

RITA
SEMI-ANNUAL REPORT

January 1 – June 30, 2005
(TEA-21)

For the

UNIVERSITY TRANSPORTATION CENTER FOR ALABAMA

A University Transportation Center
Reporting to

The Research & Innovative Technology Administration
US Department of Transportation

July 31, 2004

Daniel S. Turner, Executive Director
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A. SUCCESS STORIES

Introduction by Executive Director

The University Transportation Center for Alabama (UTCA) is a joint effort of the three campuses of The University of Alabama System: The University of Alabama (UA) located in Tuscaloosa, The University of Alabama at Birmingham (UAB), and The University of Alabama in Huntsville (UAH). In mid-spring, the Center completed its sixth full year of operation. The number of faculty members and students that have worked with UTCA, the number of research projects completed and many other metrics continue to follow the most optimistic projections of the three managers who planned UTCA and nurtured it through its formative years.

With pride, we note that the constant growth and repeated emphasis on all three aspects of the center (education, research and tech transfer) have paid dividends, and have made UTCA a fixture in the state and region. We feel that the following success stories illustrate this point, and that they show that the hallmark of the Center's operation is wide network of talented, interdisciplinary faculty members recruited from all three campuses to participate in transportation education, research, and technology transfer activities.

It is my constant pleasure to work with the many individuals who contribute to UTCA, and to see their many efforts benefit transportation stakeholders in Alabama and the region.

Sincerely,

Daniel S. Turner
Director of UTCA

1. Article Published by Undergraduate Research Assistants

Four UTCA undergraduate research assistants recently (ITE) authored a paper that was accepted for publication by the Institute of Transportation Engineers. The four students (Misses and Georgia Harmon, Jennifer Pugh, Marlo Wright, and Kelly Rainwater) are all civil engineering students at the University of Alabama, and wrote “Communication Skills for Transportation Engineers” based upon a literature review and their observations in the classroom. The coauthor is Dr. Dan Turner, UTCA Director, who will present the paper for them at the Annual Meeting of ITE in August, 2005. The paper will be published in the meeting Proceedings, and will be the first publication for each of the students.

The article is addressed to transportation professionals, and overviews the principles of communication, including: leadership – the foundation of communication; good listening – the hardest part of communication; knowing your audience – technical level, biases, etc.; connecting with your audience – identifying the heart of your message and packaging it to fit the audience; advocacy – an underused practice for transportation professions; and negotiation – a necessary skill for demanding jobs.



Authors Georgia Harmon, Jenny Pugh, Marlo Wright, and Kelly Rainwater

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2. Continued Success for Summer Program at UAH

Dr. Kate Leonard conducted her sixth year of the “Gearing Up for Transportation Engineering Program” summer program at the University of Alabama in Huntsville (UAH). The overall objective of the program has been to encourage females and underrepresented students to consider a career in transportation engineering by providing them a fun learning experience in an academic setting. More than 180 middle school students have participated in this week-long event, learning the “basics” of materials, structures, safety and other transportation engineering topics by performing hands-on experiments. UAH civil engineering professors and local professional engineers acted as instructors. Field trips were incorporated into the program to reinforce the importance of transportation engineers to our community. This included a session on public transportation in which the students had to plan and implement a route to go from campus to the downtown Huntsville traffic operations center and the railroad depot museum. Later students were rewarded with a picnic lunch at historic Big Spring Park.

The alumni program was also extremely popular this year for students who participated in the summer program in previous years. Twelve students were selected to come to campus for a day to work with faculty in one area of civil engineering. For example, they learned how to use GPS to locate areas on the UAH campus and then downloaded their data onto a digital map with Dr. Michael Anderson. Another day they designed, built, and raced solar-powered cars with Dr. Kate Leonard.



GUETP summer program students at Huntsville Traffic/Operations Center.



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3. ITS Lab Nears Completion

A Traffic Management Center/ITS Development Lab is being installed in the suite of transportation labs in Shelby Hall. This has been a cooperative effort of academia, a city agency, and the private sector. Civil engineering faculty members at four universities (UA, UAB, UAH and Auburn), the City of Tuscaloosa Department of Transportation (TDOT), and practicing ITS professionals have contributed to its design.

