

K-TRAN

KANSAS TRANSPORTATION RESEARCH AND NEW - DEVELOPMENTS PROGRAM

The K-TRAN Program is an ongoing, cooperative and comprehensive research program addressing transportation needs of the State of Kansas utilizing academic and research resources from the Kansas Department of Transportation, Kansas State University and the University of Kansas. Projects included in the annual research program are jointly developed by professionals at KDOT, KSU and KU.

Major benefits of the program include development of a flow of high quality transportation research targeted to Kansas transportation needs; financial support to engineering students contributing to the pool of transportation professionals in Kansas; continuing education opportunities for KDOT personnel; enhanced quality of faculty, staff and graduates in the transportation area; attracted federal research resources for use in Kansas; and a much expanded but efficiently organized transportation research resource in Kansas.

Electronic full text copies of completed K-TRAN research reports and summaries may be located on the [KDOT Research Reports Catalog](#) web site.

Information about active K-TRAN projects may be found on the [TRB Research in Progress \(RiP\)](#) web site.

[K-TRAN annual solicitation guidelines](#)

[K-TRAN annual timeline](#)

[KDOT Research Organization and committee members](#)

Contacts for more information:

Rodney A. Montney, P.E., Engineer of Research and Chairman of Technical Committee (785-296-7410) Fax: 785-296-2526, rodney@ksdot.org

Sunanda Dissanayake, Ph.D, Kansas State University (785-532-1540), sunanda@ksu.edu

Bruce McEnroe, Ph.D., University of Kansas (785-864-2925), mcenroe@ku.edu

K-TRAN ANNUAL SOLICITATION GUIDELINES

Research project statements that are submitted by annual deadline will be evaluated by K-TRAN Area Panels, and prioritized by the Research Technical Committee. The Research Program Council approves an annual program using input from the Research Technical Committee and Area Panels. The seven Area Panels that have been organized for the review and development of research ideas are:

- Planning, Administration and Computing
- Operations: Pavements, Materials, Construction and Maintenance
- Geometric Design, Drainage and Environmental
- Structural
- Traffic Operations; Driver and Pedestrian Safety
- Multimodal: Rail, Aviation, Public Transit and Freight
- Local Governments

Research Needs Day is held in October in Topeka to discuss research needs developed from the annual idea solicitation and other topics of interest to both the Area Panel members and faculty attending. This is an opportunity for faculty attending to discuss potential research topics they have and get feedback prior to preparing their research project statements (preproposals).

Submit one copy of all research project statements using the following [format](#) before November 27th, each year to your University K-TRAN Technical Committee Coordinating Group Representative:

University of Kansas
Bruce McEnroe, Ph.D.
Dept. of CEAE
2006 Learned Hall
1530 W. 15th St.
Lawrence, Kansas 66045-7609
mcenroe@ku.edu

Kansas State University
Sunanda Dissanayake, Ph.D.
Dept. of Civil Engineering
2118 Fiedler Hall
Manhattan, Kansas 66506
sunanda@ksu.edu

Dr. Dissanayake and Dr. McEnroe will number the original research project statements and electronically submit them to KDOT by December 1st each year.

FORMAT FOR RESEARCH PROJECT STATEMENTS

Submit one copy of research project statements (pre-proposals) with no more than two, single-spaced pages containing following information to your University K-TRAN representative (Dr. Dissanayake, KSU or Dr. McEnroe, KU):

- I. RESEARCH PROJECT TITLE
- II. RESEARCH PROBLEM STATEMENT
- III. RESEARCH PROPOSED OR RESEARCH OBJECTIVES
Include tasks to be performed
- IV. ESTIMATE OF FUNDING AND RESEARCH PERIOD
Inclusive of indirect costs, if appropriate
Do not provide budget -- only overall estimated costs
Include the anticipated period of performance
- V. URGENCY AND PAYOFF POTENTIAL
Include expected benefits expressed in dollars saved if results expected are obtained and implemented
- VI. IMPLEMENTATION STRATEGY
- VII. PROJECT PERSONNEL
Faculty and students who might be involved with the project
- VIII. SUBMISSION INFORMATION
Date
Name and Title
University address
University telephone and Fax number
E-mail address

Use Standard English units in all research project statements, interim reports and final reports. Prepare the final report in Microsoft Word and submit file on CD as well as on paper.

GUIDELINES FOR EVALUATING RESEARCH IDEAS

Guidelines have been developed to assist the Research Technical Committee in formulating and recommending research projects for inclusion in the K-TRAN Program. These guidelines will be used in the review of research ideas for development into complete proposals for further consideration.

