
PURDUE GRADUATE STUDENT SENATE

RESOLUTION No. SP23 – B001



Bill Establishing After-Hours Shuttle Bus Service

Author(s): Somosmita Mitra, Antonia Susnjar

Sponsor(s): Imon Banerjee, Department of Statistics; Austin Blevins, Department of Earth Atmospheric and Planetary Sciences; Ricky Critchfield, School of Botany and Plant Pathology; Meghavin Bhatasana, School of Mechanical Engineering; Haseeb Daudzai, Department of Agricultural Economics; Utkuhan Genc, School of Industrial Engineering; Pragatheiswar Giri, School of Engineering Technology; Shantanu Gupta, School of Aviation and Transportation Technology; Sarah Innis, School of Animal Sciences; Anaël Kimble, School of Food Science; Amy Loviska, School of Human Development and Family Studies; Somosmita Mitra, School of Electrical and Computer Engineering; Oluwabunmi Ojo, Department of Veterinary Clinical Sciences; Agustin Quinones, School of Civil Engineering; Rohan Saini, School of Global Supply Chain and Management; Daniel Sinclair, School of Materials Engineering; Shayamal Singh, School of Physics and Astronomy; Mike Sserunjogi, School of Agricultural and Biological Engineering; Antonia Susnjar, Department of Interdisciplinary Biomedical Sciences; Camila Ulloa, Department of Horticulture and Landscape Architecture; Michael Zimmerman, School of Biomedical Engineering

WHEREAS, Every day, 32 people in the United States die in motor vehicle crashes that involve an alcohol-impaired driver. This is one death every 45 minutes. The annual cost of alcohol-related crashes totals more than \$44 billion;^{1,2} and

¹ <https://www.nhtsa.gov/risky-driving/drunk-driving>

² <http://www-nrd.nhtsa.dot.gov/pubs/812013.pdf>

WHEREAS, Indiana reports 4,931 misdemeanor Driving under influence (DUI) and 311 felony DUI citations in 2021;³ and

WHEREAS, There has been a rapid increase in alcohol-impaired driving cases, especially among the age groups commonly found in graduate school. The 21- to 24-year-old age group and the 25- to 34-year-old age group had the highest percentages (26% each) of alcohol-impaired drivers involved in fatal crashes compared to other age groups in 2020;⁴ and

WHEREAS, Reports released from Uber reveal 3,824 reports of the five most severe categories of sexual assault from 2019-2020 and 5,981 reports between 2017 and 2018;^{5,6} and

WHEREAS, The motor vehicle fatality rates connected with Uber platform in both 2019 and 2020 is about half the national average, it is not negligible;^{5,6} and

WHEREAS, Over 4,000 people were assaulted during Lyft rides from 2017-2019;⁷ and

WHEREAS, Graduate students spend more than 40 hours a week on their programme, and some are found working for 70 hours per week or more;⁸ and

WHEREAS, Some graduate courses run into late hours, and the unavailability of transportation leaves graduate students unable to take the course; and

WHEREAS, The Purdue Graduate Student Government and Graduate School's preliminary housing survey report, with 1266 respondents, shows that 41.1% face inadequate bus availability on weekends, and about 15% during late evenings and nights;⁹ and

WHEREAS, There is a clear need and demand for an after-hours shuttle bus service for graduate students (Exhibit "A");¹⁰ and

WHEREAS, Other universities have this service implemented after the day time service ends. At Johns Hopkins University, Night Ride is an on-demand, curb-to-curb service to

³ <https://www.in.gov/cji/traffic-safety/files/Indiana-Traffic-Safety-Annual-Report.-FY-2021.pdf>

⁴ <https://crashstats.nhtsa.dot.gov/Api/Public/ViewPublication/813294>

⁵ <https://uber.box.com/s/vkx4zgw6sxx2t2618520xt35rix022h>

⁶ https://www.uber-assets.com/image/upload/v1575580686/Documents/Safety/UberUSSafetyReport_201718_FullReport.pdf

⁷ https://assets.ctfassets.net/q8mvene1wzq4/4jxkFTH5YCQK8T96STULMd/4269e14dbcb8578f64da45df08b8147/Community_Safety_Report.pdf

⁸ <https://www.nature.com/articles/d41586-022-03394-0>

⁹ PGSG and Graduate school housing survey report <https://docs.google.com/document/d/1xZMa-sqrbsR267hS1xYqjkeQeFw9lXMSHpmFdd2om-c/edit?usp=sharing>

¹⁰ Raw data from Questionnaire available at https://purduegradstudents.com/wp-content/uploads/senate/legislation/assets/22-23/SP23-B001_TransportationQuestionnaire-RawData.csv

and from locations within the service area. Ride requests are accepted beginning at 6:00 pm. Ride requests submitted before 2:00 am are confirmed to be honored;^{11,12,13,14,15} and

WHEREAS, The CityBus services do not operate over holidays and cease to be operational after 6 pm. on Saturdays and Sundays;¹⁶ and

WHEREAS, The scarcity of transportation over summer, holidays and weekends causes undue hassle to graduate students;⁹ and

WHEREAS, PhD and Masters students have non-conventional work hours that are not sufficiently supported by the current bus system at Purdue and a lot of them do not have personal transportation; and

WHEREAS, The safety and wellbeing of graduate students is a part of PGSG’s commitment to being the advocating and legislative voice of the Purdue graduate student body.

