



Information for Authors

(Updated May 5, 2006)

A Guide for Preparing and Submitting Manuscripts for Presentation at the TRB Annual Meeting and for Publication in TRB's Journal

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TRANSPORTATION RESEARCH BOARD
OF THE NATIONAL ACADEMIES

Information for Authors

To submit a paper to the Transportation Research Board (TRB) for presentation at the TRB Annual Meeting or for publication in the *Transportation Research Record: Journal of the Transportation Research Board*, or both, follow the instructions in this guide. Authors are encouraged to submit all papers to TRB via the Internet. This guide is updated periodically; authors should review all information in this guide before submitting papers for consideration.

This guide covers the organization and formatting of manuscripts, as well as instructions for submittal. Papers that do not follow the guidelines may not be considered for presentation or publication.

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CRITICAL DATES

June 1

TRB paper submission website opens. Authors who enter at least their abstract into the TRB paper submission website will have online access to the more than 6,000 papers that have been published in the *Transportation Research Record* since 1996 for background and referencing.

August 1

Deadline for submitting complete papers for presentation at the next Annual Meeting and for publication in the next *Transportation Research Record* journal series. Papers for the next annual meeting or Record series are not accepted after this date.

November 15

Deadline for submission of revised papers approved for presentation at the TRB Annual Meeting for inclusion in the Compendium of Papers CD-ROM.

April 1

Deadline for submission of the final draft of papers that have been recommended by the peer review committee and that have been accepted for publication in the *Transportation Research Record: Journal of the Transportation Research Board*.

GENERAL GUIDELINES

All papers must be submitted in English. To assist authors in preparing papers, the review criteria for the peer review of papers are summarized below. Compliance with the manuscript formatting guidelines presented in the following sections will minimize delays for authors, peer reviewers, and staff and will facilitate subsequent revision of papers for publication.

PAPER REVIEW CRITERIA

Each paper is evaluated by a minimum of three reviewers selected by TRB in accordance with procedures approved by the Governing Board of the National Research Council of the National Academies. Authors should be mindful of the TRB review criteria, which apply to all papers.

The review criteria and thresholds for acceptance are the same whether the paper is assigned for presentation at a lectern or a poster session. Approximately 40% of the papers accepted for the Annual Meeting are presented in poster sessions. Approximately 30% of all submitted papers are chosen for publication in the *Transportation Research Record*.

- The abstract should concisely convey the meaning of the paper.
- The text should be written in simple, concise, and effective language.
- The content of the paper should be new or original, deal with issues that are timely, and have lasting value.
- Coverage of the subject should be complete, well organized, and supported by understandable and useful tables, figures, and references.
- Data presented must be valid, and research methods described should be appropriate for the studies reported.
- Conclusions should be valid, appropriate, and properly supported.
- If the paper addresses government policies, programs, or procedures, the author should offer conclusions and recommendations in a way that recognizes sensitivities and alternative approaches.
- The paper must be useful to practitioners, researchers, or both.
- Papers in which special interests are advocated, papers that are of a commercial nature, and papers that deal with subject matter outside the general area of interest of TRB will not be considered. A paper also may be rejected if it describes the properties of a product whose composition or manufacture is not disclosed. Generic names of products and equipment should be used unless the author considers the trade names or manufacturers' names essential to the purpose of the paper.
- The content must not have been published elsewhere. In some cases, however, TRB may accept papers that have been submitted to or published by other organizations, provided that the publication has had limited distribution and that the author has secured the necessary clearances and permissions. Such cases are handled individually; the author should contact the TRB Technical Activities Division Director.

MANUSCRIPT SPECIFICATIONS

Clearances and Copyrighted Material

Authors must secure necessary clearances and written permissions for presentation or publication from any contracting or supervisory agencies involved in the research or from holders of copyrights on material used in the paper. Authors must have concurrence from coauthors or coworkers before submitting papers for presentation or publication by TRB, and all contributions to the work must be properly acknowledged. If a paper accepted for publication contains previously copyrighted material, **authors must obtain written permission from the copyright holder(s)**. TRB will assume the authors have obtained this permission before submission of the manuscript for inclusion in the TRB Annual Meeting Compendium of Papers CD-ROM. **In addition, this permission must be provided to the TRB Publications Office at the time the paper is submitted for publication in TRB's *Transportation Research Record* series.** Volumes of the *Transportation Research Record* are not usually copyrighted; however, it is assumed that the material will not be published elsewhere without prior notice to TRB and that TRB will retain unrestricted rights to the material.

Length of Manuscripts

The length of each paper, including the abstract and references, **may not exceed 7,500 words**; that is, a paper that is only text should contain no more than 7,500 words. Each table, figure, or photograph accompanying the text counts as 250 words. For example, if two figures and three tables are submitted, the text may be no more than 6,250 words.