TDOT initiated the concept by offering to host a lab as a satellite of their current traffic management center. The concept was nurtured by a UA alumnus, Selvin Greene – MSCE in Transportation, who currently operates the City of Birmingham’s traffic management center. Selvin designed the Shelby Hall lab in conjunction with TDOT managers, so that the lab mirrors the City’s operating center. That will allow UA to use the software, data, video, and command/control features of the TDOT operation.

Initially, a laboratory exercise will be incorporated into the undergraduate introductory transportation course, and the lab will be used for graduate instruction and research. Over the long term, the lab will become “virtual” and will be offered via the Internet to all civil engineering programs in the state.

One of the interesting developments is that during the planning process, TDOT and the University realized that the lab could serve as TDOT’s emergency backup site, which was formalized through an executed agreement. This has provided a layer of redundancy that is so essential to planning for emergency response, and has strengthened the City-University relationship.

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4. UTCA Researcher Receives Best Paper Award

Dr. Virginia P. Sisiopiku, an Associate Professor of Civil Engineering at the University of Alabama at Birmingham (UAB), was the 2003 winner of the “Best Sponsored Technical Paper Award” presented by the Southern District of the Institute of Transportation Engineers (ITE). The winning paper was titled “Advanced Technology Options for Enhancing Pedestrian Safety,” and it was presented at the 53rd Annual Meeting of the ITE Southern District in Savannah, GA in April 2005. Dr. Sisiopiku’s research examined factors that contribute to pedestrian accidents and countermeasures to reduce them. Moreover, the study assessed the effectiveness of the countermeasures based on results from evaluation studies and provided guidance on the selection of proper treatments for addressing specific pedestrian safety problems. Particular attention was given to innovative treatments that involve applications from the area of Intelligent Transportation Systems (ITS).

Dr. Sisiopiku has been quite active in supporting the mission and goals of UTCA, conducting projects in freeway ramp metering, simulation of traffic flow in emergency conditions, and access management training. In addition, she is the faculty advisory for the Institute of Transportation Engineers student chapter at UAB.

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5. Grad Students Attend TRB Annual Meeting

The second year of our graduate student research paper competition expanded the popularity and success of the program. The program was conducted as UTCA project 04306 by Dr. Mike Anderson of UAH, and had two components: (1) a research paper competition, and (2) a trip to the Annual Meeting of the Transportation Research Board (TRB) for the “winning” students.

In the fall of 2004, students from all three campuses submitted abstracts on their research topics. One student from each campus was selected to present a paper at the 2nd Annual UTCA Research Results Symposium held in Birmingham in November. The paper session was attended by transportation professionals from across the state. This year an additional concept was added; ten additional students were selected to conduct a poster session. This session was also well attended. It was the last event of the day and transitioned into a student reception in the same room, hosted by the UAB Student Chapter of ITE.

Travel funding was provided to the “winning” students to attend TRB in Washington D.C. to hear technical presentations. Funding was provided as part of the UTCA project. While at TRB, the students attended sessions and committee meetings related to their research, and gathered first-hand data from national experts. When they returned home campuses, they were required to submit a summary paper describing their activities at TRB and what they learned about research and specifically what they learned about their thesis/dissertation topics.



Students who presented research papers at the 2nd Annual UTCA Research Results Symposium

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6. Administrative Realignment is Effective

UTCA is unique in that it has a primary administrative office, and additionally operates small branch offices on all three campuses of the University of Alabama System. This arrangement provides an Associate Director to provide faculty activities on each campus. This arrangement has been the key to the successful development of an interdisciplinary, multi-campus network of faculty and student researchers.

