Please use this form to provide comments on the Notice of Proposed Amendments for the MUTCD.

**INSTRUCTIONS:**

1. Add your name or organization name where indicted in the footer of this form.
2. Use Table 1 to provide your original comments.
3. Use Table 2 to indicate your agreement with a comment that another commenter has submitted to the docket.
4. Do not adjust formatting of the rows and columns; text will automatically wrap and expand the row height as you type.
5. To add rows to this form, use the “Insert Rows” function, or hover just outside the left edge of the row below which you would like to add a row and click the encircled “+” that appears.
6. If you choose to provide a letter to accompany this comment form, please **print the document as a PDF**; **please do not scan a hard copy**. This will assist FHWA with cataloging your comments.

**TABLE 1. ORIGINAL COMMENTS ON PROPOSED CHANGES.** Please indicate the applicable proposed Section numbers in the far-left column. In the next three columns, please indicate your agreement, disagreement, or whether the column is applicable to your response by placing a, “YES,” “NO,” or “N/A” in the appropriate column of the row. If you agree with a proposed change, then there is no need to fill out the additional columns beyond the first two. However, it can be helpful to explain why you agree with a proposed change based on your objective experience as a roadway operator and/or empirical data. If you disagree in part or in whole, then please provide additional information that FHWA may find helpful.

