardless of the period of performance of the subawards under the award). Modified total direct costs shall exclude equipment, capital expenditures, charges for patient care, tuition remission, rental costs of off-site facilities, scholarships, and fellowships as well as the portion of each subaward in excess of $25,000.

The off-campus base shall exclude facilities rental costs and operations and maintenance expenses from the direct cost items of materials and supplies and services.

ORGANIZATION: University of Southern California

AGREEMENT DATE: 7/21/2016

SECTION I: FRINGE BENEFIT RATES**

TYPE	FROM	TO	RATE(%)	LOCATION	APPLICABLE TO
PRED.	7/1/2016	6/30/2018	33.20 (1)	All	All Employees
FIXED	7/1/2016	6/30/2017	9.00 (2)	All	Info Sci. Inst.
FIXED	7/1/2016	6/30/2017	8.80 (2)	All	Ctr. Creative Tech.
FIXED	7/1/2016	6/30/2017	22.50 (3)	All	Post Docs

** DESCRIPTION OF FRINGE BENEFITS RATE BASE:

(1) Direct salaries and wages including vacation, holiday, and sick pay of faculty and staff personnel only. Rate does not apply to student employees, Research Assistants or Teaching Assistants.

(2) Direct salaries and wages excluding all fringe benefits.

(3) Direct salaries and wages including vacation, holiday and sick pay. This rate is applicable for post docs who received their hire notification after 7/1/12.

ORGANIZATION: University of Southern California

AGREEMENT DATE: 7/21/2016

SECTION II: SPECIAL REMARKS

TREATMENT OF FRINGE BENEFITS:

This organization uses a fringe benefit rate which is applied to salaries and wages for both budgeting and charging purposes for Federal projects. The following fringe benefits are included in the fringe benefit rate: SOCIAL SECURITY, RETIREMENT PLANS, HEALTH AND DENTAL, UNEMPLOYMENT, WORKERS COMPENSATION, SABBATICAL LEAVE, EMPLOYEE TUITION REMISSION, LIFE INSURANCE, AND MISCELLANEOUS EMPLOYEES SERVICES. A separate rate is also applied for the Information sciences Institute and the Centers for Creative Technologies for vacation and personal days off.

TREATMENT OF PAID ABSENCES

Vacation, holiday, sick leave pay and other paid absences are included in salaries and wages and are claimed on grants, contracts and other agreements as part of the normal cost for salaries and wages. Separate claims for the costs of these paid absences are not made except for paid absences that have been earned but not taken when an individual separates from the university prior to the completion of the grant, contract or other agreement.

The cost of vacation and personal days off are included in the Information Sciences Institute and the Centers for Creative Technologies fringe benefit rates. Federal projects must be credited for salaries and wages for periods when employees are on vacation or personal days off. Holiday, sick leave pay, and other paid absences are included in salaries and wages and are charged to Federal projects as part of the normal charge for salaries and wages.

ORGANIZATION: University of Southern California

AGREEMENT DATE: 7/21/2016

DEFINITION OF OFF-CAMPUS: A project is considered off-campus if the activity is conducted at locations other than in University owned or operated facilities and indirect costs associated with physical plant and library are not considered applicable to the project.

Projects conducted partially on-campus and partially off-campus: Actual costs will be apportioned between on-campus and off-campus sites consistent with where the work is performed and each portion will bear the appropriate on-campus or off-campus rate.

DEFINITION OF EQUIPMENT
Equipment is defined as tangible nonexpendable personal property having a useful life of more than one year and an acquisition cost of $5,000 or more per unit.

The rates relating to the Information Sciences Institute (ISI) and Centers for Creative Technologies (CCT) are effective for the periods identified in the negotiation agreement provided that the ISI and CCT funding or costing mechanisms now in place remain unchanged.

The four year extension of the F&A rates was granted in accordance with 2 CFR 200.414(g).

NEXT PROPOSAL DUE DATE
A F&A proposal based on actual costs for fiscal year ending 06/30/19, will be due no later than 12/31/19.
The next fringe rate proposal based on actual costs for the fiscal year ending 6/30/16, will be due no later than 12/31/16.

ORGANIZATION: University of Southern California

AGREEMENT DATE: 7/21/2016

SECTION III: GENERAL

A. LIMITATIONS:

The rates in this Agreement are subject to any statutory or administrative limitations and apply to a given grant, contract or other agreement only to the extent that funds are available. Acceptance of the rates is subject to the following conditions: (1) Only costs incurred by the organization were included in its facilities and administrative cost pools as finally accepted: such costs are legal obligations of the organization and are allowable under the governing cost principles; (2) The same costs that have been treated as facilities and administrative costs are not claimed as direct costs; (3) Similar types of costs have been accorded consistent accounting treatment; and (4) The information provided by the organization which was used to establish the rates is not later found to be materially incomplete or inaccurate by the Federal Government. In such situations the rate(s) would be subject to renegotiation at the discretion of the Federal Government.

B. ACCOUNTING CHANGES:

This Agreement is based on the accounting system purported by the organization to be in effect during the Agreement period. Changes to the method of accounting for costs which affect the amount of reimbursement resulting from the use of this Agreement require prior approval of the authorized representative of the cognizant agency. Such changes include, but are not limited to, changes in the charging of a particular type of cost from facilities and administrative to direct. Failure to obtain approval may result in cost disallowances.

C. FIXED RATES:

If a fixed rate is in this Agreement, it is based on an estimate of the costs for the period covered by the rate. When the actual costs for this period are determined, an adjustment will be made to a rate of a future year(s) to compensate for the difference between the costs used to establish the fixed rate and actual costs.

D. USE BY OTHER FEDERAL AGENCIES:

The rates in this Agreement were approved in accordance with the authority in Title 2 of the Code of Federal Regulations, Part 200 (2 CFR 200), and should be applied to grants, contracts and other agreements covered by 2 CFR 200, subject to any limitations in A above. The organization may provide copies of the Agreement to other Federal Agencies to give them early notification of the Agreement.

E. OTHER:

If any Federal contract, grant or other agreement is reimbursing facilities and administrative costs by a means other than the approved rate(s) in this Agreement, the organization should (1) credit such costs to the affected programs, and (2) apply the approved rate(s) to the appropriate base to identify the proper amount of facilities and administrative costs allocable to these programs.

BY THE INSTITUTION:

University of Southern California

(INSTITUTION)

James Staten

(SIGNATURE)

James Staten

(NAME)

Sr. Vice President,
Finance and Chief Financial Officer

(TITLE)

7/25/16

(DATE)

ON BEHALF OF THE FEDERAL GOVERNMENT:

DEPARTMENT OF HEALTH AND HUMAN SERVICES

(AGENCY)

Arif M. Karim -A

Digitally signed by Arif M. Karim -A
DN: c=US, o=U.S. Government, ou=HHS, ou=PSC, ou=People, cn=Arif M. Karim -A, 0.9.2342.19200300.100.1.1=2000212895
Date: 2016.07.24 07:50:37 -05'00'

(SIGNATURE)

Arif Karim

(NAME)

Director, Cost Allocation Services

(TITLE)

7/21/2016

(DATE) 0239

HHS REPRESENTATIVE: Patrick Smith

Telephone: (415) 437-7820