During the fall of 2004, some of the administrative responsibilities of UTCA were realigned to make the operation of the Center more efficient and cost effective. All of the primary activities associated with the awarding of projects (compile Annual Research Plan, issue request for pre-proposals, recruit external peer reviewers, conduct peer review, notify selected faculty to prepare full proposals, conduct and screening of full proposals, work with successful faculty members to “clean up” minor issues and recommend funding) were shifted to Assistant Director Fouad Fouad at the University of Alabama at Birmingham (UAB). At the same time, the responsibilities for preparation of the Annual Report (collection of data from faculty, administrators and registrars on three campuses; screening of data; writing draft materials for review, identifying graphics and other finishing touches) were shifted to Dr. James Cruise, Associate Director at the University of Alabama in Huntsville (UAH).

The early assessment of the realignment has been positive on all three campuses. The Director’s office has been able to shift effort toward planning and grantsmanship. The Associate Directors, with the able assistance of their respective staffs, have recently completed one round of their new responsibilities in a very successful manner. An added benefit of the new arrangement is that the Associate Directors become more involved in the Center’s activities at the other campuses, have learned more about the overall operation of the center, and become better acquainted with the many professionals in Alabama who work to make the Center the successful enterprise that it has become. It is felt that the UTCA will function more effectively under the new arrangement and will be better able to serve the needs of the USDOT and the Alabama transportation community.

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7. Example Research, Ramp Metering Project

This project assessed the applicability of various ramp metering strategies for congested freeway segments in Alabama. The study reviewed ramp metering practices, developed a synthesis of best practices based on experiences in other states, and analyzed and compared the impact of various ramp metering strategies on freeway and ramp operations for various demand levels on the mainline and ramp. Simulation and cost-benefit analyses were used to identify conditions under which ramp metering applications are justified. Moreover, the study identified Birmingham Interstate corridors that may benefit from ramp metering, and evaluated the impacts of various ramp metering options on such corridors through a simulation study and a cost-benefit analysis.

The simulation was performed using the CORSIM micro-simulation model and the cost-benefit analysis was based on the IDAS software. The project was sponsored by UTCA and conducted by Dr. Virginia Sisiopiku at UAB. The results of the project were presented at the 2004 Huntsville Simulation Conference and published in the conference proceedings.

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B. RESEARCH PROJECT STATUS

Table 1: New Projects (Since 2004 Annual Report)

Table 2: Projects Underway

Table 3: Projects Completed

Table 4: Non UTC Projects

Table 1. New Projects (since 2004 Annual Report)

Project No.	Project Title	PI	Start-Date	End-Date
05104	ALDOT Bridge Load Testing Manual	Richardson, J.	1-Jun-05	15-Aug-06
05106	Engr. Document Repository Optimization	Duggan, E.	1-Jul-05	30-Jun-06
05107	Advanced Transportation Institute - 05	Turner, D.	1-Jan-05	31-Dec-05
05109	Risk-Based Bridge Inspection and Maint.	Fridley, K.	1-Jun-05	31-May-06
05114	Alt. Financing Sources for Ala Highways	McLeod, R.	1-Jan-05	31-Dec-05
05205	Technology Transfer Program Continuation	Jones, S.	1-Jan-05	31-Dec-05
05209	Culvert Management System Seminar	Davidson, J.	1-Jun-05	31-May-06
05215	Prefab Concrete Bridge Systems for ALDOT	Rizk, T.	1-Jan-05	31-Dec-05
05228	Low Cost Thermoplastic Bridge Superst're	Uddin, N.	1-Jun-05	30-jun-06
05301	Student Funding to Attend TRB Conference	Anderson, M.	1-Jan-05	28-Feb-06
05303	Transportation Summer Institute 2004	Leonard, K.	1-Jan-05	31-Dec-05
05307	Alabama Transportation Cyber Security	Murphy, L.	1-Jan-05	31-Dec-05
05312	Mgmt of Functionally Impaired Drivers	Leonard, K.	1-Jun-05	31-May-06
05315	Resource for LRFD Steel Bridge Design	Toutanji, H.	1-Jun-05	31-Jul-06
05402	Training Bureau Enhancement	Wingenter, T.	18-Jan-05	30-Jun-05
05403	Signalized Intersection Crashes	Turner, D.	25-May-05	28-Feb-06
05406	Research & Development Peer Exchange	Turner, D.	25-Feb-05	31-May-05