NOW, THEREFORE, BE IT ENACTED, That the Purdue Graduate Student Government calls for the establishment of an After Hours Shuttle Bus service.

BE IT FURTHER ENACTED, That PGSG will contribute \$14,456 to Lafayette Limo for a trial basis from February to April 2023 to run a shuttle service on the route attached as Exhibit “B”, based on the contract attached as Exhibit “C” and Exhibit “D”:

- Running a shuttle service on Friday nights from 12 am to 2 am along the paths highlighted on the map in Exhibit “B”- Quote attached in Exhibit “D”. \$500 for Friday.
- Running a shuttle service on Saturdays from 7:30 pm to 1 am along the paths highlighted on the map in Exhibit “B”- Quote attached in Exhibit “C”. \$612 for one Saturday.
- This would run as a continuous loop (available every 45 minutes) along the map attached in Exhibit “B.”
 - Total cost for February: $(\$612 + \$500) \times 4 = \$4,448$
 - Total cost for March: $(\$612 + \$500) \times 5 = \$5,560$
 - Total cost for April: $(\$612 + \$500) \times 4 = \$4,448$
 - Total cost: \$14,456;

¹¹ https://ts.jhu.edu/Shuttles/Night_Ride/

¹² <https://www.baylor.edu/dps/index.php?id=973239>

¹³ <https://ltp.umich.edu/campus-transit/after-hours/>

¹⁴ <https://www.sjf.edu/services/safety-and-security/shuttles-and-transportation/>

¹⁵ <https://www.nyu.edu/life/travel-and-transportation/university-transportation/Transportation-FAQs.html>

¹⁶ <https://bus.gocitybus.com>

BE IT FURTHER ENACTED, That PGSG will assess the effectiveness of this service between this trial period and if successful, will submit another bill to tender contracts for an extended trial period covering until July 2023.

BE IT FURTHER ENACTED, That PGSG asks Purdue Graduate School to fund this on a more permanent basis.

BE IT FURTHER ENACTED, That PGSG asks Purdue Transportation Services to engage in conversation with CityBus regarding the proposed after-hours service and modify their contract as needed.

BE IT FURTHER ENACTED, That PGSG asks CityBus to look into graduate student demand and work towards a bus route running through the same.

BE IT FURTHER ENACTED, That PGSG asks CityBus to increase the frequency and extend the duration of their bus services over the Summer term and the weekend.

PASSED, APPROVED, AND ENACTED 25th day of January 2023.

DocuSigned by:

B5016D7B004B4A7...
President, PGSG

DocuSigned by:

9A293462337E40F...
Senate Chair, PGSS

Certification

I, Mary Brown, Senate Clerk of the Purdue Graduate Student Senate, do hereby certify that the foregoing resolution was regularly passed and adopted by the Purdue Graduate Student Senate of Purdue University, at a regular meeting thereof held on the 25th day of January 2023 by the following vote:

AYES (49): Agricultural and Biological Engineering - Mike Sserunjogi
Agricultural Economics - Haseeb Daudzai
Agricultural Sciences Education and Communication - Bryanna Nelson
Animal Sciences - Sarah Innis
Aviation and Transportation Technology - Shantanu Gupta
Basic Medical Sciences - Siyuan Sun
Biochemistry - Steven McKenzie
Biological Sciences - Morgan Chaney
Biomedical Engineering - Michael Zimmerman
Botany and Plant Pathology - Ricky Critchfield
Chemical Engineering - Annie Sun
Chemistry - Solita Wilson
Civil Engineering - Agustin Quinones
Communication - Savannah Meier
Comparative Literature - Marisa J Bryans
Computer Science - Jacob White
Curriculum and Instruction - Theodora Amuah
Doctor of Veterinary Medicine (DVM) - Alaunie Smiley
Earth, Atmospheric, and Planetary Sciences - Austin Blevins
Ecological Sciences and Engineering (ESE) - Neha Shakelly
Economics - Talha Cakir
Educational Studies - Stephanie Contreras
Electrical and Computer Engineering - Somosmita Mitra
Engineering Education - Barbara Fagundes
Engineering Technology - Pragatheiswar Giri
English - Christopher Barber
Environmental and Ecological Engineering - Aliya Edhe (Acting Senator)
Food Science - Anaël Kimble
Forestry and Natural Resources - Ken Yao Chong
Health Sciences - Sydney Stradtman
History - Secret Permenter
Horticulture and Landscape Architecture - Camila Ulloa Gomez
Hospitality and Tourism Management - Rachel Zhang
Human Development and Family Studies - Amy Loviska
Industrial Engineering - Utkuhan Genc
Interdisciplinary Biomedical Sciences (IBSC) - Antonia Susnjar

