



Expedited Approval for NPS- Sponsored Public Surveys

1. Project Title | Grand Teton National Park Non-Motorized Survey 2010 | June 2, 2010
Submission Date:

2. Abstract: Goals of this survey are to learn about non-motorized visitors' trip characteristics and perceptions and to assist park management with issues related to the new non-motorized facilities in the park. Grand Teton National Park's (GRTE) main transportation corridors were designed primarily for motor vehicle travel. In 2008 and 2009, a 7.7-mile segment of paved multi-use pathways separate from the roadway was built. The pathways will be used by bicyclists, pedestrians, and other non-motorized travelers along Teton Park Road, representing a major change to the park's infrastructure. This survey will be administered to GRTE non-motorized travelers along the new pathways and the adjacent Teton Park roadway.
(not to exceed 150 words)

3. Principal Investigator Contact Information

First Name: Pat | Last Name: McGowen

Title: Assistant Professor

Affiliation: Western Transportation Institute

Street Address: Montana State University, 214 Cobleigh

City: Bozeman | State: MT | Zip code: 59717

Phone: 406-994-6529 | Fax: 406-994-6105

Email: patm@coe.montana.edu

4. Park or Program Liaison Contact Information

First Name: Margaret | Last Name: Wilson

Title: Environmental Planning & Compliance

Park: Grand Teton National Park

Park Office/Division: Planning and Compliance

Street Address: Park P.O. Drawer 170

City: Moose | State: WY | Zip code: 83012

Phone: 307.739.3390 | Fax: 307.739.3438

Email: Margaret_Wilson@nps.gov

Project Information

5. Park(s) For Which Research is to be Conducted:
6. Survey Dates: (mm/dd/yyyy) to (mm/dd/yyyy)
7. Type of Information Collection Instrument (Check ALL that Apply)
- Mail- Back Questionnaire On- Site Questionnaire Face- to- Face Interview Telephone Survey Focus Groups
- Other (explain)
8. Survey Justification: (Use as much space as needed; if necessary include additional explanation on a separate page.)
- Social science research in support of park planning and management is mandated in the *NPS Management Policies 2006* (Section 8.11.1, "Social Science Studies"). The NPS pursues a policy that facilitates social science studies in support of the NPS mission to protect resources and enhance the enjoyment of present and future generations (National Park Service Act of 1916, 38 Stat 535, 16 USC 1, et seq.). NPS policy mandates that social science research will be used to provide an understanding of park visitors, the nonvisiting public, gateway communities and regions, and human interactions with park resources. Such studies are needed to provide a scientific basis for park planning, development.
- Background and Literature Review. The 2006 Transportation Plan for Grand Teton National Park (GRTE) proposed 22.5 miles of multi-use pathways for non-motorized travelers. The first 7.7 miles of pathways between Dornan's and South Jenny Lake, completed in 2009, represents a major change to the park's infrastructure. This survey data will be collected from non-motorized travelers using the pathway and adjacent roadway corridor to help park managers understand issues associated with the new infrastructure and document visitors' perceptions of their park experiences.
- Recent visitor surveys completed in GRTE include a Visitor Services Project survey (OMB 1024-0224, NPS 08-131) completed in July 2008. This was a general visitor survey. Non-motorized traveler counts and visitor transportation surveys were completed in GRTE in 2007 (Gleason and McGowen, 2009) to learn about travel patterns and visitors perceptions prior to pathway construction (OMB 1024-0224, NPS07-043). None of these surveys contained information related to non-motorized traveler use on the newly constructed pathways. There have not been any visitor surveys to collect data on pathway travelers' since pathways were completed in 2009. This proposed 2010 survey will be the first to collect such data.
- References Cited:
Gleason, R. and McGowen, P. (2009). Evaluation of Non-Motorized use in Grand Teton National Park Phase I: Pre-Pathway. Project report prepared for Grand Teton National Park, Bozemen, MT: Western Transportation Institute.
- Social Science Program, NPS, Visitor Services Project, Grand Teton National Park Visitor Study Summer 2008, Park Studies Unit, Visitor Services Project, Report 206.
9. Survey Methodology: (Use as much space as needed; if necessary include additional explanation on a separate page.)
- (a) Respondent universe: GRTE visitors (age 18 and older) who are traveling by a non-motorized mode on Teton Park Road and the adjacent pathways between Dornan's and South Jenny Lake Junction during July and August 2010. The sampling unit is a group of visitors (such as family or friends traveling together).
- (b) Sampling plan/procedures: Two sampling periods are planned for summer 2010, both from Friday through Sunday. Survey data will be collected for 8 hours during the peak periods at intervals throughout the daylight hours near South

Jenny Lake Junction, Taggart Lake parking lot, and near the Craig Thomas Discovery and Visitor Center area. Two groups of 2 researchers each will distribute surveys to non-motorized travelers. Most non-motorized travelers are expected to be using the new pathway, but some may be on the shoulder of the adjacent Teton Road. Both types of visitors will be intercepted.