Note that 7,500 words is the maximum length; authors are encouraged to keep papers to the minimum length possible, and limit the number of figures and tables, providing only essential information of interest to the reader.

The number of words in text and number of figures, tables, or photographs in the paper should be noted on the title page. Overlong papers may not be reviewed at the discretion of the reviewing committee.

Length and Content of Abstracts

Each paper must have an abstract. The abstract must be no longer than 250 words, it must be self-contained, and it must not require reference to the paper to be understood. In some cases, only the abstract of a paper is read; in other cases, an abstract prompts further reading of the entire paper. The abstract should present the primary objectives and scope of the study or the reasons for writing the paper; the techniques or approaches should be described only to the extent necessary for comprehension; and findings and conclusions should be presented concisely and informatively. The abstract should not contain unfamiliar terms that are not defined, undefined acronyms, reference citations, or displayed equations or lists.

Authors' Names and Affiliations

The names, current affiliations, complete mailing addresses, telephone numbers, fax numbers, and e-mail addresses of all authors **must** be listed on the title page. The list should be a single column. Only one corresponding author must be designated for papers with multiple authors. TRB will communicate only with the corresponding author, who is responsible for informing the coauthors of the paper's submission and disposition. If the research was performed while the author had another affiliation and the author wishes that affiliation listed in addition to the current one, the author should note that both affiliations are to be used. (Corresponding authors are responsible for notifying TRB of any change in address for themselves or coauthors by following the instructions in the submission confirmation letter.)

Style

To achieve uniformity and consistency in publications, the TRB editorial staff uses certain standard reference works for guidance. In matters of spelling, definition, and compounding of words, *Merriam-Webster's Collegiate Dictionary, 11th Edition*, is generally followed. Published standards of scholarly organizations are accepted in questions involving usage of technical terms. Other matters of style and usage are based on documents widely accepted as authoritative (e.g.,

Chicago Manual of Style). Authors should avoid jargon, undefined acronyms, use of personal pronouns—particularly first-person singular and plural—and sexist language in their papers.

Organization of Manuscript

For Peer Review and Compendium

For peer review and for the Compendium of Papers CD-ROM, submit the manuscript in a single electronic file organized in the following sequence (see [Figure 1](#)):

- Title page, including submission date, word count, and author’s names, affiliations, addresses, phone numbers, fax numbers, and e-mails;
- Abstract;
- Body of paper, with figures and tables embedded in the text, as close as possible to the related text;
- Acknowledgment (if any); and
- References

For Publication

If the paper is accepted for publication in the *Transportation Research Record: Journal of the Transportation Research Board*, you must resubmit the manuscript in a single electronic file with all figures and tables moved to the end of the document, each figure or table on a separate page. The manuscript file must be organized as follows (see [Figure 2](#)):

- Title page, including submission date, word count, and author’s names, affiliations, addresses, phone numbers, fax numbers, and e-mails;
- Abstract;
- Body of paper—text only;
- Acknowledgment (if any);
- References;
- List of table titles and figure captions on a separate page; and
- Tables with titles and figures with captions, each table or figure on a separate page.

Electronic File Formats

Manuscripts must be in an electronic format that meets the following specifications:

- The manuscript file (with tables and figures placed at the end of the file, each on a separate page) should be in Microsoft Word (6.0 or later version).
 - Tables should be in MS Word (*.doc), one table to a page using hard page breaks.
 - Figures (graphics of any kind) should be embedded at the end of the Word document as images, one figure to a page using hard page breaks.
 - Equations may be created and inserted as part of the text, or they may be submitted as embedded images within the text.

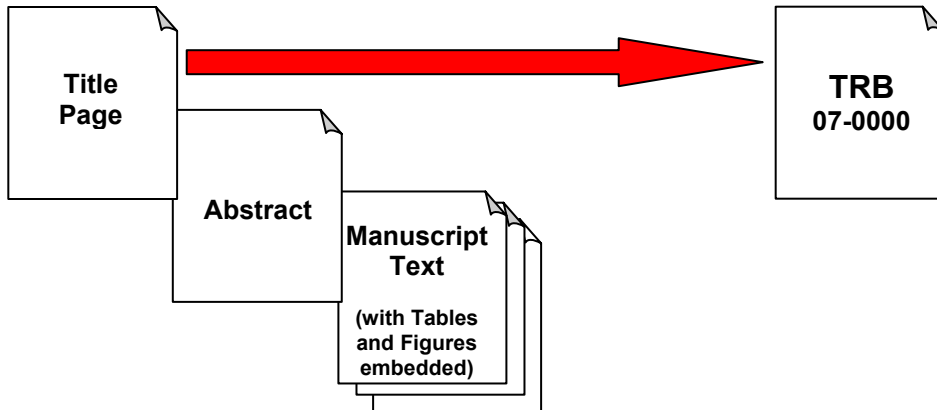


FIGURE 1 Anatomy of a TRB manuscript submitted for peer review and for the Compendium of Papers CD-ROM.