Languages and Cultures - Santiago Parra Giraldo
Materials Engineering - Daniel Sinclair
Mechanical Engineering - Meghavin Bhatasana
Nuclear Engineering - Stepan Ozerov
Nutrition Science - Julia Choi
Philosophy - Mary Brown
Physics and Astronomy - Aashish Poudel (Acting Senator)
Political Science - Matthew Ellis
Public Health - Sidney Smith
Purdue University Interdisciplinary Life Sciences (PULSe) - Lauren Wilbanks
Speech, Language, and Hearing Sciences - Brooke Rodgers
Statistics - Sagar Ksheera (Acting Senator)
Technology, Leadership, and Innovation - Ralph Rivera

NAYS (0):

ABSENT (7): Agronomy - Binod Gyawali
Anthropology - Olivia Palepoi
Global Supply Chain Management - Rohan Saini
Industrial and Physical Pharmacy - Pradnya Prakash Bapat
Management - Arindam Roy Chowdhury
Mathematics - Benjamin Mudrak
Veterinary Clinical Sciences - Ojo Oluwabunmi T.

ABSTAINED (1): Sociology - Reilly Kincaid

IN WITNESS WHEREOF, I have hereunto set my hand this 7th day of February 2023.

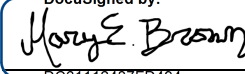
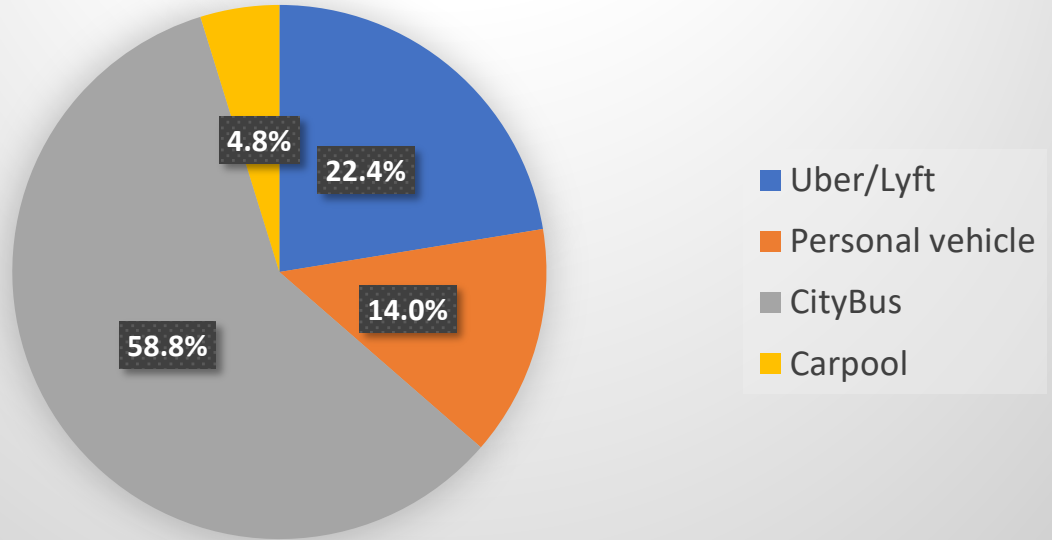
DocuSigned by:

DC81112437FD494...
Senate Clerk, PGSS

EXHIBIT "A"

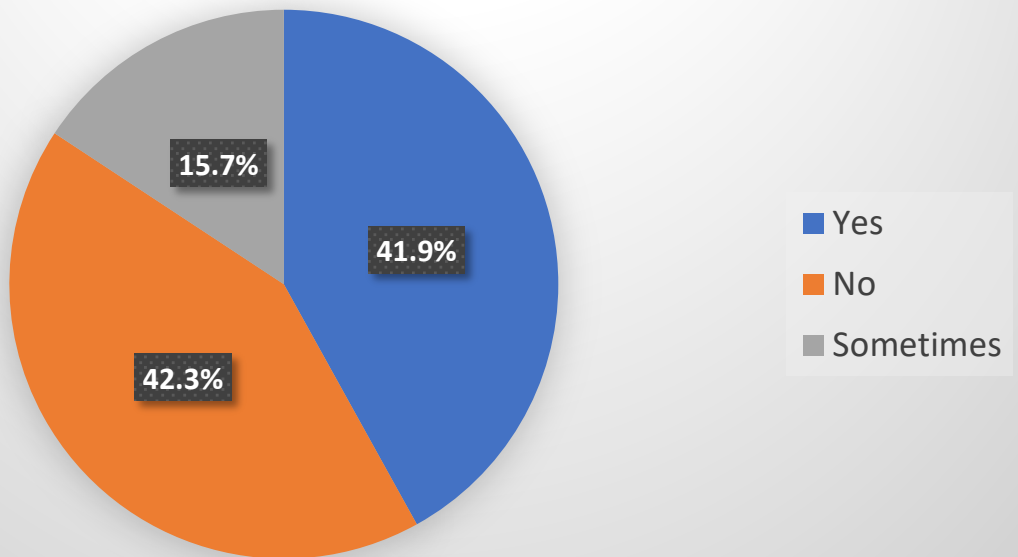
**SUMMARY OF DATA FROM QUESTIONNAIRE ON LATE NIGHT
TRANSPORTATION**

[SEE ATTACHED FOUR (4) PAGES]

