

APPENDIX C
BRIDGE SURVEY ANALYSIS

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Bridge Travel Survey Report

Background

On May 9, 2001, the Grand Forks/East Grand Forks Metropolitan Planning Organization conducted travel surveys at each of the Red River bridge crossings that connect East Grand Forks to Grand Forks. Information from the surveys will be used to help predict how much traffic would use a new Red River crossing depending upon where it is located. The surveys were conducted by stopping a random number of motorists and asking a series of questions about their trip.

The surveys were conducted at the Kennedy Bridge, Sorlie Bridge, and the Point Bridge between the hours of 7:00 AM – 9:00 AM, 1:00 PM – 3:00 PM, and 4:00 PM – 6:00 PM. There were a combined total of 3,390 surveys conducted at the three bridges, which yields results having a margin of error plus or minus 2% assuming a confidence level of 95%.

The following page illustrates the survey instrument used for this project. The survey includes four questions along with vehicle data information. The following tables summarize the result from the survey.

Table 1 : What was the purpose of your trip?

	Kennedy	Point	Sorlie	Total
Work - to/from home	629	492	460	1581
Work not to/from home	148	25	98	271
Shopping	159	89	150	398
School	121	43	66	230
Social	80	99	154	333
Other	234	164	162	560

Table 2: What was the frequency of your trip?

	Kennedy	Point	Sorlie	Total
More than daily	328	237	172	737
Daily	548	400	459	1407
Weekly	167	185	245	597
Less than a week	329	96	217	642

Table 3: Reason for trip?

	Kennedy	Point	Sorlie	Total
Most Direct	1084	752	902	2738
Least time	168	88	113	369
Safety	3	2	3	8
Least congestion	38	23	24	85
Other	78	46	47	171

Table 4: Number of people in vehicle?

	Kennedy	Point	Sorlie	Total
1	1067	720	835	2622
2	242	171	215	628
3	50	22	37	109
4	14	7	8	29
5 or more	5	0	4	9

Table 5: Type of vehicle?

	Kennedy	Point	Sorlie	Total
Car	1254	799	980	3033
Motorcycle	1	1	7	9
Truck	123	112	113	348

Table 6: Was seatbelt fastened?

	Kennedy	Point	Sorlie	Total
No	397	312	275	984
Yes	987	611	831	2429

Table 7: License plate state?

	Kennedy	Point	Sorlie	Total
Minnesota	711	458	427	1596
North Dakota	618	414	634	1666
Other	34	9	20	63

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Red River Crossings Traveler Survey

Questions

1. Identify your trip origin on the map below.
2. Identify your trip destination on the map below.
3. What is the purpose of your trip?

- Work- to/from home
- Work - not to/from home
- Shopping
- School
- Other: _____

4. Why did you use this river crossing?

- Most direct
- Least time
- Safety
- Least congestion
- Other: _____

Vehicle Data

License Number/State: _____

Persons in vehicle: _____