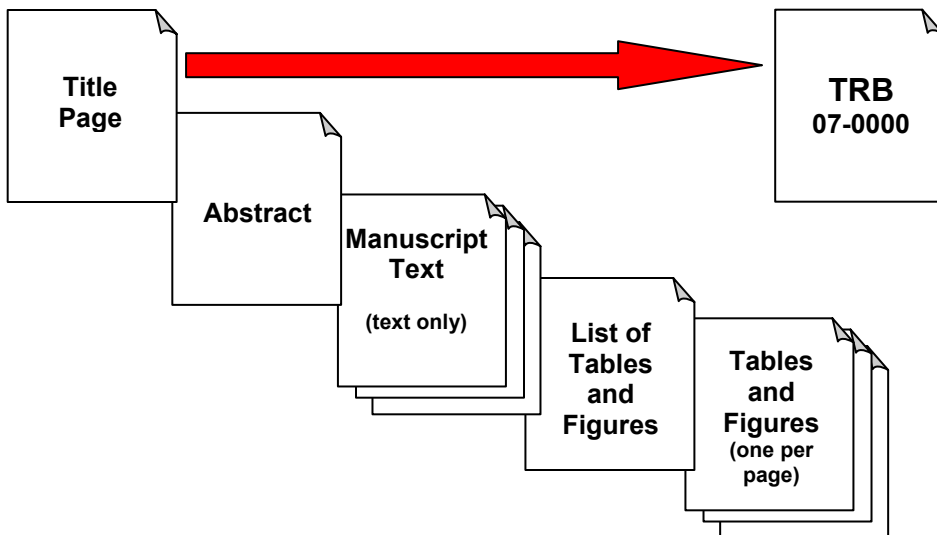


FIGURE 2 Anatomy of a TRB paper submitted for publication in the *Transportation Research Record*.

Manuscript Page Setup

- Margins: 25.4 mm (1 in.) top, 25.4 mm (1 in.) left; adjust settings for bottom and right margins so that the text area is not more than 165.1 mm by 228.6 mm (6.5 in. by 9 in.).
- Font (typeface): Times New Roman, no smaller than 10 points.
- Numbering: Insert page numbers at upper right of each page; insert name(s) of author(s) at upper left of each page.
- Text: Single-spaced.
- Paragraphs: Indent first line 12.7 mm (0.5 in.); do not use an extra line space between paragraphs; do not indent first line after a subhead.
- Subheads: All subheads should be flush with the left margin, with one line space above.

FIRST-LEVEL SUBHEAD

(all capitals, boldface, on separate line)

Second-Level Subhead

(initial capitals, boldface, on separate line)

Third-Level Subhead

(initial capitals, italic, on separate line)

Fourth-Level Subhead (initial capitals, boldface, on same line as text, with extra letter space between the subhead and text)

Fifth-Level Subhead (initial capitals, italic, on same line as text, with extra letter space between the subhead and text)

- Bulleted and numbered lists: Indent first line 12.7 mm (0.5 in.); do not indent for text runovers.
- Table titles and figure captions:

TABLE 5 Effects of All Factors

(Insert title above the table; “Table” is all capitals; title is initial capitals; all type is boldface; extra space but no punctuation after number; no punctuation at end of title.)

FIGURE 3 Example of results.

(Insert caption below the figure; “Figure” is all capitals; caption is sentence case; all type is boldface; extra space but no punctuation after number; period at end of caption.)

References

Searching and Citing Record Papers

Individual papers published in the *Transportation Research Record: Journal of the Transportation Research Board* (TRR) are accessible online to authors who are preparing papers

for consideration for presentation and publication by TRB. Authors who have entered abstracts into the TRB paper submission website will have access to the more than 6,000 papers published in the TRR since 1996, along with the papers that were included in the most recent TRB Annual Meeting Compendium of Papers CD-ROM.

This new tool can be invaluable in providing background and references for a paper. Papers published in the journal since 2004 include complete information for reference citations at the bottom of the first page of each paper. Citing TRR papers raises the “impact factor” of the TRR, which enhances the prestige of the journal and of the papers published.