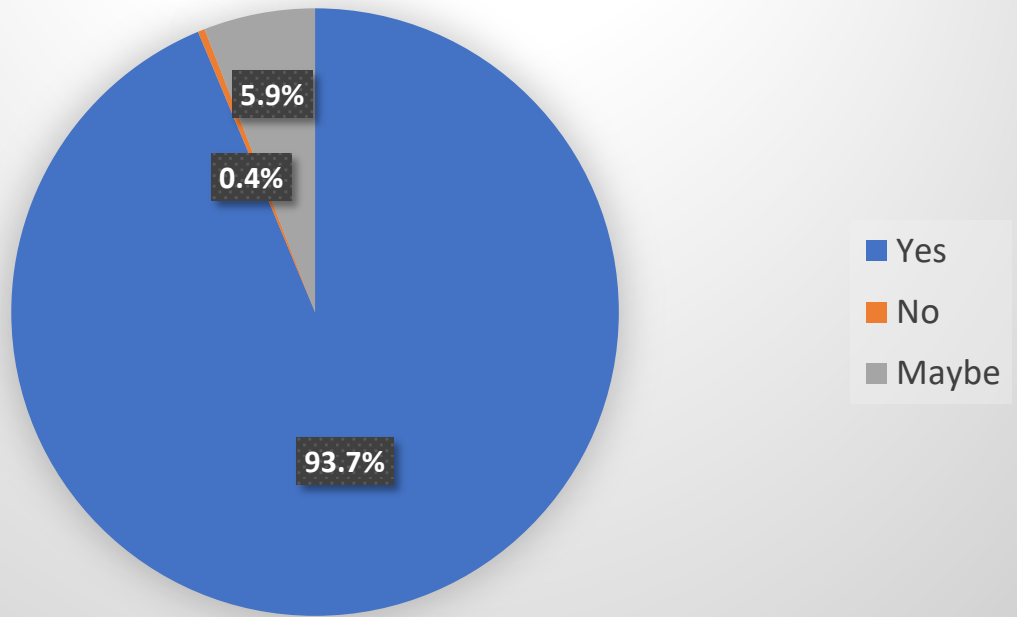
Q1: When you go out on the weekend what means of transportation do you use?



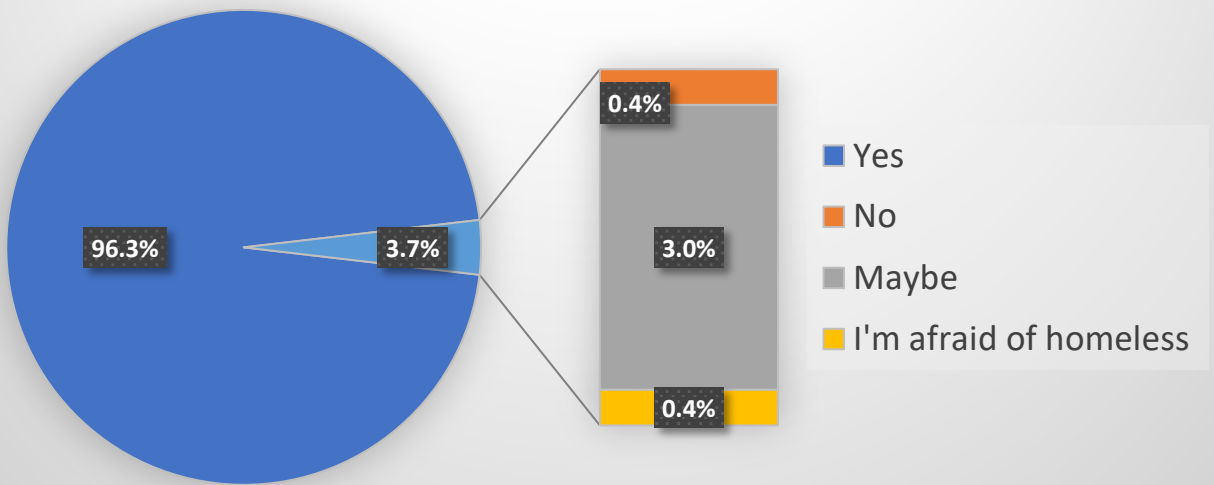
Q2: Do you ever drive to a party but return home with Uber/Lyft?