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| Proposed  Section Number(s) | Agree with concept and text as proposed | Agree with concept; suggested rewording of text in Comments | Disagree with concept | Comments  *Please include justification for your position based on objective experience and empirical data. If there is a specific statement with which you take exception, please provide the Page and Line numbers from the mark-up version of the proposed MUTCD text.* |
| All tables in Chapter 2A | N/A | N/A | N/A | NCUTCD notes that the assigned numbering for tables in Chapter 2A is completely different between the draft NPA text as seen in docket items -0004 and -0038, and the draft NPA tables as seen in docket item -0006, as illustrated here:  Draft Text (Clean and Mark-Up):  Table 2A-1. Use of Sign Shapes  Table 2A-2. Common Uses of Sign Colors  Table 2A-3. Illumination of Sign Elements  Table 2A-4. Retroreflection of Sign Elements  Table 2A-5. Minimum Maintained Retroreflectivity Levels  Draft Tables:  Table 2A-1. Illumination of Sign Elements  Table 2A-2. Retroreflection of Sign Elements  Table 2A-3. Minimum Maintained Retroreflectivity Levels  Table 2A-4. Use of Sign Shapes  Table 2A-5. Common Uses of Sign Colors  This should be rectified prior to the Final Rule.  In our comments, NCUTCD presumes that the table numbers in the draft NPA tables document (docket item -0006) are correct, and our proposed changes and edits of Chapter 2A reflect this. |
| 2A.01 | NO | YES | N/A | NCUTCD recommends change to NPA text as shown regarding site roadways in accordance with NCUTCD recommendation 15A-EC-01. This recommended change occurs in numerous sections throughout the NPA MUTCD text. |
| 2A.02 | NO | YES | N/A | NCUTCD recommends changes to NPA text as shown. The “site roadways” recommended change occurs in numerous sections throughout the NPA MUTCD text. Other recommended change corrects reference to Section 1D.05. |
| 2A.03 | NO | YES | N/A | NCUTCD recommends revising from “defined” to “described’ with additional Section reference since it is describing these devices. |
| 2A.04 | NO | YES | N/A | NCUTCD recommends the following changes consistent with NCUTCD recommendation 20B-RW-03:   * Add references to dynamic message signs, hybrid signs and blank-out signs * Downgrade from Standard to Guidance the requirement that modification of a MUTCD standard sign shall not be allowed * Give owners of site roadways the same option as public agencies to develop special word legends * Recommend a new definition for scanning graphics and revise the text accordingly * Add a requirement for scanning graphics for connected and automated vehicles (CAV) * Revise university or college graphic permissions to allow a logo vs. a seal, and prohibit pictorial representations * Allow the use of scanning graphics to work with driver automotive technologies |
| 2A.05 | NO | YES | N/A | NCUTCD recommends that Guidance on lateral offset be relocated to Section 2A.15 Lateral Offset. |
| Table 2A-4 | YES | N/A | N/A | NCUTCD agrees with Table 2A-4 as presented in the NPA. |
| 2A.06 | NO | YES | N/A | NCUTCD agrees with Section 2A.06 with minor editorial comments. except the expansion of Chapter 2L (Changeable Message Signs) has resulted in a revision of Table 2A-5 Common Uses of Sign Colors, since not all changeable message signs can display all standard sign colors, and these are addressed in Chapter 2L. |
| Table 2A-5 | NO | YES | N/A | NCUTCD generally agrees with Table 2A-5, but the expansion of Chapter 2L (Changeable Message Signs) has resulted in a revision of the table, as not all changeable message signs can display all standard sign colors. NCUTCD recommends deleting the bottom portion of the table subtitled “Changeable Message Signs” in accordance with NCUTCD recommendation 20B-RW-03, as part of changes made with the new Section 2L.04 on Dynamic Electronic Signs called “Design Characteristics of Messages” (to be submitted with NCUTCD comments on Chapter 2L). |
| 2A.07 | NO | YES | N/A | NCUTCD generally agrees with 2A.07 as presented, except to add Stop and Yield sign sizes when a site roadway intersects a street or highway, to be consistent with NCUTCD recommendation 15A-RW-01. See NCUTCD comments on Chapter 2B for comments on Table 2B-1. |
| 2A.08 | NO | YES | N/A | NCUTCD agrees with Section 2A.08 except as follows:   * The Standard Highway Signs publication needs to be consistently titled appropriately * Retain parenthetical definition of “solidus” * Delete support information that is more appropriate to include this information the Standard Highway Signs publication * Add reference to Section 2E.12 regarding Series E Modified alphabets |
| 2A.09 | NO | YES | N/A | NCUTCD generally agrees with Section 2A.09, except we recommend changing the usage of recreational and cultural interest symbols only within a recreational and cultural area from a Standard to Guidance, since usage outside the area is addressed in Chapter 2M. The connection to the recreational or cultural area may be a highway intersection where drivers might benefit from use of these symbols on highway directional signing. Also, presently snowmobiles and ATVs are prevalent outside recreational areas and the use of a common symbol is preferred. |
| 2A.10 | YES | N/A | N/A | NCUTCD agrees with 2A.10 as presented in the NPA. |
| 2A.11 | NO | YES | N/A | NCUTCD generally agrees with 2A.11, except the text regarding retroreflective material on a sign support be revised from a Standard to a Guidance condition. |
| Figure 2A-1 | NO | YES | N/A | NCUTCD generally agrees with Figure 2A-1, but recommends the figure be modified to include a School Warning sign with LEDs in the border and reordering of items in the figure. |
| 2A.12 | NO | YES | N/A | NCUTCD generally agrees with 2A.12, except for some editorial changes regarding figure references and reference to the Emergency Stopping Only sign rather than “for passing only.” |
| Figure 2A-2 | YES | N/A | N/A | NCUTCD agrees with Figure 2A-2 as presented in the NPA. |
| Figure 2A-3 | YES | N/A | N/A | NCUTCD agrees with Figure 2A-3 as presented in the NPA. |
| Figure 2A-4 | NO | YES | N/A | NCUTCD generally agrees with Figure 2A-4 as presented in the NPA, with the following suggested changes:   * Sheet 2:   + In the sign schedule, W16-6P should be W16-8P * Sheet 3:   + Change the arrows in the Maple St sign in the alternate signing at overhead location detail above to be left turn arrows, not down arrows.   + In the sign schedule, W16-6P should be W16-8P |
| 2A.13 | YES | N/A | N/A | NCUTCD agrees with 2A.13 as presented in the NPA. |
| 2A.14 | NO | YES | N/A | NCUTCD recommends changes in 2A.14 in accordance with NCUTCD recommendation 20B-RW-01 to accommodate large guide signs on cut slopes. |
| 2A.15 | NO | YES | N/A | NCUTCD generally agrees with 2A.15 as presented in the NPA, except for the following:   * Relocate crashworthiness information to a new Section 1D.13 (see NCUTCD docket comment on Chapter 1D) * Clarify sign support location to account for barrier deflection in accordance with NCUTCD recommendation 20B-RW-01 * Address sign angle per Section 2A.05 * Include text relocated from Section 2A.05 * Address vertical clearance of signs overhanging travel lanes |
| 2A.16 | YES | N/A | N/A | NCUTCD agrees with 2A.16 as presented in the NPA. |
| 2A.17 | NO | YES | N/A | NCUTCD generally agrees with 2A.17 as presented in the NPA, except the NPA adds a Standard statement relative to mounting of electronic equipment on existing supports that may compromise the crashworthiness of the sign supports. NCUTCD recommends rewording of the content regarding equipment. |
| 2A.18 | YES | N/A | N/A | NCUTCD agrees with 2A.18 as presented in the NPA. |
| 2A.19 | NO | YES | N/A | NCUTCD recommends revisions with some editorial changes and adding a Support statement relative to “vanity” signs. NCUTCD recommends clarifying the definition of vanity signs to limit their usage. |
| 2A.20 | NO | YES | N/A | The NPA does not include fluorescent yellow-green as a color for school, pedestrian, and bicycle devices - this should be added. NCUTCD recommends increasing the maximum flash rate of LEDs from 60 to 120 times per minute, which is acceptable based on a Canadian research study and is outside the range of potential physiological impacts. NCUTCD recommends revising text in accordance with recommendations, including 14A-RW-07 and 20B-RW-03. |
| Table 2A-1 | NO | YES | N/A | NCUTCD recommends revising Table 2A-1 to consolidate LEDs with other visual treatments and to appropriately expand the applicability of these treatments to improve illumination. |
| Table 2A-2 | YES | N/A | N/A | NCUTCD agrees with Table 2A-2 as presented in the NPA. |
| 2A.21 | YES | N/A | N/A | NCUTCD generally agrees with 2A.21 as presented in the NPA with some minor editorial comments and references. |
| Table 2A-3 | YES | N/A | N/A | NCUTCD agrees with Table 2A-3 as presented in the NPA. |
| 2A.22 | YES | N/A | N/A | NCUTCD agrees with 2A.22 as presented in the NPA. |
| Figure 2A-5 | YES | N/A | N/A | NCUTCD agrees with Figure 2A-5 as presented in the NPA. |

**TABLE 2. AGREE WITH ANOTHER COMMENTER.** If you agree with another commenter, please indicate the commenter with whom you agree with and note any additional information FHWA may find helpful or any exceptions.

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| Docket Comment Number and/or Commenter Name | Agree with commenter’s comments as written | Agree with commenter; with exception(s) | Additional information helpful to FHWA, or exceptions to commenter’s comments |
| (**EXAMPLE**)  FHWA-2020-0001-59 | YES | N/A |  |
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