Table 2. Projects Underway

Project No.	Project Title	Faculty Name	Start Date	End Date
01105	Emergency Evacuation Procedures	Triche, M.	1-Jan-01	31-Oct-02
03112	Bridge Decay/Maintenance Forecasting	Sharpe, S.	1-Jan-03	31-Dec-03
03229	Vulnerability Reduction for Bridges	Uddin, N.	1-Jan-03	1-Aug-04
03402	Proof Load Test Concrete Bridges	Richardson, J.	1-Jan-03	31-Dec-03
03304	GIS to Accompany CARE	Gholston	1-Jan-03	1-Aug-04
03416	Pavement Condition Management Update	Hale, D.	1-May-03	30-Jun-004
03417	Roadway GASB	Hale, D.	1-Aug-03	31-May-04
03418	Bridge Management System	Hale, J.	1-Aug-03	31-May-04
03419	Statewide Needs Analysis	Hale, D.	1-Apr-03	/31-Dec-03
04101	Minimizing Highway Const. Emissions	Williamson, D.	1-Jan-04	31-Dec-04
04111	Web Enabled Bridge Sufficiency	Malloy, A.	1-Jan-04	31-Dec-04
04112	NPDES Technology Transfer	Johnson, P	1-Jan-04	31-Dec-04
04116	Transportation Labs Shelby Hall	Turner, D.	1-Jan-04	31-Dec-04
04117	Drainage Conservation Design	Pitt, R.	1-Jan-04	31-Dec-04
04210	Thermoplastic to Enhance Bridge Safety	Uddin, N.	1-Jan-04	31-Dec-04
04215	Alternative Project Delivery Systems	Rizk, T.	1-Jan-04	31-Dec-04
04219	Design for Traffic Signal Support Structures	Fouad, F.	1-Jan-04	31-Dec-04
04303	County Road Pavement Management System	Anderson, M.	1-Jan-04	31-Dec-04
04308	Bridge Vulnerability Assessment	Youngblood, A.	31-Jul-04	31-Dec-04
04310	Data Mining, Traf. Safety & Road Conditions	Graves, S.	1-Jan-04	31-Dec-04
04402	Sections 5310 & 5311 FTA Compliance	Anderson, M.	24-Sep-03	23-Sep-05
04403	Statewide Implementation of MIMS	Anderson, M.	24-Sep-03	23-Sep-06
04405	Evaluation of Profiled Pavement Markings	Lindly, J.	5-Nov-03	30-Sep-04
04407	Traffic Signal Design/Timing Manual	Jones, S.	3-Dec-04	4-Dec-04

¹Project 02301 was previously classified as a UTC project, but has been deleted and replaced by project 02217.