(c) Surveyors will approach every group if possible and every 3rd group if it is a very busy day and ask the eligible group member with the next birthday to complete the survey. Groups that pass by while a surveyor is engaged with a contacted group will not be sampled. It can be difficult to collect survey data from road bikers who are traveling fast along the roadway shoulder, thus signs will be placed along the roadway north and south of the surveyors to encourage bicyclists to stop for the survey. Drinks and snacks will be provided. Signs will also alert motorists to the activity.

(d) Instrument administration: A table and chairs will be set up at each survey location. Researchers will approach bicyclists and pedestrians and use the following script to invite survey participants:

"Good morning (afternoon), my name is _____. I'm with the Western Transportation Institute and we are working with Grand Teton National Park to learn about non-motorized travel in the park. Could you take 10 minutes to answer some questions today? This survey is voluntary and completely anonymous. Thank you!"

Respondents will be given a clipboard, survey, and a pen. Respondents will be able to sit at tables to fill out survey with researchers available to answer questions. Detailed maps will be available as a reference.

(e) Expected response rate/confidence levels: Response rates depend on a number of variables; including weather conditions during the sampling event, visibility of surveyors, and time availability and interest of visitors. Surveyors will provide water and snacks at the tables to encourage visitors to stop and complete a survey and maximize response rates. The response rate for a 2007 transportation survey in the park was 64% (OMB 1024-0224, NPS 07-043). Given appropriate conditions, a response rate of 64% is expected for this survey. With 382 completed surveys, we will achieve confidence interval at the 95% level of +/- 5%.

(f) Strategies for dealing with potential non-response bias: Based on the information collected in the survey log (attached), a non-response bias analysis will be completed. Respondents will be compared with non-respondents on observable characteristics, including transportation mode (foot vs. bicycle), group size, presence/absence of children, weekday, and month. The implications of any non-response bias for interpreting results will be discussed in the report.

(g) Description of any pre-testing and peer review of the methods and/or instrument (recommended): This survey was revised and shortened based on feedback from the 2007 Grand Teton National Park non-motorized traveler survey.

10.

Total Number of Initial Contacts | Expected Respondents:

597	382
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11

Estimated Time to Complete Initial Contact | Instrument (mins.):

1	10
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12.

Total Burden Hours:

74

13.

Reporting Plan:

Survey results will be compiled, analyzed and presented in a report that will be submitted to GRTE officials by December 2010. Analyses will include frequency tabulations, measures of central tendency, and comparisons between bicycle and foot travelers. A copy of the report will be sent to the NPS Social Science Division to be archived in the Social Science Studies Collection.



The Western Transportation Institute at Montana State University is administering this survey on behalf of Grand Teton National Park. This information will be used to help park managers better understand bicycle and pedestrian issues in the park. **Participation in this survey is strictly voluntary.**

1. What is your mode of non-motorized travel in Grand Teton National Park today? Please mark only one. [Topic Area 2 – Trip/visit characteristics]

- | | | |
|--|--|-------------------------------------|
| <input type="checkbox"/> Road bike | <input type="checkbox"/> Walking/running | <input type="checkbox"/> Wheelchair |
| <input type="checkbox"/> Mountain bike | <input type="checkbox"/> Scooter | <input type="checkbox"/> Skateboard |
| <input type="checkbox"/> Hybrid or "town" bike | <input type="checkbox"/> Inline Skates/ Rollerblades | <input type="checkbox"/> Other_____ |

2. In regards to your trip today:

2.1 What form of transportation did you use to enter Grand Teton National Park? Please mark only one. [3. TRANS1]

- Personal vehicle Walking (running) Bicycling Other _____

2.2 On this visit, which entrance did you and your group first use to enter the park? Please mark only one. [TRIPC2]

- | | |
|--|--|
| <input type="checkbox"/> Granite Canyon (Moose-Wilson Rd.) | <input type="checkbox"/> Yellowstone (north) |
| <input type="checkbox"/> Jackson Entrance (south) | <input type="checkbox"/> Moran Entrance (east) |
| <input type="checkbox"/> Other (specify) _____ | |