Access to these papers will be available to authors as follows:

- June 15 to August 1: Open to all authors who have entered at least an abstract of their paper on the TRB paper submission website.
- October 15 to November 15: Open to authors whose papers have been accepted for presentation or publication.
- February 1 to April 1: Open to authors whose papers have been accepted for publication in the TRR.

Guidelines for References

1. The reference list should contain only references that are cited in the text, numbered in the order in which they are first cited. Bibliographic lists will not be published.
2. Denote a reference at the appropriate place in the text with an italicized Arabic numeral in parentheses, e.g., (2). Do not denote text references with superscripts.
3. Do not cite as a reference personal communications, telephone conversations, or similar material that would not be available to readers electronically or in printed form in a library or from the originating agency. Instead, cite the unpublished work in the text and enclose the author’s name along with the term “unpublished data” in parentheses.
4. Do not repeat a reference in the list, and do not use *ibid.*, *idem*, *op. cit.*, or *loc. cit.* If a reference is cited more than once in the text, repeat the number first assigned to the reference.
5. Use the following content guidelines and samples in preparing reference lists:
 - **Printed sources.** Be sure that references to printed sources are complete. Include names of corporate or personal authors or editors, or both; title of article, chapter, book, or report; publisher or issuing agency; volume and issue or report number; page numbers; location of publisher; and year of publication.

TRB Publications

Dewan, S. A., and R. E. Smith. Creating Asset Management Reports from a Local Agency Pavement Management System. In *Transportation Research Record: Journal of the Transportation Research Board*, No. 1853, TRB, National Research Council, Washington, D.C., 2003, pp. 13–20.

Book

Newland, D. E. *Random Vibrations: Spectral and Wavelet Analysis*. John Wiley and Sons, Inc., New York, 1998.

Periodical

Dawley, C. B., B. L. Hogenwiede, and K. O. Anderson. Mitigation of Instability Rutting of Asphalt Concrete Pavements in Lethbridge, Alberta, Canada. *Journal of Association of Asphalt Paving Technologists*, Vol. 59, 1990, pp. 481-508.

Sansalone, M., J. M. Lin, and W. B. Streett. Determining the Depths of Surface-Opening Cracks Using Impact Generated Stress Waves and Time-of-Flight Techniques. *ACI Materials Journal*, Vol. 95, No. 2, 1998, pp. 168-177.

Government Report

Von Quintus, H. L., and A. L. Simpson. *Documentation of the Backcalculation of Layer Parameters for LTPP Test Sections*. Publication FHWA-RD-01-113. FHWA, U.S. Department of Transportation, 2002.

- **CD-ROMs.** References to CD-ROMs should include the same information as references to printed sources and have “CD-ROM” after the title.

Solaimanian, M., J. Harvey, M. Tahmoressi, and V. Tandon. Test Methods to Predict Moisture Sensitivity of Hot-Mix Asphalt Pavements. In *Moisture Sensitivity of Asphalt Pavements*. CD-ROM. Transportation Research Board of the National Academies, Washington, D.C., 2004, pp. 77-110.

- **Websites.** References to websites should include corporate or personal authors, title of document, date of document (if available), web address (complete URL), and date accessed by the author.

Value Pricing Homepage. University of Minnesota, Hubert H. Humphrey Institute of Public Affairs, Minneapolis.
www.hhh.umn.edu/centers/slp/projects/conpric/index.htm. Accessed July 15, 2002.

Guide to Developing Performance-Related Specifications. FHWA-RD-98-155, FHWA-RD-98-156, FHWA-RD-98-171, Vol. III, Appendix C.
www.tfhr.gov/pavement/pccp/pavespec/. Accessed March 5, 2003.

Nemmers, C. Transportation Asset Management. *Public Roads Magazine*, July 1997,
www.tfhr.gov/pubrds/july97/tam.htm. Accessed Jan. 13, 2002.

- **Unpublished papers.** References to unpublished papers presented at meetings should include name(s) of author(s); title of paper; and title, sponsor(s), location, and dates or year of meeting.

Corbett, J. J. Toward Environmental Stewardship: Charting the Course for Marine Transportation. Presented at 83rd Annual Meeting of the Transportation Research Board, Washington, D.C., 2004.

- **Program manuals, tapes, or other documentation for models.** References to these items should cite the specific edition, the department responsible, and the year of release.

MINITAB User's Guide 2: Data Analysis and Quality Tools. Minitab, State College, Pa., 2000, pp. 27–52.

If a reference has no date, use “undated.” Detailed reference style instructions are available on request from the Publications Office.

Metrication

Authors are encouraged to provide measurements in both SI (metric) and U.S. customary units. The measurement unit of the original research should be followed by the equivalent conversion in parentheses. Papers accepted for publication without unit conversions will be published with the measurement units as submitted. TRB will not supply specific conversions for the papers; a general conversion chart appears in the front pages of each volume of the TRR.