Table 3. Projects Completed

Project No.	Project Title	Faculty Name	Start Date	End Date
99101	Co. Bridge Replace Guide, Phase-1	Triche, M.	1-Jul-99	15-Aug-00
99104	Rural Public Transit Systems	Lindly, J.	1-Jul-99	15-Aug-00
99113	Crash Data Mining and Visualization	Conerly, M.	15-Aug-99	15-Aug-00
99115	Improving Crash Locations w/ GPS/GIS	Graettinger, A.	1-Jul-99	31-Aug-00
99118	Multidisciplinary Transportation/Logistics .	Sterling, J.	1-Oct-99	30-Sep-00
99211 ¹	Exhibit at McWane Center, Outreach to K-12	Lalor, M.	1-Jan-00	Canceled
99236	Trans Programs via Distance Learning	Lalor, M.	1-Jul-99	30-Sep-03
99238	Drivers with Diminished Capabilities	Owsley, C.	1-Jul-99	28-Feb-01
99244	GIS-Based Hazardous Materials. Routing	Pitt, R.	1-Aug-99	31-Dec-00
99247 ²	Concrete Pavement Short-course	Delatte, N.	1-Jul-99	30-Jul-00
99249	Multi-campus Trans Education Program	Delatte, N.	1-Jan-00	31-Dec-00
99250	Crashes in Minorities/High Risk Groups	Wynn, T.	1-Jan-99	31-Dec-00
99252	UTCA & Other Safety-Related Centers	Davidson, J.	1-Sep-99	30-Nov-00
99324	3-D Safety Alarms for Drivers	Bliss, J.	1-Jul-99	31-Aug-00
99328 ³	Tranplan and GIS Support	Anderson, M.	1-Jul-99	28-Feb-01
00102	Video for Traffic Mgmt. and Safety	McFadden, J.	1-Jan-00	31-Mar-01
00103	ITS Expert Services	McFadden, J.	1-Jan-00	31-Mar-01
00107	Work Zone Enhancement Short course	Lindly, J.	1-Jan-00	31-Mar-01
00108	Air Quality Aspects of Traffic Mgmt.	Williamson, D.	1-Jan-00	31-Dec-00
00110	Traffic Mgmt./Emergency Communication	Bunn, M.	1-Jan-00	31-Dec-00
00202	Materials Short course/ITS Short course	Delatte, N.	1-Jan-00	31-Dec-00
00214	Health/Public Safety -Hazardous. Materials	Becker, S.	1-Jan-00	31-Dec-00
00304	Transportation Summer Institute 2000	Leonard, K.	1-Jan-00	31-Dec-00
00305	Cementitious Materials for Bridge Decks	Toutanji, H.	1-Jan-00	31-Jul-02
00456	Managing Construction Bidding	Turner, D.	19-Jan-00	19-May-01
00461	Highway Capacity Manual	Turner, D.	14-Dec-00	15-Aug-02
00462	MUTCD	Turner, D.	14-Dec-00	4-May-02
00463	Video Tech/Traffic Mgmt	Graettinger, A.	5-Mar-01	30-Jun-02
00465	Work Zone Safety	Lindly, J.	2-Jan-01	2-Jan-02
00466	MOBILE-6	Williamson, D.	4-Dec-00	4-Dec-01
00467	Computer-based Sign Support Design	Davidson, J.	1-Oct-00	31-Feb-02
01101	Success Factors-Traffic Mgmt./Emergencies	Bunn, M.	1-Jan-01	31-Dec-01
01110 ⁴	Intercity Bus Service Study	Lindly, J.	1-Jan-2001	2-May-02
01111	Aviation Transportation Internship	Haynes, C.	1-Jan-01	31-Dec-01
01112	Maintenance System for Stormwater	Durrans, R.	16-May-01	15-Oct-02
01216	Advanced Public Trans in Birmingham	Jones, S.	1-Jan-01	30-Sep-03
01218	Flowable Fill – Local Bridge Replacement	Davidson, J.	1-Jan-01	30-Sep-03
01220	Concrete Overlays and Repairs	Delatte, N.	1-Jan-01	30-Sep-03
01326	Transportation Summer Institute 2001	Leonard, K.	1-Jan-01	30-Sep-03
01327	New Procedure for Bridge Deck Evaluation	Toutanji, H.	1-Jan-01	30-Sep-03
01328 ⁵	Trip Generation & Travel Rate Indices	Anderson, M.	1-Jan-01	30-Jun-04
01453	Utility Pole Safety Program	Lindly, J.	15-Feb-01	15-Mar-02
01461	Software Support for ALDOT – Phase 3	Brown, D.	1-May-01	10-May-02
01465	Evaluate Profile Pavement Markings	Lindly, J.	13-Aug-01	13-Aug-03
02101	Web-Based Airport Licensing	Haynes, C.	1-Jan-02	31-Dec-02
02113	Adv. Transportation Summer Institute	Turner, D.	1-Jan-02	31-Dec-02
02114	GIS-Resource Allocation Visualization	Hale, D.	1-Jan-02	31-Dec-02
02115	Crash Safety – Data Mining Approach	Hardin, M.	1-Jan-02	31-Dec-02
02201	Catalysts/Zeolites for Diesel Exhaust	Peters, R.	1-Jan-01	31-Mar-03

