

APPENDIX A

Survey

NATIONAL COOPERATIVE HIGHWAY RESEARCH PROGRAM

Survey

STRATEGIES FOR MANAGING INCREASING TRUCK TRAFFIC

With changes in the global economy and increases in total population and freight movement, many states are seeing significant increases in the number of trucks on their roadways. Increasing truck traffic poses many challenges for state departments of transportation (DOTs), metropolitan planning organizations (MPOs), and other transportation organizations. This survey is being sponsored by the National Cooperative Highway Research Program and is designed to help identify the strategies being used to address the challenges associated with increasing truck traffic.

The survey should be filled out by those in your agency who are familiar with your agency's activities related to trucking—highway improvements, operational strategies, safety, pavement enhancement, code enforcement, etc. *Your responses are relevant and important, regardless of whether your agency has actively engaged in identifying and mitigating impacts of truck traffic.* Comments and explanations are encouraged, particularly if the multiple-choice responses do not capture your situation. Please attach additional pages if necessary.

Please return the completed survey and any supporting documents by August 15, 2001 to:

James G. Douglas
Parsons Brinckerhoff
505 South Main Street, Suite 900
Orange, CA 92868

If you prefer, you may fax your response to him at (714) 973-4918.

If you have any questions, you may contact him by telephone at (714) 973-4880, or by email at: douglasj@pbworld.com.

BACKGROUND INFORMATION

Agency/Organization Responding: _____

Address: _____

Name of Respondent(s): _____

Title(s)/Department(s): _____ Phone: _____

Date: _____ Email: _____

1. What challenges attributable to increasing truck traffic is your agency facing?

For each challenge, circle the most appropriate response number (one only).

0 = No work undertaken to determine whether it is a challenge.	3 = Serious challenge in localized areas.
1 = Minor challenge, or not an issue.	4 = Moderate challenge through much of our state or urban area.
2 = Moderate challenge in localized areas.	5 = Serious challenge through much of our state or urban area.

a) Congestion						
• Bottlenecks near terminals, ports, border crossings, etc.	0	1	2	3	4	5
• Congested urban streets	0	1	2	3	4	5
• Congested urban highways	0	1	2	3	4	5
• Congested intercity roads	0	1	2	3	4	5
• Other (please specify)	0	1	2	3	4	5
b) Transportation System						
• Substandard geometrics	0	1	2	3	4	5
• Insufficient truck parking	0	1	2	3	4	5
• Poor directional signing	0	1	2	3	4	5
• Other (please specify)	0	1	2	3	4	5
c) Safety						
• Truck crashes (single vehicle)	0	1	2	3	4	5
• Multivehicle crashes (especially auto-truck)	0	1	2	3	4	5
• Other (please specify)	0	1	2	3	4	5
d) Infrastructure						
• Pavement deterioration	0	1	2	3	4	5
• Bridge structure deterioration	0	1	2	3	4	5
• Other (please specify)	0	1	2	3	4	5
e) Environment						
• Air quality (emissions)	0	1	2	3	4	5
• Noise	0	1	2	3	4	5
• Other (please specify)	0	1	2	3	4	5
f) Intermodal Connections						
• Rail/truck connectivity	0	1	2	3	4	5
• Air/truck connectivity	0	1	2	3	4	5
• Truck/truck connectivity	0	1	2	3	4	5
• Water/truck connectivity	0	1	2	3	4	5
• Other (please specify)	0	1	2	3	4	5
g) Quality of Life						
• Trucks driving through residential areas	0	1	2	3	4	5
• Trucks parking in residential areas	0	1	2	3	4	5
• Other (please specify)	0	1	2	3	4	5
h) Economic Development						
• Incompatible land uses	0	1	2	3	4	5
• Truck uses that discourage “desirable” development	0	1	2	3	4	5
• Other (please specify)	0	1	2	3	4	5
i) Losses in Productivity Due to Congestion						
• Increased transport costs	0	1	2	3	4	5
• Worker productivity loss	0	1	2	3	4	5
• Other (please specify)	0	1	2	3	4	5

2. Has your agency undertaken planning activities to address the effects of increasing truck traffic? Please circle the most appropriate response for each type of planning (one only).

1 = No planning of this type.	4 = Under way but not completed.
2 = Discussed but not undertaken.	5 = Completed.
3 = Undertaken in support of another agency.	

a) Freight/goods movement plan (for state or metropolitan area)	1	2	3	4	5
b) System plan for freight/goods movement facilities	1	2	3	4	5
c) Corridor freight/goods movement plan	1	2	3	4	5
d) Freight/goods movement element of multimodal system plan	1	2	3	4	5
e) Freight/goods movement element of multimodal corridor plan	1	2	3	4	5

- | Project Description | Factors Driving the Decision | | | | | | |
|---------------------|------------------------------|-----------|------------------------|--------------------|----------------|---------------------|-----------------|
| | Insufficient Benefit | High Cost | Difficult to Implement | Not Cost-Effective | Public Opinion | Lack of Information | Other (specify) |
| | | | | | | | |
| | | | | | | | |

Project Description	Insufficient Benefit	High Cost	Difficult to Implement	Not Cost-Effective	Public Opinion	Lack of Information	Other (specify)

5. For each strategy with 4 or 5 circled in Question #3, please provide the information requested in the following table. Briefly describe the project, indicate its cost, describe the expected benefits, indicate whether the benefits have been evaluated, and mark (with an X) the factor(s) which drove the selection of that strategy. Attach additional pages if necessary.

Project Description	Cost	Expected Benefits	Were Benefits Evaluated?	Factors Driving Selection					
				Greatest Potential Benefit	Low Cost	Ease of Implementation	Cost-Effectiveness	Public Acceptance	Other (specify)
			Yes						
			No						
			Not Yet						
			Yes						
			No						
			Not Yet						
			Yes						
			No						
			Not Yet						
			Yes						
			No						
			Not Yet						

Note: If benefits were evaluated, please attach information about criteria used for evaluation.

6. If you have relevant plans or studies that you could share, please send a copy when you return the survey. Or attach a separate page with the titles of relevant documents that are available. Please include

- Freight/goods movement plans
- Studies of improvements to accommodate increasing truck traffic
- Other relevant documents.

7. Comments: _____