Notes: When converting U.S. customary measures of weight (force) and mass into SI units, express weight (force) in newtons and mass in kilograms; express poundforce per square inch (lbf/in.²) of pressure or stress in kilopascals (kPa). For SI units, use prefixes instead of powers of 10.

For tables and figures, provide only the units of the original research and show the base unit conversion in a footnote; for example, 1 mi = 1.61 km. Alternatively, in figures, equivalent units may be shown on the top and right axes of data plots.

Equations

All variables should be defined at first use, either in the text or in the where list for the equation.

1. Fractions in displayed equations should be stacked, in accordance with preferred mathematical practice.
2. If a displayed equation is numbered, use an Arabic numeral in parentheses, placed flush right.

(continued on page 13)

TABLE 1 Measurement Conversions

When You Know:	Multiply by:	To Find:
Length		
inches (in.)	25.4	millimeters (mm)
feet (ft)	0.305	meters (m)
yards (yd)	0.914	meters (m)
miles (mi)	1.61	kilometers (km)
Area		
square inches (in. ²)	645.1	millimeters squared (mm ²)
square feet (ft ²)	0.093	meters squared (m ²)
square yards (yd ²)	0.836	meters squared (m ²)
acres	0.405	hectares (ha)
square miles (mi ²)	2.59	kilometers squared (km ²)
Volume		
fluid ounces (fl oz)	29.57	milliliters (mL)
gallons (gal)	3.785	liters (L)
cubic feet (ft ³)	0.028	meters cubed (m ³)
cubic yards (yd ³)	0.765	meters cubed (m ³)
Mass		
ounces (oz)	28.35	grams (g)
pounds (lb)	0.454	kilograms (kg)
short tons (2,000 lb)(T)	0.907	megagrams (Mg)
Temperature (exact)		
Fahrenheit temperature (°F)	$(F - 32)/1.8$	Celsius temperature (°C)
Illumination		
footcandles (fc)	10.76	lux (lx)
footlamberts (fl)	3.426	candela/m ² (cd/m ²)
Force and Pressure or Stress		
poundforce (lbf)	4.45	newtons (N)
poundforce per square inch (psi)	6.89	kilopascals (kPa)

Equations (continued from page 11)

3. Carefully distinguish the following:
 - All capital and lowercase letters
 - Capital O (“oh”), lowercase o (“oh”), and 0 (zero)
 - Lowercase l (“el”) and number 1 (one)
 - Letter X, Greek chi (χ), and multiplication sign \times
 - Prime \prime , apostrophe $'$, and superscript one 1
 - English and Greek letters such as
 - B and beta (β), upper- or lowercase k and kappa (κ),
 - n and eta (η), v and nu (ν),
 - u and upsilon (υ), u and mu (μ),
 - Upper- or lowercase p and rho (ρ), and w and lowercase omega (ω).

Footnotes

Do not use footnotes to the text. Incorporate the information into the text or delete the notes.

Abbreviations, Acronyms, and Symbols

Abbreviations, acronyms, and symbols must be fully defined at first use in the paper; the definition should be given first, followed by the abbreviated term in parentheses.

Acknowledgment

Authors of papers that report results of research sponsored directly or indirectly by federal programs should indicate this sponsorship in an Acknowledgment section at the end of the text, above References.

Appendices

Do not use appendices. Include pertinent material in the paper itself or, where necessary, include a note that background material—such as derivation of formulas, specifications, or survey forms—is available from the author or in another report, which should be cited in the reference list.

Tables and Figures

For peer review and for the Compendium of Papers CD-ROM, figures and tables should be embedded in the text, as close as possible to the related text. Color is permissible.

If the paper is accepted for publication in the *Transportation Research Record: Journal of the Transportation Research Board*, all tables and figures should be inserted at the end of the manuscript after the list of tables and figures. Use a separate page for each table or figure. Each table and figure must be cited by number in the text.

Authors should bear in mind that the original tables and figures they submit may be reduced for publication. Therefore, authors should ensure that the type in any table or figure they submit with their paper is **at least 10-point font** (typeface). Keep type sizes and fonts uniform and consistent.

Note: The use of color in tables and figures in papers accepted for publication can cause problems in black-and-white reproduction for print. Make sure that color tables and figures translate legibly to black-and-white (grayscale), or make the necessary adjustments to present the tables and figures in black-and-white, following the guidelines below, before resubmitting the final, revised electronic files for publication.

If the table, figure, or photograph submitted is judged not to be of sufficient quality for offset printing, the author will be asked to (a) provide original figures, (b) pay a fee for the redrawing of the figures by the Publications Office, or (c) drop the table, figure, or photograph from the paper.

