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Traffic Safety Culture: A Primer for Traffic Safety Practitioners

Final Report

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**Title and Subtitle**
Traffic Safety Culture: A Primer for Traffic Safety Practitioners

**Abstract**
There is growing interest in “traffic safety culture” (TSC) as a key factor to manage and sustain safe roadway transportation systems, especially as more jurisdictions adopt targets of zero traffic fatalities and serious injuries. However, the theory, terminology, and methods involved in addressing TSC come from human and social science disciplines that are not typically included in traditional traffic safety, engineering, or other behavioral change agencies (e.g., departments of transportation, driver’s licensing, motor vehicle records, etc.). The lack of shared language and understanding about TSC limits the ability of agencies to explore this topic and engage new stakeholders. Additionally, the variation in the interpretation and implementation of TSC strategies has resulted in no consensus about best practices. Communication tools that develop shared language and understanding about traffic safety culture and its relationship to vision zero goals are needed. This final report summarizes the TSC Primer and supporting toolkit developed to address this need.

**Key Words**
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1 INTRODUCTION

Traffic safety culture can be defined as the values and beliefs shared among groups of road users and stakeholders that influence their decisions to behave or act in ways that affect traffic safety. Importantly, this definition includes the contribution of road user behavior to fatal crashes as well as the actions of other traffic safety stakeholders within the social environment. Thus, growing a positive traffic safety culture increases safe behaviors by road users and aligns the actions of all traffic safety stakeholders to support those safe behaviors.

For example, efforts to increase seat belt use could include getting more drivers to require passengers to wear seat belts; increasing the number of families with rules about always wearing a seat belt; increasing the number of workplaces with active seat belt use policies; and increasing consistent and visible seat belt enforcement. These efforts can be aligned around shared values of protecting oneself and those we care about as well as shared beliefs that seat belts are effective, that most people wear seat belts, and that it is acceptable to ask others to wear a seat belt.

A cultural perspective on improving traffic safety requires expanding efforts to address the behaviors of additional stakeholders such as families, schools, workplaces, community agencies, etc. As each of these groups has their own unique sub-cultures, no single strategy or approach will work for all these groups. Thus, efforts to grow a positive traffic safety culture will require multiple strategies tailored to specific populations.

Furthermore, cultural influences are stronger in local contexts (e.g., a child’s parents have a greater influence than other parents; an employee’s workplace policies have greater influence than state or national policies, etc.). Therefore, traffic safety leaders will need to engage local communities in efforts to bolster and leverage their local cultures to improve traffic safety.

In summary, growing a positive traffic safety culture is a process instead of a program or strategy. This process involves new ways of thinking about growing a wide variety of protective behaviors across local, state, and national communities. The tools developed in this project will act as a “primer” to facilitate this new way of thinking and broaden engagement by more stakeholders in the dialogue.

The Traffic Safety Culture (TSC) Primer project takes the information learned from contemporary theory and research about the role of cultural and social factors in behavioral choice. This information is then translated to provide practical and meaningful communication tools. These tools are designed to be implemented immediately to build the capacity of critical stakeholders to reduce fatal and serious traffic injuries.

The final content of four communication tools are provided in this report:

- A primer, which has sufficient detail to support shared discussions among traffic safety professionals and stakeholders about the role of TSC in their traffic safety goals.
- A PowerPoint presentation, which gives traffic safety professionals and stakeholders a tool to introduce TSC to other professionals, stakeholders, and the community.
- A poster, which also gives traffic safety professionals and stakeholders a tool to introduce TSC to other professionals, stakeholders, and the community.
- A short, animated video that serves to introduce and motivate access to the TSC primer.
2 TSC PRIMER

Figure 1 shows the cover page, table of contents, and preface. The MDT color palette was used for the primer. The full primer can be obtained from:


Figure 1. Title page, table of contents, and preface of TSC Primer.
The style chosen for the layout and format of the primer was intended to make the content approachable (not intimidating) and accessible (easy to find). As shown in Figure 2, several design methods were used to meet these design goals including using an icon to identify key information (Figure 2a), separating relevant statistics from the main text (Figure 2a), repeating (highlighting) key sentences (Figure 2b), and providing separate sections for more detailed information (Figure 2c).