Table 3. Projects Completed (continued)

Project No.	Project Title	Faculty Name	Start Date	End Date
02205	Trans Improvement Through Telework	Grimes	1-Jan-01	31-Jan-03
02209	High School Trans Education Program	Jones, S.	1-Jan-02	31-Dec-02
02215	Hazmat Crash Education	Clark, S.	1-Jan-01	30-Jun-03
02217 ¹	Traffic Simulation Software Comparison	Jones, S.	1-Sep-02	31-Dec-03
02304	EDTR for Bridge Strain Monitoring	Lin, M.	1-Jan-03	31-Dec-03
02402	Evaluation of Retroreflectometers	Lindly, J.	1-Nov-01	1-Jun-02
02403	Bridge Database and Data Retrieval	Graettinger, A	14-Feb-02	14-Nov-02
02409	Adj. of Pavement Life Cycle Cost Factors	Lindly	4-Jun-02	30-Jun-03
02410	Revise System of Airport Licensing	Haynes	4-Jun-03	4-Sep-03
02411	Phase 2: GASB-34 Compliance	Hale	12-Feb-02	31-May-03
03102	GIS & Crash Data	Graettinger, A.	1-Jan-03	31-Dec-03
03103	St. Clair Co. Trans Needs Assessment	Lindly, J.	1-Jan-03	31-Dec-03
03105	PM2.5 Emissions from B'ham Roads	Williamson, D	1-Jan-03	31-Dec-03
03108	Runway Topo Considerations in Airports	Haynes, C.	1-Jan-03	31-Dec-03
03113	Advanced Transportation Institute II	Turner, D.	1-Jan-03	31-Dec-03
03114	ITS Applications for Trans Infrastructure	Turner, D.	1-Jan-03	15-Aug-04
03217	Technology Transfer Program	Jones, S.	1-Jan-03	31-Dec-03
03226	Regional Traffic Simulation	Sisiopiku, V.	1-Jan-03	31-Dec-03
03228	Stability of Curved Bridges	Davidson, J.	1-Jan-03	31-Aug-04
03235	Access Management Training	Sisiopiku, V.	15-Jul-03	15-Jul-04
03301	Multimedia Tech - Timber Bridge Repair	Toutanji, H.	1-Jan-03	31-Jul-04
03303	Sensor Networks for Auto Tracking	Yoo, S.	1-Jan-03	31-Dec-03
03305	Transportation Summer Institute 2003	Leonard, K.	1-Jan-03	31-Dec-03
03306	Hand-held Explosives Sensor System	Bosco, C.	1-Jan-03	31-Dec-03
03308	Student Funding for TRB	Anderson, M.	1-Jan-03	31-Dec-03
03309	Expert Sys – Drilled Shaft Const Inspect	Gopu, V.	1-Jan-03	31-Dec-03
03401	Study of 511 Traveler Information System	Lindly	1-Jan-03	31-Dec-03
03404	Computerize ALDOT R&D Library	Lindly, J.	1-Jan-03	31-Dec-03
03405	I-565 Bridge Girder Repair- VARTM	Uddin, N.	1-Jan-03	31-Dec-03
03412	CO Air Quality Model	Jones, S.	14-Feb-02	14-Feb-04
04107	Data Mining to Improve Traffic Safety	Smith, R.	1-Jan-04	31-Dec-04
04108	Impact of Sprawl on Commuting in AL	Weber, K.	1-Jan-04	31-Dec-04
04115	Advanced Transportation Inst. 2004	Turner, D.	1-Jan-04	31-Dec-04
04203	Freeway Ramp Metering	Sisiopiku, V.	1-Jan-04	31-Dec-04
04213	Technology Transfer Continuation	Jones, S.	1-Jan-04	31-Dec-04
04301	Transportation Summer Institute 2004	Leonard, K.	1-Jan-04	31-Dec-04
04306	Student Seminar and TRB Attendance	Anderson, M.	1-Jan-04	31-Dec-04
04312	Multimedia Tech. for Bridge Repair; Final	Toutanji, H.	1-Jan-04	31-Dec-04
04401	Vehicle Fleet Database & Asset Mgmt	Anderson, M.	24-Sep-03	30-Apr-03
04404	Off-Road Accidents and Safety Plan Dev.	Turner, D.	1-Dec-03	31-May-05
04406	Characterizing Work Zones	Lindly, J.	1-Nov-03	31-May-04

