Project Title: Proactive Strategies for Preserving Supply Chain Integrity and Personnel Safety
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Project Start Date: December 2002 End Date: December 2003
Other Milestones, Dates:
May 30, 2003 – Data Collection Completed
June 30, 2003 – Data Analysis Completed

Project Objective:
The purpose of this research is to determine the strategies being used by fortune 1000 companies to reduce the probability of supply chain disruption and injuries to personnel at facilities world-wide. The results of the research will provide suggestions regarding the vulnerabilities which should be addressed and the methods which should be instituted to reduce vulnerability of personnel and the infrastructure.

Project Abstract:
Groups throughout the world have turned to the use of violent, disruptive activities to make political statements regarding their particular political cause. The preponderance of these attacks has been against business entities. The results have been significant losses in life and the disruption of normal business activities. As supply chains stretch around the world and employ a growing number of employees, vulnerability must be examined and necessary changes made to reduce the degree of vulnerability.

The results of this study will be useful in developing answers to five basic research questions:
1. What criteria are used to evaluate the potential supply chain partners of the firm?
2. What criteria are used to evaluate the locations in which the firm and its partners operate?
3. What procedures are in place to protect against disruption of the supply chain?
4. What programs are in place to provide employee training for incident prevention, and reaction to incidents that might occur?
5. From the strategic perspective of the firm, what disruption prevention elements are incorporated into supply chain design and strategy?

Task Description:
Information will be gathered with a survey sent to the top level executives of the Fortune 1000 companies. The resulting data will be statistically analyzed to determine the existence of trends and relationships. The purpose will be to determine the existence of best practices, ineffective practices or non-existent practices that might be dependent on the level of globalization, industry, or other variables.

From the results of the data analysis, it is hoped that there will emerge a pattern which will provide a be the supply chain design and strategies which are most effective in minimizing the impact to personnel and
chain operations of efforts to disrupt supply chain operations.

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<thead>
<tr>
<th>Total Budget:</th>
<th>$ 10,000</th>
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<tr>
<td><strong>Student Involvement (Thesis, Assistantships, Paid Employment):</strong></td>
<td>Survey development and tabulation</td>
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<td><strong>Relationship to Other Projects:</strong></td>
<td>Research designed to establish processes for the identification of security enhancement opportunities and implementation of security enhancement programs in the public transit industry using a six sigma approach.</td>
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<td><strong>Technology Transfer Activities:</strong></td>
<td>The results of this research will be disseminated through professional journals such as the <em>Journal of Business Logistics</em>, the <em>International Journal of Purchasing and Supply Chain Management</em>, <em>Transportation Journal</em> and/or the <em>Journal of Transportation Management</em>. In addition, the principle investigators will present the results of the study at meetings of TRB, CLM, AST&amp;L, and/or DNA.</td>
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<td><strong>Potential Benefits of Project:</strong></td>
<td>The benefits are, at least, twofold. It will produce a picture of the state of the industry regarding the danger to personnel and business operations and it will provide a benchmark to be used as individual companies come to grips with the need for the planning and implementation of measures designed to protect their firm’s resources from terrorist disruption.</td>
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<td><strong>TRB Keywords:</strong></td>
<td>Supply Chain, Supply Chain Integrity, Strategies, Disruption, Terrorist,</td>
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