Figure 2. Examples of (a) icon to identify key information and separate statistics from main text, (b) repeat (highlight) key sentences, and (c) provide more detailed information for reader in separate section.
3 POWERPOINT PRESENTATION

Figure 3 shows the content outline for the PowerPoint presentation. The formatting of the PowerPoint used the MDT color palette as shown in Figure 4.

Figure 3. Content outline for TSC PowerPoint presentation.
Traffic Safety Culture

“Traffic Safety Culture” is the **shared belief system** of a group of people that influences road user behaviors and stakeholder actions that impact traffic safety.

Figure 4. Example of color palette for TSC PowerPoint presentation (slide 6).
Figure 5 shows the poster presentation to support the TSC primer.

Figure 5. TSC poster presentation (using MDT color palette).
5 ANIMATED VIDEO

The transcript for the animated video is listed in Table 1.

Table 1. Transcript for TSC Animated Video.

<table>
<thead>
<tr>
<th>TRAFFIC SAFETY CULTURE Voiceover Script</th>
</tr>
</thead>
<tbody>
<tr>
<td>• What would it be like if leaders, organizations, and people across our communities shared a strong positive traffic safety culture?</td>
</tr>
<tr>
<td>• Traffic safety is important to all of us, but can we do more? How many fatalities and serious injuries are acceptable? Think about it: how many fatalities and serious injuries among your family and friends are acceptable?</td>
</tr>
<tr>
<td>• Most of us agree that the only acceptable answer is zero.</td>
</tr>
<tr>
<td>• However, right now in our country, we are far from zero. In 2017, over 37,000 people were killed in motor vehicle crashes on our roads.</td>
</tr>
<tr>
<td>• And, the costs are tremendous. The estimated annual economic and social cost of crashes is more than 835 billion dollars.</td>
</tr>
<tr>
<td>• Getting to zero will not be easy. It will require us to explore new and innovative ways to improve traffic safety. It will require us to work together.</td>
</tr>
<tr>
<td>• This might look like everyone wearing a seat belt; drivers fully engaged in the driving task; people obeying speed limits; and taking extra care around pedestrians and bicyclists.</td>
</tr>
<tr>
<td>• Getting to zero will require more than just focusing on drivers. It could include families talking about traffic safety and creating family rules. Schools would be promoting traffic safety in health classes and driver education programs. Workplaces would be establishing policies and providing training to eliminate crashes.</td>
</tr>
<tr>
<td>• More and more healthcare providers would be talking to patients about always wearing a seat belt and how to use medications appropriately to avoid increasing risk of crashes.</td>
</tr>
<tr>
<td>• Community leaders could advocate for and pass appropriate laws to reduce risky driving behaviors and make sure programs are used with those who violate the laws so that it doesn’t happen again.</td>
</tr>
<tr>
<td>• Professionals from local, state, tribal, and federal traffic safety agencies can take the lead to promote growing a positive traffic safety culture. These leaders can help communities form and sustain effective coalitions and partnerships to support the goal of zero fatalities and serious injuries on our roads.</td>
</tr>
<tr>
<td>• These agencies can provide tools and resources to communities, workplaces, and families to help them create a positive traffic safety culture. They can invest in developing innovative new strategies.</td>
</tr>
<tr>
<td>• Our first step is to develop shared language and understanding about traffic safety culture, as well as ways for growing it. To help do this, a primer has been created about traffic safety culture. The primer includes 10 basic principles as well as examples of communities growing positive traffic safety culture. It will give you the confidence to explore and apply this topic in the communities you serve.</td>
</tr>
<tr>
<td>• To help share these ideas with others, the primer also includes a short presentation that can be used to start conversations and introduce the basic ideas.</td>
</tr>
<tr>
<td>• By all of us working together, we can create the positive traffic safety culture needed for us to reach the shared vision of zero traffic fatalities and serious injuries.</td>
</tr>
<tr>
<td>• Download your copy of the Traffic Safety Culture Primer and resources today.</td>
</tr>
</tbody>
</table>

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6 CONCLUSIONS

There is growing interest in “traffic safety culture” (TSC) as a key factor to manage and sustain safe roadway transportation systems, especially as more jurisdictions adopt targets of zero traffic fatalities and serious injuries. However, the lack of shared language and understanding about TSC limits the ability of agencies to explore this topic and engage new stakeholders. This final report summarizes final drafts of the TSC Primer and associated tools to help create shared language and understanding about TSC among traffic safety stakeholders.
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