Tables

Tables should supplement, not duplicate, the text.

1. Tables must conform to TRB style for tables as closely as possible.
 - All tabular material should be single spaced using a font (typeface) no smaller than 10 points. *Use the same font for all tables.*
 - Place titles flush left to align with the left margin of the table use boldface. The word “TABLE” should be in all-capital letters; use initial capitals for the remaining words in the title.
 - Do not submit a table with more than one part. Each part should be a single, separate table with an appropriate table number and title.
 - Give each column in the table a head. [In some cases, the first (stub) column may have no head.] Place abbreviated measurement terms in parentheses under the column head. All heads should be aligned in flush left format.
 - To adhere to Accessibility Guidelines for the vision-impaired reader, avoid the use of spanner heads. For example, “Production per Year” and “Production per Day” should appear as

Production
per Year

Production
per Day

- Insert a rule that extends across the full width of the table under the column heads.
 - Insert a full-width rule at the end of the table (and above the footnotes, if any).
 - Use lowercase italic superscript letters for footnotes.
 - When a dash (-) is used in a table, indicate its meaning in a footnote (for example: missing data, incomplete research, data not applicable or unavailable, or problem investigated but no results).
2. Check the accuracy of all totals included in tables before submitting the paper.
 3. For use of measurements, see section on metrication.

4. Do not use dots or screens.
5. Do not place a box or ruled frame around a finished table.

Figures

Use the following guidelines for figures:

1. Photographs should be high-resolution (at least 300 dpi at a size of 4 in. x 5 in.).
2. Give each figure a caption. Place a figure caption single-spaced below each figure. If a figure contains several parts (a, b, c, etc.), cite each part in the caption and label each corresponding part on the figure using the same size type as that in the rest of the figure.
3. Number figures consecutively in the order first cited in text, using Arabic numerals. Reference must be made to each figure by number at the appropriate place in the text.
4. **Avoid the use of dots or screens in figures and spreadsheet charts, especially in areas that include type.**
 - As alternatives to dots or screens, consider stripes and crosshatching—but not for areas that include type.
 - If dots or screens are used, they should be no more than 30% black. If more than one dot or screen weight is used, there should be a difference of at least 20% between dot or screen values.
 - Legends identifying the significance of dotted, screened or crosshatched elements must be included in the figure.
5. Do not place a box or ruled frame around a finished figure.
6. Figures should be clear and legible:
 - The font (typeface) must be easily readable, not too small.
 - Use the same font for all figures.
 - Letters and symbols must be uniform and the same size throughout the figure (e.g., if wording on the ordinate and abscissa is in 10-point type, the symbols used to identify the data points also should be in 10-point type).
 - Line weights (except for lines indicating different data series in a graph) also must be uniform.
7. For use of measurements, see section on metrication.

HOW TO SUBMIT DISCUSSIONS FOR PAPERS

Written discussions of any paper presented at the TRB Annual Meeting are welcome. Written discussions will be considered for publication in TRB's *Transportation Research Record* series along with the actual paper. The author of the paper will have the opportunity to submit a closure to each discussion.

A written discussion may not exceed 1,250 words, less 250 words for each figure and table. Please notify Rosa Allen at TRB, rallen@nas.edu by February 1 if you plan to submit a written discussion. Include the following information in your notification.

Your contact information:

- Name,
- Title,
- Organization,
- Address,
- Phone,
- Fax, and
- E-mail address.

Paper information:

- Title of the paper as listed in the program and
- Paper number.

After receiving notification, TRB staff will verify that the paper will be published. When the final manuscript of the paper is received from the author, TRB will provide the discussant with a copy. This ensures that all prepared discussions address the most recent version of the paper.

The discussion manuscript should be submitted to Rosa Allen at TRB, rallen@nas.edu, by May 1 in electronic format as Microsoft Word (6.0 or later version); please see the file format guidelines for papers.

ALTERNATIVE SUBMITTAL VIA MAIL AND E-MAIL ATTACHMENT

TRB strongly encourages authors to submit papers electronically via the Internet. However, authors who do not have web access may submit the electronic file of the manuscript via mail using 3.5-in., IBM-compatible diskettes or other electronic storage media such as Zip disk or CD or they may send the file as an e-mail attachment. **The electronic files must conform to the specifications for Internet submittal.** The package submitted by mail must include a hard-copy printout of all files and all tables and figures; hard copies also should be mailed for files sent as e-mail attachments.

Submittal in any format not compatible with the specifications for Internet submittal as outlined above and special instructions for submittal by mail as described in this section will be subject to fees for special handling and processing.