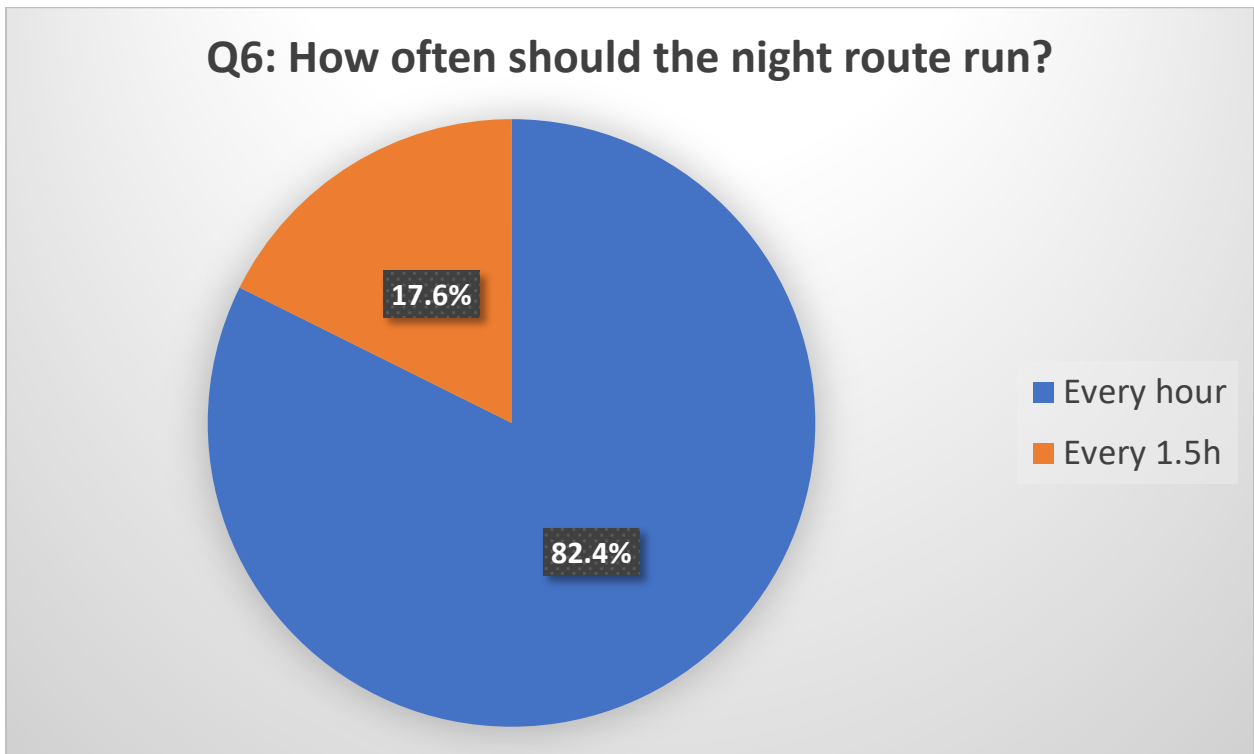
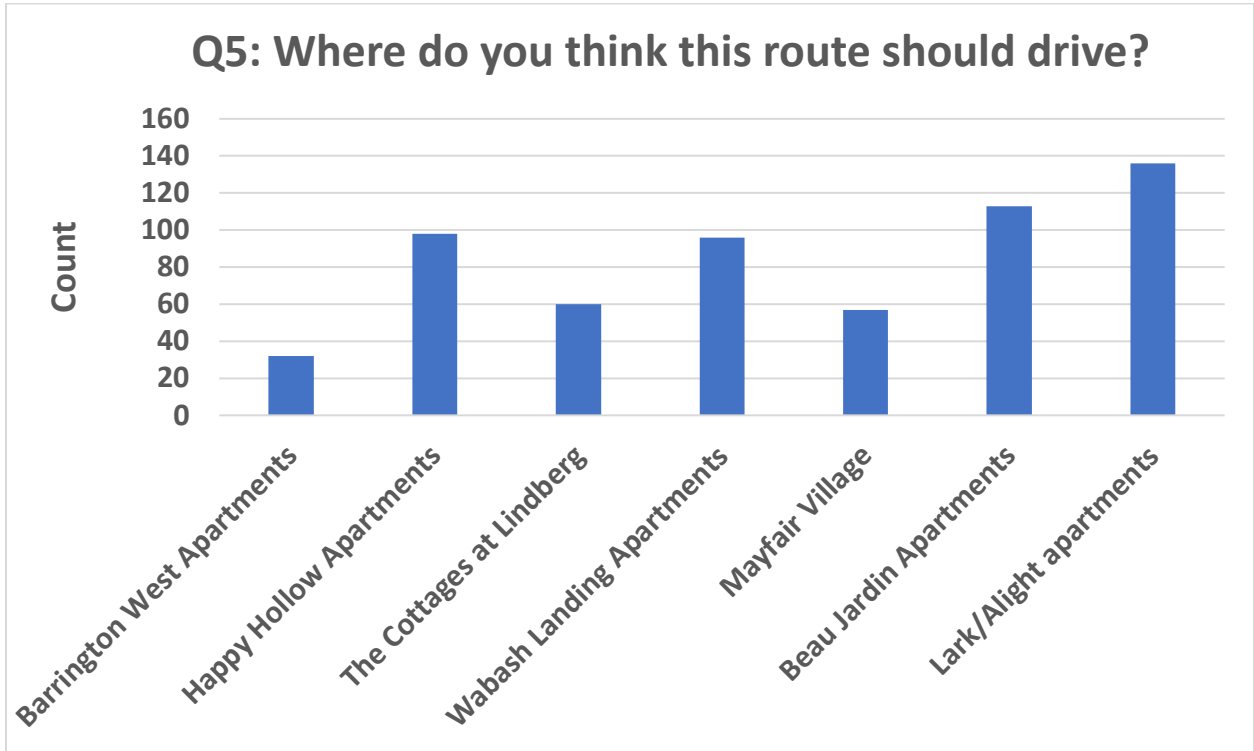