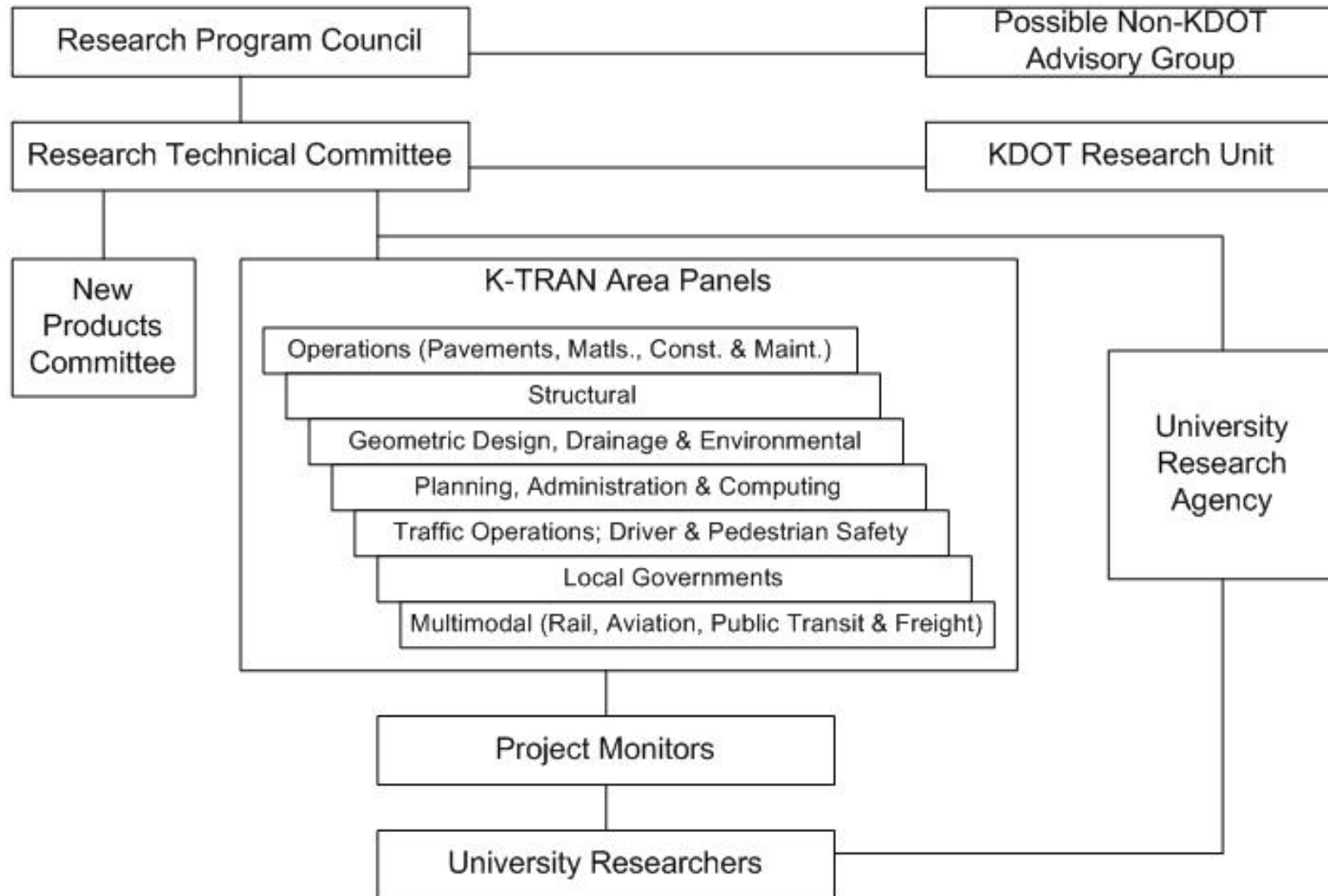
- Relevance to critical research needs of KDOT
- Projects with a high payoff potential described in dollars that can be saved if the research results envisioned result and are implemented.
- Relevance of proposed research idea to the theme of K-TRAN
- Amount of overlap of the proposed research idea with other programs or completed research idea with other programs of completed research (Proposed research should not be targeted for research topics or issues currently underway through the National Cooperative Highway Research Program National Cooperative Transit Research Program, or the Local Technology Assistance Program.)
- Duration of proposed research project. Project statements should be prepared with the most cost-effective duration considering the required workload, typical length of graduate study programs and other factors. The correct length of time shown should result in the project being completed without any cost extensions.
- Extent to which minorities and handicapped persons are involved in the research, either as participants, recipients or beneficiaries.

