

MHA Drone Project Perceptions

Start of Block: Consent

Informed consent THE UNIVERSITY OF NORTH DAKOTA CONSENT TO PARTICIPATE IN RESEARCH **Title:** MHA Drone Project **Project Directors:** Sheila Hanson, Thomasine Heitkamp **Assessment Staff:** Rylee Dahlen, Eliana Malnourie **School/Department:** Institute of Policy & Business Analytics **Purpose of Study:** Given that there is only 1 bridge connecting 6 segments at MHA Nation, the MHA Drone Project, has been working on delivering life-saving meds using drones to serve the citizens of MHA Nation. The purpose of this survey is to determine community perceptions and needs for future use of drones. We appreciate you taking the time to tell us what you think! You will be asked to fill out an online questionnaire related to drone use. You will also be asked to answer a series of demographic questions as well. Participation will take about 5-10 minutes and you can complete the online survey all at once or stop and return to finish as you have time. **Risks:** There are no foreseeable risks to participating beyond what you encounter in daily life. **Benefits:** You might learn more about your perceptions of drones by participating in this study. You may choose not to participate or you may discontinue your participation at any time without penalty or loss of benefits to which you are otherwise entitled. Your decision whether or not to participate will not affect your current or future relations with the University of North Dakota. **Project Information:** The project staff are Rylee Dahlen, Eliana Malnourie, Thomasine Heitkamp, and Sheila Hanson. This project is funded by the United States Department of Transportation. If you have questions, concerns, or complaints about the research please contact Sheila Hanson by email: sheila.hanson@und.edu or by phone at 701.777.5507. If you have questions regarding your rights as a research subject, or if you have any concerns or complaints about the research, you may contact the University of North Dakota Institutional Review Board at (701) 777-4279. Please also call this number if you cannot reach research staff or if you wish to talk with someone else. General information about being a research subject can be found on the Institutional Review Board website "Information for Research Participants" <http://und.edu/research/resources/human-subjects/research-participants.cfm> **Statement of Confidentiality:** We will not be collecting your name and so your responses will be completely anonymous. In any sort of report that might be published, responses will be pooled. All survey responses that we receive will be treated confidentially and stored on a secure server. However, given that the surveys can be completed from any computer (e.g., personal, work, school), we are unable to guarantee the security of the computer on which you choose to enter your responses. As a participant in our study, we want you to be aware that certain software programs exist that may track or capture data that you enter and/or websites that you visit. **Time:** Most people complete the study in around 5-10 minutes. **Compensation:** There is no compensation for your completion of this survey. **Voluntary Participation:** You do not have to participate in this research. You can stop your participation at any time. You may refuse to participate or choose to discontinue participation at any time without losing any benefits to which you are otherwise entitled. You must be 18 years

of age older to consent to participate in this research study. Completion and return of the survey implies that you have read the information in this form and consent to participate in the research. Please keep this information for your records or future reference. By clicking the circle labeled "I consent" you are indicating that you agree to take part in this research study.

☐ I consent (1)

End of Block: Consent

Start of Block: Survey

Q1 1. You may have heard about the work of the team on the MHA Drone Project. If so, how familiar are you?

- ☐ Very familiar (1)
 - ☐ Somewhat familiar (2)
 - ☐ Not very familiar (3)
 - ☐ Never heard of it before now (5)
 - ☐ Other, please describe (6)
-

Q2 2. Drones are unmanned aerial vehicles that can be remotely controlled and move automatically. To what extent do you know about drones?

- ☐ Very knowledgeable (1)
 - ☐ Somewhat knowledgeable (2)
 - ☐ Gathering knowledge (3)
 - ☐ Not very knowledgeable (4)
 - ☐ Not at all knowledgeable (5)
 - ☐ Other, please describe (6)
-

Q3 3. Given that there is only 1 bridge connecting 6 segments at MHA Nation, the MHA Drone Project, has been working on delivering life-saving meds using drones to serve the citizens of MHA Nation. What level of support do you have for the MHA Drone Project?

- ☐ Strongly support (1)
 - ☐ Somewhat support (3)
 - ☐ Unsure (4)
 - ☐ Not much support (5)
 - ☐ Do not support (6)
 - ☐ Other, please describe (8)
-

Q4 4. Drones are already used for a number of tasks, and there are plans to use drones in more contexts in the coming years. What is your immediate position on the use of drones in the following areas:

	Very positive (1)	Positive (2)	Neutral (3)	Negative (4)	Very negative (5)
Rescue work (example: searching for persons in distress) (1)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Police work, e.g. for traffic monitoring and monitoring and management of accident sites (2)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Construction work, e.g. for surveying plots and construction (3)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Agriculture, e.g. for monitoring animals and crops in fields (4)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Delivery of healthy food (5)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Identifying and protecting Tribal artifacts, sacred sites (6)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Measuring soil coverage in grasslands (7)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Q5 5. To what extent do you support the use of drones for the following tasks in the health field?

	Very positive (1)	Positive (2)	Neutral (3)	Negative (4)	Very negative (5)
Medicine delivery (1)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Blood sample delivery (2)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Delivery of debrillator equipment to restart heart (3)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Medication delivery to reverse drug overdose (4)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Vaccine delivery (5)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Q6 6. To what extent do you support the use of drones in the following locations?

	Very positive (1)	Positive (2)	Neutral (3)	Negative (4)	Very negative (5)
Delivery to patient homes (1)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Delivery between segments at MHA Nation (2)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Delivery between MHA Nation and nearby locations (e.g., Minot and Bismarck) (3)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Q7 7. Are there any comments that you would like to share with us about the need for drones at MHA Nation?

Q8 What segment or location do you most closely identify with?

- ☐ North (New Town) (1)
 - ☐ South (Twin Buttes) (2)
 - ☐ East (White Shield) (3)
 - ☐ West (Mandaree) (4)
 - ☐ Northeast (Parshall) (5)
 - ☐ Four Bears (6)
 - ☐ Bismarck (7)
 - ☐ Other location, please list: (8)
-

Q9 Please indicate your age in years.

- ☐ 18-29 (1)
- ☐ 30-39 (2)
- ☐ 40-49 (3)
- ☐ 50-59 (4)
- ☐ 60-69 (5)
- ☐ 70-79 (6)
- ☐ 80-90+ (7)

End of Block: Survey

Start of Block: Thank you

Thank you! Thank you for completing this survey! To learn more about the MHA Drone Project, please visit this Facebook page:
<https://www.facebook.com/profile.php?id=61562903694677> If you would like to visit with project staff about the project, please contact Sheila Hanson, sheila.hanson@und.edu or Thomasine Heitkamp, thomasine.heitkamp@und.edu

End of Block: Thank you