¹Partially funded by UTC monies; partially funded by other sources. Cancelled in 2001 by UTCA Executive Committee

²Partially funded by UTC monies; partially funded by other sources.

³Projects 99328 and 99458 were initially reported as separate projects. They were merged and are now reported as project 99328

⁴Projects 01110 and 01452 were initially reported as separate projects. They were merged and are now reported as project 01110.

⁵Projects 01328 and 01451 were initially reported as separate projects. They were merged and are now reported as project 01328.

In addition to conducting projects with funding provided by US DOT as part of the University Transportation Centers program, UTCA actively seeks other partners for its activities. These efforts have been quite successful, as shown in Table 4.

Table 4. Non-UTC projects

Year	Number of Non-UTC Projects	Non-UTC Funding
1999	7	\$2.94 M
2000	12	\$3.58 M
2001	20	\$3.06 M
2002	21	\$1.77 M
2003	16	\$2.16 M
2004	9	\$0.89 M
2005	4*	\$0.34 M
Total	85	\$14.74 M

*2005 totals are for a partial year

C. FINANCIAL STATUS REPORTS

Semi-Annual Financial Report Grant Year 1999

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EXHIBIT A
 Annual Financial Status Report
 University Transportation Centers Program
University Transportation Center for Alabama

Grant year 1999 Fund Status as of June 30, 2005

	Approved (Revised) Budget¹	Committed to Date²
Salaries		
Director	59,318	\$59,318
Associate Directors	26,523	\$31,272
1/4 FTE Faculty, each campus	41,198	\$41,198
Faculty Project Salaries	430,154	\$407,670
Administrative Staff Salaries	16,846	\$17,216
Student Salaries	172,486	\$116,945
Benefits	128,852	\$113,554
<i>Total salaries and benefits</i>	<i>875,377</i>	<i>\$787,173</i>
Expenses		
Scholarships/Grad Tuition	13,766	\$25,368
Permanent Equipment	0	\$4,453
Expendable Prop/Supplies/Services	64,917	\$77,441
Other – Expendable Equipment	40,465	\$11,345
Domestic Travel	31,689	\$20,071
Foreign Travel	0	\$0
Other – Peer Review Honoraria	1,850	\$1,850
Other – Student of the Year	1,000	\$1,000
<i>Total expenses</i>	<i>153,687</i>	<i>\$141,528</i>
Total Direct Costs	1,029,064	\$928,701
F&A – Indirect Costs	358,851	\$347,889
99 Grant Year Totals	1,387,915	\$1,276,590
Federal Share	686,000	\$621,111
Matching Share	701,915	\$649,771
¹ Revised Budget Approved by RSPA on September 8, 2000		
² Expended or Encumbered		

EXHIBIT A
Annual Financial Status Report
University Transportation Centers Program
University Transportation Center for Alabama
Grant year 2000 Fund Status as of June 30, 2005