K-TRAN ANNUAL TIMELINE

Solicit research ideas from staff, local government officials and industry partners	June 15 *
Deadline for submission of research ideas to Engineer of Research	Aug. 15
Research Program Council review	Sept. 1
Request for K-TRAN Research Project Statements	Nov. 1
Deadline for Research Project Statements on campus	Nov. 27
Deadline for Research Project Statements to KDOT	Dec. 1
Assign RPS to Area Panels/ Research Technical Committee (RTC) meeting	Dec. 15
Area Panel RPS evaluations completed/RTC meets to discuss and ballot RPS evaluations	Feb. 15
Research Program Council discusses and approves annual K-TRAN Program and budget	Mar. 1
Detailed Proposals Prepared for Approved Projects	Apr. 1
Agreements prepared and signed for early start projects	May 1

*approximate dates

KDOT Research Organization



Research Technical Committee

At Large Members:

Rodney A. Montney, Engineer of Research and Chairman of Technical Committee (296-7410)
Fax: (785) 296-2526 rodney@ksdot.org

Susan Barker, Technology Transfer Engineer and Secretary of Committee (296-7410)
SusanB@ksdot.org

Roy Rissky, Chief, Bureau of Construction and Maintenance (296-3576) RoyR@ksdot.org

Anthony Schlinsog, Acting Chief, Bureau of Computer Services (296-3727) schlinsog@ksdot.org

Area Panel Leaders:

Planning, Administration and Computing: Dennis Slimmer, Chief, Bureau of Transportation Planning (296-3865), Dennis@ksdot.org

Operations: Pavements, Materials, Construction and Maintenance: Rick Kreider, Chief, Bureau of Materials and Research (296-3711) RickK@ksdot.org

Geometric Design, Drainage and Environmental: Jim Brewer, Engineering Manager, State Road Office (296-3901) Jbrewer@ksdot.org

Structural: Loren Risch, Engineering Manager-State Bridge Office (296-3761) loren@ksdot.org

Traffic Operations; Driver and Pedestrian Safety: Mike Floberg, Chief, Bureau of Transportation Safety and Technology (296-7431) Floberg@ksdot.org

Multimodal: Rail, Aviation, Public Transit and Freight: Joel Skelley, State Multimodal Planner, Bureau of Transportation Planning (296-4209) joelsk@ksdot.org

Local Governments: Ron Seitz, Chief, Bureau of Local Projects (296-3861) Seitz@ksdot.org

University Designees:

Bruce McEnroe, Ph.D., University of Kansas (864-2925), mcenroe@ku.edu
Thomas Mulinazzi, Ph.D., University of Kansas (864-2928), tomm@ku.edu
Sunanda Dissanayake, Ph.D, Kansas State University (532-1540), sunanda@ksu.edu
Mustaque Hossain, Ph.D., Kansas State University (532-1576), mustak@ksu.edu

FHWA Representative:

Byron Low, FHWA Kansas Division (271-2448 Ext. 205) byron.low@fhwa.dot.gov

K-TRAN Area Panel Members

Planning, Administration and Computing:

KDOT: Dennis Slimmer, Chief, Bureau of Transportation Planning (296-3865), Dennis@ksdot.org

FHWA: Byron Low, Planning Team Leader; FHWA-Kansas Division, 6111 SW 29 Street, Suite 100, Topeka, Kansas 66614-4271, (271-2448 Ext. 205) byron.low@fhwa.dot.gov

KSU: Bobb Stokes, Professor, Kansas State University, Department of Civil Engineering, 2118 Fiedler Hall, Manhattan, Kansas 66506, (532-1595) drbobb@ksu.edu

KU: Patricia Weaver, Associate Director KUTC, 2160 Learned Hall, 1530 West 15th Street, Lawrence, Kansas 66045-7609 (864-2595) weaver@ku.edu

Operations: Pavements, Materials, Construction and Maintenance:

KDOT: Rick Kreider, Chief, Bureau of Materials and Research, KDOT, (296-3711) RickK@ksdot.org and Roy Rissky, Chief, Bureau of Construction and Maintenance, KDOT, (296-3576) royr@ksdot.org

FHWA: Tom Deddens, Pavement Engineer, (271-2448 Ext. 212) tom.deddens@fhwa.dot.gov and Doug Daugherty, Construction Engineer, (271-2448 Ext. 215), both FHWA-Kansas Division, 6111 SW 29th Street, Suite 100, Topeka, Kansas 66614-4271

KSU: Mustaque Hossain, Professor, Kansas State University, Department of Civil Engineering, 2118 Fiedler Hall, Manhattan, Kansas 66506, (532-1576) mustak@ksu.edu