To submit papers by mail or as an e-mail attachment for peer review or for the Compendium of Papers CD-ROM after acceptance for presentation, contact Rosa Allen, Transportation Research Board, Keck W440, 500 Fifth Street, NW, Washington, DC 20001; e-mail: rallen@nas.edu.

The deadlines for receipt of submissions via the web apply also to papers submitted by mail: August 1 for peer review and November 15 for the Compendium of Papers CD-ROM.

To submit papers by mail or as an e-mail attachment after acceptance for publication in the Record series, contact Phyllis Barber, Transportation Research Board, Keck 471B, 500 Fifth Street, NW, Washington, DC 20001; e-mail: pbarber@nas.edu. The deadline is April 1.

OTHER INFORMATION

Contacting TRB

Visit the TRB website to find the TRB staff representative:
<http://gulliver.trb.org/publications/dva/DivA-Directory.pdf>

Publication Proofs

TRB editors make every effort to preserve the meaning or emphasis of the authors' language. Nevertheless, changes in meaning may be introduced inadvertently, and errors occasionally may occur in print. Some authors, therefore, may wish to see proofs of their papers before publication in TRB's *Transportation Research Record*.

Proofs may be obtained only by written request to the TRB Publications Office. A flat-rate charge of \$20.00 (payable in advance to TRB) will be assessed for copying and handling proof paper.

Authors are required to review proofs within 2 days of receipt and to telephone, fax, or e-mail any corrections, subsequently mailing the corrected proofs to the Publications Office for verification within 10 days. (The author requesting review of proofs will receive written notice approximately 3 weeks before proofs are mailed so that an alternative reader can be designated if the author will be unavailable at the scheduled time.)

Decisions about whether changes (other than errors) will be made must rest with the editors. Authors will be charged a fee for alterations to the original paper submitted for publication, but not for corrections of any errors inadvertently introduced during the editing process. Because alterations are costly, **authors should not consider the review of proofs an opportunity to revise or update their papers.**

To obtain a proof copy of a paper, contact Phyllis Barber, Transportation Research Board, Keck 471B, 500 Fifth Street, NW, Washington, DC 20001; e-mail: pbarber@nas.edu.

Annual Meeting Registration Fees

All participants listed in the printed Annual Meeting program are entitled to reduced registration fees. TRB is unable to reimburse travel and other expenses of participants.

TRB PEER REVIEW PROCESS FOR PUBLICATION

(Click here for a detailed account of the [TRB Peer Review Process](#).)

**TRANSPORTATION RESEARCH RECORD:
JOURNAL OF THE TRANSPORTATION RESEARCH BOARD**

Peer Review Process

The *Transportation Research Record: Journal of the Transportation Research Board* publishes approximately 30% of the more than 2,800 papers that are peer reviewed each year. The mission of the Transportation Research Board (TRB) is to disseminate research results to the transportation community. The Record series contains applied and theoretical research results as well as papers on research implementation.

The TRB peer review process for the publication of papers allows a minimum of 30 days for initial review and 60 days for rereview, to ensure that only the highest-quality papers are published. At least three reviews must support a committee's recommendation for publication. The process also allows for scholarly discussion of any paper scheduled for publication, along with an author-prepared closure.

The basic elements of the rigorous peer review of papers submitted to TRB for publication are described below.

Paper Submittal: June 1–August 1

Papers may be submitted to TRB at any time. However, most authors use the TRB web-based electronic submission process available between June 1 and August 1, for publication in the following year's Record series.

Initial Review: August 15–November 15

TRB staff assigns each paper by technical content to a committee that administers the peer review. The committee chair assigns at least three knowledgeable reviewers to each paper. The initial review is completed by mid-September.

By October 1, committee chairs make a preliminary recommendation, placing each paper in one of the following categories:

1. Publish as submitted or with minor revisions,
2. Publish pending author changes and rereview, or
3. Reject for publication.

By late October, TRB communicates the results of the initial review to the corresponding author indicated on the paper submission form. Corresponding authors communicate the information to coauthors. Authors of papers in Category 2 (above) must submit a revised version addressing all reviewer comments and must include a cover letter explaining how the concerns have been addressed.

Rereview: November 20–January 25

The committee chair reviews revised papers in Category 1 (above) to ensure that the changes are made and sends the Category 2 revised papers to the initial reviewers for rereview. After rereview, the chairs make the final recommendation on papers in Categories 1 and 2. If the paper has been revised to the committee's satisfaction, the chair will recommend publication. The chair communicates the results of the rereview to the authors.

Discussion: February 1–May 1

After the Annual Meeting, discussions may be submitted for papers that will be published. TRB policy is to publish the paper, the discussion, and the author's closure in the same Record.