2.3 Where did you park your vehicle today? [Topic Area 2 – Trip/visit characteristics]

2.4 What is the starting point, route, and destination for the non-motorized part of your trip today? Refer to the map if you need to. [3. variation ITIN2]

Start: _____ Route: _____ Destination: _____

2.5 Which facility are you primarily using for your non-motorized travel today? Please mark only one. [Topic Area 2 – Trip/visit characteristics]

- Roadway shoulder Separated pathway Other_____

2.6 How far did you (or will you) travel today by non-motorized mode (bicycle, walk/run, roller blade etc.) in and around Grand Teton National Park? Please mark only one. [Topic Area 2 – Trip/visit characteristics]

- < 1 mile 1-5 miles 6-10 miles 11-15 miles > 15 miles

3. How many times in the past 12 months have you traveled by non-motorized modes on any portion of the road from Dornan’s to South Jenny Lake (not including this visit)? [1. variation VISITHIS3]

- | | | |
|------------------------------------|-------------------------------------|---|
| <input type="checkbox"/> Never | <input type="checkbox"/> Once | <input type="checkbox"/> Twice |
| <input type="checkbox"/> 3-5 times | <input type="checkbox"/> 6-10 times | <input type="checkbox"/> More than 10 times |



4. **Were you satisfied with your parking location today?** Yes No
 [Topic Area 5 – Individual Evaluation of Park Services]

If NO, please list reasons

5. **What is the purpose of your trip to Grand Teton National Park today? Please mark all that apply.** [3. variation TRIPC1]

- Exercise Work commute View wildlife
 Spend time with family/ friends View scenery Other _____

6. **Describe what effect, if any, the multi-use pathway had on your wildlife viewing experience in Grand Teton National Park today?** [Topic Area 6- Individual Perceptions of Park Experiences]
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7. **How safe did you feel traveling by non-motorized mode today in Grand Teton National Park? Please mark only one.** [6. variation EVALSERV19]

- Very safe Somewhat safe Neutral Somewhat unsafe Very unsafe

If you felt unsafe or very unsafe, describe why _____
 [6. EVALSERV20]

8. **Are you satisfied with current non-motorized transportation conditions in Grand Teton National Park?** [Topic Area 5 - Individual Evaluation of Park Services]

- Yes No Don't know

If no, describe why _____

9. **What non-motorized facility improvements (e.g. bicycle parking, directional signs, bicycle lanes on roadway, multi-use pathways separated from roadway, etc. would you like to see in Grand Teton National Park in the future?** [6. variation EVALTRAN6]
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10. **How did you obtain information about non-motorized travel options for Grand Teton National Park? Please mark all that apply.** [2. variation TPLAN11]

- National Park Service website Travel service/agent
 Other website _____ Friend
 Travel-guide book _____ Park visitor center brochures or maps
 Park entrance brochures or maps Other-describe _____
 Park signs or kiosks

11. **On a future visit, what kind of information would you like to improve your non-motorized experience in Grand Teton National Park? Please mark all that apply.** [2. variation TPLAN11]

- Brochures Internet information
 Signs Other _____



12. Do you live in the United States? [1. RES3]

___ Yes → What is your Zip Code? _____

___ No → What country do you live in? _____

13. What is your age? _____

1. [AGE2]

14. What is your gender?

1. [GEND2]

Female

Male

15. How many people are in your group today, including yourself? [1. variation GR3]

___ Adults (18 and older)

___ Children (under 18)

16 U.S.C. 1a-7 authorizes collection of this information. This information will be used by park managers to better serve the public. Response to this request is voluntary. No action may be taken against you for refusing to supply the information requested. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number.

BURDEN ESTIMATE STATEMENT: Public reporting burden for this form is estimated to average 10 **minutes** per response. Direct comments regarding the burden estimate or any other aspect of this form to:

Margaret Wilson
Environmental Planning and Compliance
Grand Teton National Park
Park P.O. Drawer 170
Moose, WY 83102
(307) 739-3465
Margaret_Wilson@nps.gov

THANK YOU FOR COMPLETING THIS SURVEY!