KU: Robert Parsons, Assistant Professor, University of Kansas, CEAE Department, 2150 Learned Hall, 1530 West 15th Street, Lawrence, Kansas 66045-7609 (864-2946) rparsons@ku.edu

Traffic Operations; Driver and Pedestrian Safety:

KDOT: Mike Floberg, Chief, Bureau of Transportation Safety and Technology (296-7431) Floberg@ksdot.org

FHWA: David LaRoche, Program Development/Transportation Engineer, FHWA-Kansas Division, 6111 SW 29th Street, Suite 100, Topeka, Kansas 66614-4271, (271-2448 Ext. 210) david.laroche@fhwa.dot.gov

KSU: Sunanda Dissanayake, Assistant Professor, Kansas State University, Department of Civil Engineering, 2118 Fiedler Hall, Manhattan, Kansas 66506, (532-1540) sunanda@ksu.edu

KU: Mehrdad Givechi, Program Assistant / Research Engineer, KUTC, 2160 Learned Hall, 1530 West 15th Street, Lawrence, Kansas 66045-7609 (864-2593) mgivechi@ku.edu

Structural:

KDOT: Loren Risch, Engineering Manager, State Bridge Office, Bureau of Design, KDOT, (296-3761) loren@ksdot.org

FHWA: Steve Toillion, Structural Engineer, FHWA-Kansas Division, 6111 SW 29th Street, Suite 100, Topeka, Kansas 66614-4271, (271-2448 Ext. 213) steven.toillion@fhwa.dot.gov

KSU: Asad Asmaeily, Assistant Professor, Kansas State University, Department of Civil Engineering, 2118 Fiedler Hall, Manhattan, Kansas 66506, (532-6063) asad@ksu.edu

KU: JoAnn Browning, Assistant Professor, University of Kansas, CEAE Department, 2150 Learned Hall, 1530 West 15th Street, Lawrence, Kansas 66045-7609 (864-3723) jpbrown@ku.edu

Geometric Design, Drainage and Environmental:

KDOT: Jim Brewer, Engineering Manager, State Road Office, Bureau of Design, KDOT, (296-3901) Jbrewer@ksdot.org

FHWA: John Knowles, Transportation Engineer, FHWA-Kansas Division, 6111 SW 29th Street, Suite 100, Topeka, Kansas 66614-4271, (271-2448 Ext. 211) john.knowles@fhwa.dot.gov

KSU: Steve Starrett, Associate Professor, Kansas State University, Department of Civil Engineering, 2118 Fiedler Hall, Manhattan, Kansas 66506, (532-1583) steveks@ksu.edu

KU: Dave Parr, Professor, University of Kansas, CEAE Department, 2150 Learned Hall, 1530 West 15th Street, Lawrence, Kansas 66045-7609, (864-3808) parr@ku.edu

Multimodal: Rail, Aviation, Public Transit, Freight:

KDOT: Joel Skelley, State Multimodal Planner, Bureau of Transportation Planning, KDOT, (296-4209) joelsk@ksdot.org

FHWA: Steve Foust, Assistant Programs Engineer, FHWA-Kansas Division, 6111 SW 29th Street, Suite 100, Topeka, Kansas 66614-4271, (271-2448 Ext. 221) steve.foust@fhwa.dot.gov

KSU: Michael W. Babcock, Professor, Kansas State University, Department of Economics, 317 Waters Hall, Manhattan, Kansas 66506, (532-4571) mwb@ksu.edu

KU: Patricia Weaver, Associate Director KUTC, 2160 Learned Hall, 1530 West 15th Street, Lawrence, Kansas 66045-7609 (864-2595) weaver@ku.edu

Local Governments:

KDOT: Ron Seitz, Chief, Bureau of Local Projects, KDOT, (296-3861) Seitz@ksdot.org

FHWA: Rusty Simerl, Engineering Services Team Leader, FHWA-Kansas Division, 6111 SW 29th Street, Suite 100, Topeka, Kansas 66614-4271, (271-2448 Ext. 206) james.simerl@fhwa.dot.gov

KSU: Sunanda Dissanayake, Assistant Professor, Kansas State University, Department of Civil Engineering, 2118 Fiedler Hall, Manhattan, Kansas 66506, (532-1540) sunanda@ksu.edu

KU: Tom Mulinazzi, Professor and Chair, University of Kansas, CEAE Department, 2150 Learned Hall, 1530 West 15th Street, Lawrence, Kansas 66045-7609, (864-2928) tomm@ku.edu