Attendees interested in submitting a discussion of any paper presented at the TRB Annual Meeting must notify TRB no later than February 1. If the paper has been recommended for publication, the discussion must be submitted to TRB no later than May 1. A copy of this communication is sent to the author and the committee chair.

The committee chair reviews the discussion for appropriateness and asks the author to prepare a closure to be submitted to TRB by June 1. The committee chair reviews the closure for appropriateness. After the committee chair approves both discussion and closure, the paper, the discussion, and the closure are included for publication together in the same Record.

Final Manuscript Submittal: April 1

In early February, TRB requests a final manuscript for publication—to be submitted by April 1—or informs the author that the paper has not been accepted for publication. All accepted papers are published by December 31.

Paper Awards: April to January

The TRB Executive Committee has authorized annual awards sponsored by Groups in the Technical Activities Division for outstanding published papers:

- Charley V. Wootan Award (Policy and Organization Group);
 - Pyke Johnson Award (Planning and Environment Group);
 - K. B. Woods Award (Design and Construction Group);
 - Patricia F. Waller Award (Safety and System Users Group);
 - D. Grant Mickle Award (Operations and Maintenance Group);
- and
- John C. Vance Award (Legal Resources Group).

Other Groups also may nominate published papers for any of the awards above. In addition, each Group may present a Fred Burggraf Award to authors 35 years of age or younger.

Peer reviewers are asked to identify papers worthy of award consideration. Each Group reviews all papers nominated for awards and makes a recommendation to TRB by September 1. TRB notifies winners of the awards, which are presented at the following TRB Annual Meeting.

TRB Annual Meeting

The majority of papers are submitted to TRB for both publication and presentation. Chairs of committees that review papers for publication also make recommendations on presentations. After completion of the initial review, in addition to making the preliminary publication recommendations, chairs make presentation recommendations. This ensures high-quality paper sessions at the Annual Meeting. Authors of all papers on the program are asked to submit the revised versions of their papers electronically for a Compendium of Papers distributed at the Annual Meeting.

Transportation Research Board
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THE NATIONAL ACADEMIES

Advisers to the Nation on Science, Engineering, and Medicine

The **National Academy of Sciences** is a private, nonprofit, self-perpetuating society of distinguished scholars engaged in scientific and engineering research, dedicated to the furtherance of science and technology and to their use for the general welfare. On the authority of the charter granted to it by the Congress in 1863, the Academy has a mandate that requires it to advise the federal government on scientific and technical matters. Dr. Ralph J. Cicerone is president of the National Academy of Sciences.

The **National Academy of Engineering** was established in 1964, under the charter of the National Academy of Sciences, as a parallel organization of outstanding engineers. It is autonomous in its administration and in the selection of its members, sharing with the National Academy of Sciences the responsibility for advising the federal government. The National Academy of Engineering also sponsors engineering programs aimed at meeting national needs, encourages education and research, and recognizes the superior achievements of engineers. Dr. William A. Wulf is president of the National Academy of Engineering.

The **Institute of Medicine** was established in 1970 by the National Academy of Sciences to secure the services of eminent members of appropriate professions in the examination of policy matters pertaining to the health of the public. The Institute acts under the responsibility given to the National Academy of Sciences by its congressional charter to be an adviser to the federal government and, on its own initiative, to identify issues of medical care, research, and education. Dr. Harvey V. Fineberg is president of the Institute of Medicine.

The **National Research Council** was organized by the National Academy of Sciences in 1916 to associate the broad community of science and technology with the Academy's purposes of furthering knowledge and advising the federal government. Functioning in accordance with general policies determined by the Academy, the Council has become the principal operating agency of both the National Academy of Sciences and the National Academy of Engineering in providing services to the government, the public, and the scientific and engineering communities. The Council is administered jointly by both the Academies and the Institute of Medicine. Dr. Ralph J. Cicerone and Dr. William A. Wulf are chair and vice chair, respectively, of the National Research Council.

The **Transportation Research Board** is a division of the National Research Council, which serves the National Academy of Sciences and the National Academy of Engineering. The Board's mission is to promote innovation and progress in transportation through research. In an objective and interdisciplinary setting, the Board facilitates the sharing of information on transportation practice and policy by researchers and practitioners; stimulates research and offers research management services that promote technical excellence; provides expert advice on transportation policy and programs; and disseminates research results broadly and encourages their implementation. The Board's varied activities annually engage more than 5,000 engineers, scientists, and other transportation researchers and practitioners from the public and private sectors and academia, all of whom contribute their expertise in the public interest. The program is supported by state transportation departments, federal agencies including the component administrations of the U.S. Department of Transportation, and other organizations and individuals interested in the development of transportation.

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