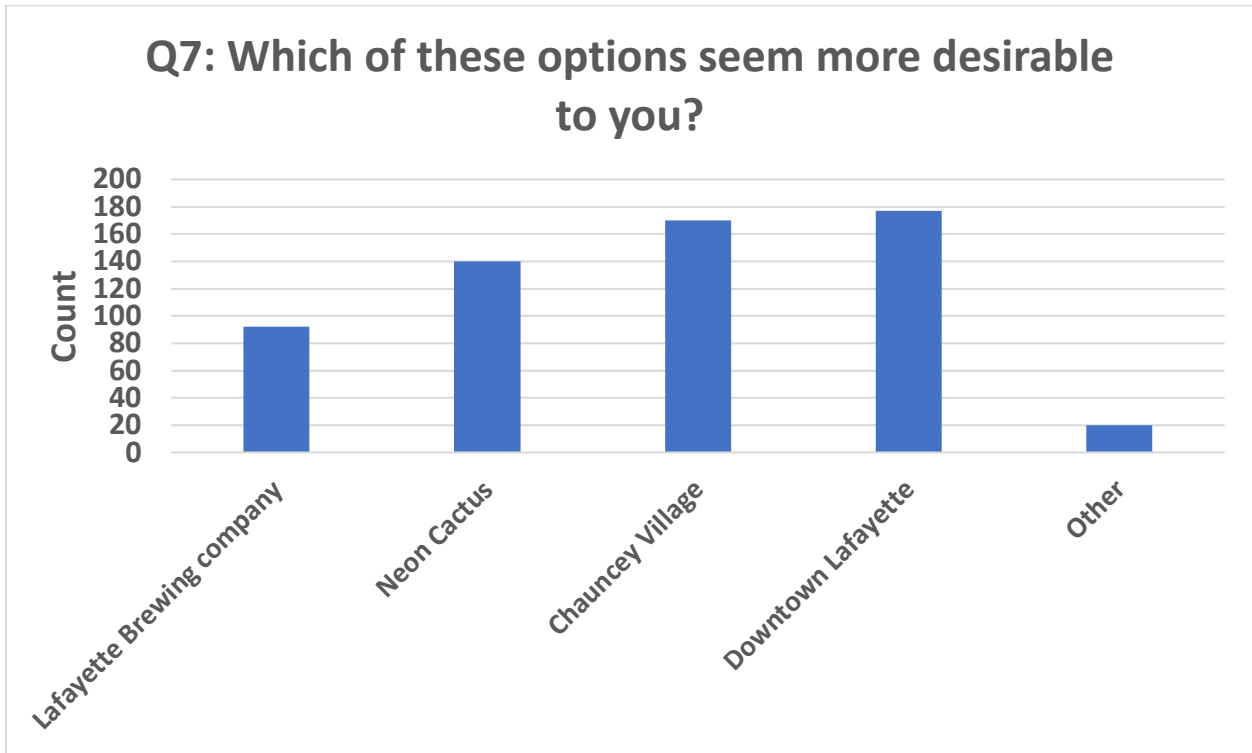
Q3: Do you think Uber/Lyft is too expensive?



Q4: Would you use late night bus route if one is available?







Q7: Do you Have any recommendations/suggestions for us?

Open response question. Data can be found in raw data as cited in legislation, Footnote (9).

Q8: Which holidays have you felt particularly inconvenienced by lack of public transportation?

Open response question. Data can be found in raw data as cited in legislation, Footnote (9).

¹⁷ Please see raw data for Answers in "Other"

EXHIBIT “B”

THE PROPOSED ROUTE

[SEE ATTACHED ONE (1) PAGE]

