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## **Lateral Control**

### **(Pre-Drive) Knowledge/Experience Questionnaire**

The questions listed below are representative of the types of questions we intend to ask during this portion of the study. Revisions are anticipated during continued preparations and piloting, ahead of data collection.

1. Please indicate the make, model, and year of your primary vehicle (the vehicle you drive most often).
  - a. Make:
  - b. Model:
  - c. Year:
2. What is your estimated annual driving mileage?
  - a. Less than 5000 miles
  - b. Between 5000 and 7500 miles
  - c. Between 7501 and 10,000 miles
  - d. Between 10,001 and 12,500 miles
  - e. Between 12,501 and 15,000 miles
  - f. Between 15,001 and 17,500 miles
  - g. Between 17,501 and 20,000 miles
  - h. More than 20,000 miles
3. Please rate the following roadways in order of how much you drive on them (1, 'most often' through 4, 'least often'; circle numbers 1-4 only once):
  - a. Rural, two-lane roadways [1 2 3 4]
  - b. Urban/Suburban Streets [1 2 3 4]
  - c. Local limited access roadways [1 2 3 4]
  - d. Interstate roadways [1 2 3 4]

4. Please indicate which of the following features, if any, you have on your primary vehicle (the vehicle you drive most often):

- a. Forward Collision Warning
- b. Automatic Emergency Braking
- c. Adaptive Cruise Control
- d. Rearview Camera System
- e. Rear Cross Traffic Alert
- f. Blind Zone Alert
- g. Lane Departure Warning
- h. Lane Keep Assist
- i. Lane Centering
- j. None of the above

5. Please indicate which of the following features, if any, you have ever personally used:




- a. Forward Collision Warning
- b. Automatic Emergency Braking
- c. Adaptive Cruise Control
- d. Rearview Camera System
- e. Rear Cross Traffic Alert
- f. Blind Zone Alert
- g. Lane Departure Warning
- h. Lane Keep Assist
- i. Lane Centering
- j. None of the above

6. How often do you use/experience the features indicated above? (Indicate for each)

Feature	Annually	Monthly	Weekly	Daily	Never	Not Applicable (don't have)
Forward Collision Warning						
Automatic Emergency Braking						
Adaptive Cruise Control						
Rearview Camera System						
Rear Cross Traffic Alert						
Blind Zone Alert						

Lane Departure Warning						
Lane Keep Assist						
Lane Centering						
Forward Collision Alert						

7. If the following notifications were issued while driving, what information would you think they are intending to convey?

- a.  \_\_\_\_\_
- b.  \_\_\_\_\_
- c.  \_\_\_\_\_

If your primary vehicle is equipped with a Lane Departure Warning feature, please answer the following questions:

8. Explain what you understand the purpose of this feature to be and how it works:

9. Do you turn this feature off? (circle one)

- a. Never
- b. Sometimes
- c. Always

10. If you turn the feature off sometimes or always, explain why.

11. What is the procedure for disabling Lane Departure Warnings in your primary vehicle?

- Button on the dashboard
- Menu item (instrument cluster or center stack)
- Not sure

12. Does your vehicle provide any notifications related to Lane Departure Warnings? If so, please indicate modality (auditory, visual, vibration), and briefly describe approach.

- a. Auditory
  - i. If yes, please explain
- b. Visual
  - i. If yes, please explain
- c. Vibration
  - i. If yes, please explain

13. I like the Lane Departure Warning feature in my primary vehicle.

1	2	3	4	5	6	7
Strongly Disagree			Neutral			Strongly Agree

- a. If you answered 3 or below, please describe what you dislike about the Lane Departure Warning feature in your primary vehicle.

14. I like the notifications provided by the Lane Departure Warning feature in my primary vehicle.

1	2	3	4	5	6	7
Strongly Disagree			Neutral			Strongly Agree

- a. If you answered 3 or below, please describe what you dislike about the notifications provided by the Lane Departure Warning feature in your primary vehicle.

15. My preferred Lane Departure Warning would be... (circle all that apply; and for each, specify what type of notification you prefer)

- a. Auditory
  - i. Type:
- b. Visual
  - i. Type:
- c. Vibration
  - i. Type:

16. What else would you like to tell us about the Lane Departure Warning feature in your primary vehicle?

If your primary vehicle is equipped with a Lane Keep Assist feature, please answer the following questions:

17. Explain what you understand the purpose of this feature to be and how it works:

18. Do you turn this feature off? (circle one)

- a. Never
- b. Sometimes
- c. Always

19. If you turn the feature off sometimes or always, explain why.

20. What is the procedure for disabling Lane Keep Assist in your primary vehicle?

- a. Button on the dashboard
- b. Menu item (instrument cluster or center stack)
- c. Not sure

21. Does your vehicle provide any notifications related to Lane Keep Assist? If so, please indicate modality (auditory, visual, vibration), and briefly describe approach.

- a. Auditory
  - i. If yes, please explain

- b. Visual
  - i. If yes, please explain
- c. Vibration
  - i. If yes, please explain

22. I like the Lane Keep Assist feature in my primary vehicle.

1	2	3	4	5	6	7
Strongly Disagree			Neutral			Strongly Agree

b. If you answered 3 or below, please describe what you dislike about the Lane Departure Warning feature in your primary vehicle

23. I like the notifications provided by the Lane Keep Assist feature in my primary vehicle.

1	2	3	4	5	6	7
Strongly Disagree			Neutral			Strongly Agree

c. If you answered 3 or below, please describe what you dislike about the notifications provided by the Lane Departure Warning feature in your primary vehicle.

24. My preferred Lane Keep Assist notification would be... (circle all that apply; and for each, specify what type of notification you prefer)

- a. Auditory
  - i. Type:
- b. Visual
  - i. Type:
- c. Haptic
  - i. Type:

25. What else would you like to tell us about the Lane Keep Assist feature in your primary vehicle?

