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

<table>
<thead>
<tr>
<th>RATE TYPES:</th>
<th>FIXED</th>
<th>FINAL</th>
<th>PROV. (PROVISIONAL)</th>
<th>PRED. (PREDETERMINED)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>EFFECTIVE PERIOD</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TYPE</td>
<td>FROM</td>
<td>TO</td>
<td>RATE(%) LOCATION</td>
<td>APPLICABLE TO</td>
</tr>
<tr>
<td>PRED.</td>
<td>07/01/2020</td>
<td>06/30/2021</td>
<td>55.00 On Campus</td>
<td>Organized Research</td>
</tr>
<tr>
<td>PRED.</td>
<td>07/01/2021</td>
<td>06/30/2024</td>
<td>56.50 On Campus</td>
<td>Organized Research</td>
</tr>
<tr>
<td>PRED.</td>
<td>07/01/2020</td>
<td>06/30/2024</td>
<td>44.00 On Campus</td>
<td>Instruction</td>
</tr>
<tr>
<td>PRED.</td>
<td>07/01/2020</td>
<td>06/30/2024</td>
<td>33.00 On Campus</td>
<td>Other Sponsored Activities</td>
</tr>
<tr>
<td>PRED.</td>
<td>07/01/2020</td>
<td>06/30/2024</td>
<td>26.00 Off Campus</td>
<td>All Programs</td>
</tr>
<tr>
<td>PROV.</td>
<td>07/01/2024</td>
<td>Until Amended</td>
<td></td>
<td>Use same rates and conditions as those cited for fiscal year ending June 30, 2024.</td>
</tr>
</tbody>
</table>
Modified total direct costs, consisting of all direct salaries and wages, applicable fringe benefits, materials and 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, rental costs, tuition remission, scholarships and fellowships, participant support costs and the portion of each subaward in excess of $25,000. Other items may only be excluded when necessary to avoid a serious inequity in the distribution of indirect costs, and with the approval of the cognizant agency for indirect costs.
**SECTION I: FRINGE BENEFIT RATES**

<table>
<thead>
<tr>
<th>TYPE</th>
<th>FROM</th>
<th>TO</th>
<th>RATE (%)</th>
<th>LOCATION</th>
<th>APPLICABLE TO</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIXED</td>
<td>7/1/2019</td>
<td>6/30/2020</td>
<td>26.00</td>
<td>All</td>
<td>All Employees</td>
</tr>
<tr>
<td>FIXED</td>
<td>7/1/2020</td>
<td>6/30/2021</td>
<td>28.20</td>
<td>All</td>
<td>All Employees</td>
</tr>
<tr>
<td>PROV.</td>
<td>7/1/2021</td>
<td>Until amended</td>
<td></td>
<td>All</td>
<td>Use same rates and conditions as those cited for fiscal year ending June 30, 2021.</td>
</tr>
</tbody>
</table>

**DESCRIPTION OF FRINGE BENEFITS RATE BASE:**
Salaries and wages.
SECTION II: SPECIAL REMARKS

TREATMENT OF FRINGE BENEFITS:

The fringe benefits are charged using the rate(s) listed in the Fringe Benefits Section of this Agreement. The fringe benefits included in the rate(s) are listed below.

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 are not made for the cost of these paid absences.

OFF-SITE DEFINITION: For all activities performed in facilities not owned by the organization and to which rent is directly allocated to the project(s), the off-site rate will apply. Actual costs will be apportioned between on-site and off-site components. Each portion will bear the appropriate rate.

FRINGE BENEFITS:

Disability Insurance   Dental Insurance   Worker's Compensation
Retirement            Life Insurance    Tuition Remission
Unemployment Insurance Wellness Program Health Insurance

The next fringe benefit rate proposal, based on actual costs for the fiscal year ending 06/30/2020, is due in our office by 12/31/2020.

The next facilities and administrative cost rate proposal, based on actual costs for the fiscal year ending 06/30/2023, is due in our office by 03/31/2023.

* This Rate Agreement reflects new Fringe Benefits Rates only *

All rates included in this Rate Agreement apply to the four (4) University of Missouri campuses listed below:

- University of Missouri - Columbia (1436003859B4)
- University of Missouri - Kansas City (EIN 1436003859A1)
- University of Missouri - St. Louis (EIN 1436003859B1)
- Missouri University of Science & Technology (EIN 1436003859A3)

Equipment means tangible personal property (including information technology systems) having a useful life of more than one year and a per-unit acquisition cost which equals or exceeds the lesser of the capitalization level established by the non-Federal entity for financial statement purposes, or $5,000.
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 Missouri System

(SIGNATURE)
Ryan D. Rapp
Vice President for Finance, Chief Financial Officer and Treasurer

(DATE) 7-28-20

ON BEHALF OF THE FEDERAL GOVERNMENT:
DEPARTMENT OF HEALTH AND HUMAN SERVICES

(SIGNATURE)
Arif M. Karim -S
(AGENCY)
Date: 2020.07.27 15:32:34 -05'00'

(Name)
Arif Karim
Director, Cost Allocation Services

(TITLE)
7/21/2020

(DATE) 7085

HHS REPRESENTATIVE:
Uyen Tran

Telephone:
(214) 767-3261
COMPONENTS OF PUBLISHED F&A COST RATE

INSTITUTION: University of Missouri System
FY COVERED BY RATE: July 1, 2021 through June 30, 2024
APPLICABLE TO: ORGANIZED RESEARCH

<table>
<thead>
<tr>
<th>RATE COMPONENT</th>
<th>FY 21 ON CAMPUS</th>
<th>FY 22 - 24 ON CAMPUS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Building Depreciation</td>
<td>4.3</td>
<td>4.8</td>
</tr>
<tr>
<td>Equipment Depreciation</td>
<td>3.0</td>
<td>3.3</td>
</tr>
<tr>
<td>Interest</td>
<td>0.4</td>
<td>0.6</td>
</tr>
<tr>
<td>Operation &amp; Maintenance</td>
<td>19.9</td>
<td>20.4</td>
</tr>
<tr>
<td>Library</td>
<td>1.4</td>
<td>1.4</td>
</tr>
<tr>
<td>Administration*</td>
<td>26.0</td>
<td>26.0</td>
</tr>
<tr>
<td>TOTAL</td>
<td>55.0</td>
<td>56.5</td>
</tr>
</tbody>
</table>


CONCURRENCE:

University of Missouri System
(Institution)

(Signature)

Ryan D. Rapp
(Name)
Vice President for Finance, Chief Financial Officer and Treasurer
(Title)

7-28-20
(Date)