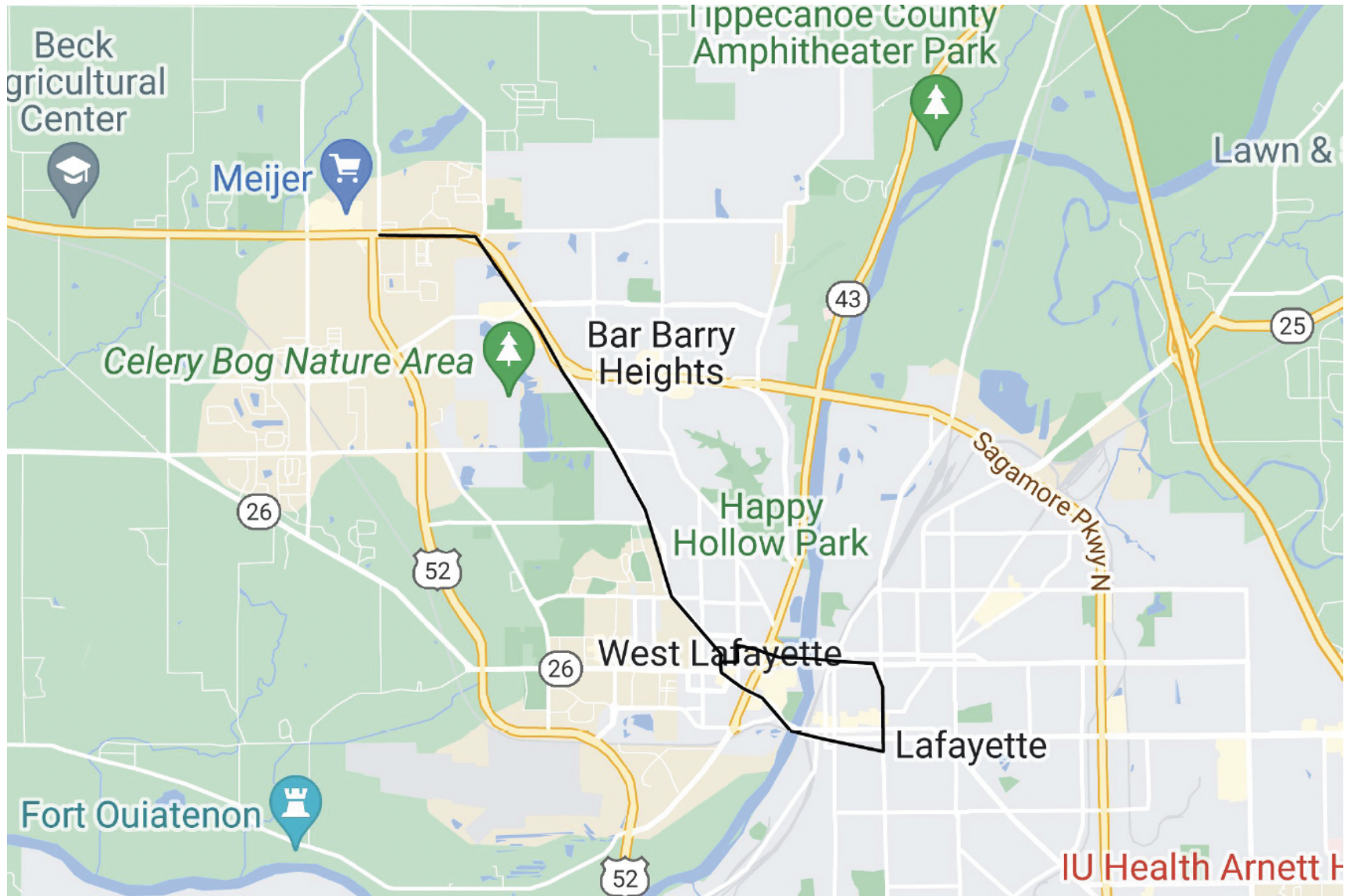


EXHIBIT "C"

QUOTES FROM LAFAYETTE LIMO

[SEE ATTACHED TWO (2) PAGES]

Lafayette Limo, Inc.

Page: 1

2525 Klondike Rd.
West Lafayette, IN 47906
765-497-3828
(Fax: 765-497-4106)
www.lafayettelimo.com

Quote

Purdue Graduate Student Govt-Antonia
Antonia Susnjar
504 Northwestern Ave
West Lafayette, IN 47906

Quote # Q26942

Date Printed: Friday, December 16, 2022
PO #:
Group Name:
Phone: 765-496-0400 Fax:
Salesperson: Allie Rivers
Salesperson Email: charters@lafayettelimo.com
Customer Email: asusnjar@purdue.edu

		Time	Date	# Vehicles	Description	Total Capacity
Pickup	West Lafayette, IN	7:30pm	2/4/2023	1	1-20 Pax Exec Bus	20
			Note:		Continuous Shuttle Loop	
Dropoff	Lafayette, IN		2/4/2023			20
			Note:		Continuous Shuttle Loop	
Pickup	Lafayette, IN		2/5/2023			20
			Note:		Continuous Shuttle Loop	
Dropoff	West Lafayette, IN	1:00am	2/5/2023			20
			Note:		Final Stop	

Cost of Charter: \$ 612.00

Itinerary: Gratuity and WIFI included.

Parking fees are the groups responsibility.
This vehicle is equipped with a TV/DVD/CD/PA and WIFI system.

- ^Coach/Bus/Van/Car Rental
- ^A \$100.00 deposit is due at the time of booking. This deposit is non refundable if the trip is canceled less than ^30 days in advance. Signed contract, day of itinerary, and ^final payment is due no later that 7 days prior to trip ^date. Client or member of client party must release the ^driver from service with a signature and time at the end ^of trip. If not released any applicable overage fees will ^be based off of the drivers time card. Trips canceled less

When paying with a credit card or check you must include a photo ID.

THIS IS A CHARTER QUOTE. CALL OUR OFFICES TO CONFIRM YOUR QUOTE.

****** SMOKING IS PROHIBITED AT ALL TIMES ON THE VEHICLES ******

YOUR COST IS BASED ON THE SERVICES DETAILED ABOVE AND IS SUBJECT TO CHANGE IN ACCORDANCE WITH YOUR ACTUAL ITINERARY. THIS COMPANY RESERVES ITS RIGHT TO LEASE EQUIPMENT FROM OTHER COMPANIES IN ORDER TO FULFILL THIS AGREEMENT. THIS COMPANY SHALL NOT BE LIABLE FOR ITEMS LEFT ON THE VEHICLE OR LOSS OF TIME DUE TO MECHANICAL FAILURE OR INCLEMENT WEATHER. WE CANNOT GUARANTEE THE ASSIGNMENT OF REQUESTED DRIVERS OR VEHICLES. A SIGNED CONTRACT AND DEPOSIT WILL CONFIRM YOUR RESERVATION AND ACKNOWLEDGE YOUR ACCEPTANCE OF THIS AGREEMENT.

Signature _____ Date _____

Lafayette Limo, Inc.

Page: 2

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Group Name:
Phone: 765-496-0400 Fax:
Salesperson: Allie Rivers
Salesperson Email: charters@lafayettelimo.com
Customer Email: asusnjar@purdue.edu

- ^than 7 days prior to trip date are non-refundable.
- ^Luxury Limousine Rental
- ^A 50% non refundable deposit is due at the time of booking.
- ^Signed contract, day of itinerary, and final payment is due
- ^no later than 7 days prior to trip date. Client or member
- ^of client party must release the driver from service with a
- ^signature and time at the end of trip. If not released any
- ^applicable overage fees will be based off of the drivers
- ^time card. Trips canceled less than 7 days prior to trip
- ^date are non-refundable.
- ^Overages/Additional Charges
- ^Client will be charged a per hour rate for vehicle usage
- ^over the contracts specified times. Overages must be paid
- ^in full no later than 30 days from the trip date. Unpaid
- ^balances of more than 30 days from trip date will have a 3%
- ^fee added monthly to the balance. Open unpaid accounts
- ^will be sent to collections after 90 days from trip date.
- ^Clean up Fee: \$100.00 per vehicle
- ^Excessive Cleaning Fee: \$100.00 per vehicle
- ^Sick/Vomit Fee: \$100.00 per occurrence
- ^Damage Fee: per In House Estimate

EXHIBIT "D"

QUOTES FROM LAFAYETTE LIMO

[SEE ATTACHED TWO (2) PAGES]

Lafayette Limo, Inc.

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Quote

Purdue Graduate Student Govt-Antonia
Antonia Susnjar
504 Northwestern Ave
West Lafayette, IN 47906

Quote # Q26941

Date Printed: Friday, December 16, 2022
PO #:
Group Name:
Phone: 765-496-0400 Fax:
Salesperson: Allie Rivers
Salesperson Email: charters@lafayettelimo.com
Customer Email: asusnjar@purdue.edu

		Time	Date	# Vehicles	Description	Total Capacity
Pickup	West Lafayette, IN	11:59pm	2/3/2023	1	1-20 Pax Exec Bus	20
			Note:		Continuous Shuttle Loop	
Dropoff	Lafayette, IN		2/3/2023			20
			Note:		Continuous Shuttle Loop	
Pickup	Lafayette, IN		2/4/2023			20
			Note:		Continuous Shuttle Loop	
Dropoff	West Lafayette, IN	2:00am	2/4/2023			20
			Note:		Final Stop	

Cost of Charter: \$ 500.00

Itinerary: Gratuity and WIFI included.

Parking fees are the groups responsibility.
This vehicle is equipped with a TV/DVD/CD/PA and WIFI system.

- ^Coach/Bus/Van/Car Rental
- ^A \$100.00 deposit is due at the time of booking. This
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When paying with a credit card or check you must include a photo ID.

THIS IS A CHARTER QUOTE. CALL OUR OFFICES TO CONFIRM YOUR QUOTE.

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YOUR COST IS BASED ON THE SERVICES DETAILED ABOVE AND IS SUBJECT TO CHANGE IN ACCORDANCE WITH YOUR ACTUAL ITINERARY. THIS COMPANY RESERVES ITS RIGHT TO LEASE EQUIPMENT FROM OTHER COMPANIES IN ORDER TO FULFILL THIS AGREEMENT. THIS COMPANY SHALL NOT BE LIABLE FOR ITEMS LEFT ON THE VEHICLE OR LOSS OF TIME DUE TO MECHANICAL FAILURE OR INCLEMENT WEATHER. WE CANNOT GUARANTEE THE ASSIGNMENT OF REQUESTED DRIVERS OR VEHICLES. A SIGNED CONTRACT AND DEPOSIT WILL CONFIRM YOUR RESERVATION AND ACKNOWLEDGE YOUR ACCEPTANCE OF THIS AGREEMENT.

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