	Approved (Revised) Budget ¹	Committed to Date ²
Salaries		
Director	\$60,925	\$61,861
Associate Directors	\$32,084	\$41,483
Faculty Project Salaries	\$27,666	\$27,688
Administrative Staff Salaries	\$303,405	\$426,201
Student Salaries	\$210,132	\$315,502
Benefits	\$104,238	\$109,932
<i>Total salaries and benefits</i>	<i>\$738,450</i>	<i>\$982,669</i>
Expenses		
Scholarships/Grad Tuition	\$67,306	\$61,650
Permanent Equipment	\$0	\$1,979
Expendable Prop/Supplies/Services	64,917	\$118,878
Other – Expendable Equipment	\$13,250	\$33,450
Domestic Travel	\$52,654	\$65,341
Foreign Travel	\$0	\$0
Other – Peer Review Honoraria	\$4,400	\$8,766
Other – Student of the Year	\$2,000	\$1,338
<i>Total expenses</i>	<i>242,150</i>	<i>\$291,402</i>
Total Direct Costs	\$980,600	\$1,274,071
F&A – Indirect Costs	\$342,858	\$394,621
00 Grant Year Totals	\$1,323,458	\$1,668,691
Federal Share	\$655,500	\$618,660
Matching Share	\$667,958	\$1,058,197
¹ Revised Budget Approved by RSPA on September 8, 2000		
² Expended or Encumbered		

EXHIBIT A
Annual Financial Status Report
University Transportation Centers Program
University Transportation Center for Alabama

Grant year 2001 Fund Status as of June 30, 2005

	Approved (Revised) Budget¹	Committed to Date²
Salaries		
Director	\$61,000	\$60,942
Associate Directors	\$43,000	\$9,916
Faculty Project Salaries	\$33,000	\$26,197
Administrative Staff Salaries	\$288,000	\$462,515
Student Salaries	\$200,000	\$243,757
Benefits	\$106,250	\$123,274
<i>Total salaries and benefits</i>	<i>\$731,250</i>	<i>\$926,601</i>
Expenses		
Scholarships/Grad Tuition	\$65,000	\$53,685
Permanent Equipment	\$0	\$20,926
Expendable Prop/Supplies/Services	64,917	\$100,000
Other – Expendable Equipment	40,465	\$10,000
Domestic Travel	\$50,000	\$43,614
Foreign Travel	\$0	\$0
Other – Peer Review		
Honoraria	\$4,000	\$7,050
Other – Student of the Year	\$2,000	\$2,000
<i>Total expenses</i>	<i>\$231,000</i>	<i>\$237,271</i>
Total Direct Costs	\$962,250	\$928,701
F&A – Indirect Costs	\$336,788	\$347,889
01 Grant Year Totals	\$1,299,038	\$1,543,980
Federal Share	\$646,000	\$627,565
Matching Share	\$653,038	\$916,415
¹ Submitted Oct 29, and approved by RSPA on Nov 8, 2000 ² Expended or Encumbered		

EXHIBIT A
Annual Financial Status Report
University Transportation Centers Program
University Transportation Center for Alabama

Grant year 2002 Fund Status as of June 30, 2005

	Approved (Revised) Budget¹	Committed to Date²
Salaries		
Director	\$61,000	\$67,619
Associate Directors	\$0	\$0
Faculty Project Salaries	\$33,000	\$89,315
Administrative Staff		
Salaries	\$305,000	\$508,498
Student Salaries	\$225,000	\$214,831
Benefits	\$99,750	\$135,586
<i>Total salaries and benefits</i>	<i>\$723,750</i>	<i>\$1,015,849</i>
Expenses		
Scholarships/Grad Tuition	\$72,000	\$23,472
Permanent Equipment	\$0	\$14,737
Expendable Prop/Supplies/Services	\$100,000	\$136,804
Other – Expendable Equipment	\$10,000	\$35,483
Domestic Travel	\$55,000	\$49,675
Foreign Travel	\$0	0
Other – Peer Review Honoraria	\$5,000	\$2,950
Other – Student of the Year	\$2,000	\$2,000
<i>Total expenses</i>	<i>\$244,000</i>	<i>\$265,121</i>
Total Direct Costs	\$967,750	\$1,280,969
F&A – Indirect Costs	\$338,713	\$379,852
02 Grant Year Totals	\$1,306,463	\$1,660,821
Federal Share	\$652,700	\$581,675
Matching Share	\$653,763	\$1,069,146
¹ Submitted Oct 29, and approved by RSPA on Nov 8, 2001		
² Expended or Encumbered		

EXHIBIT A
Annual Financial Status Report
University Transportation Centers Program
University Transportation Center for Alabama

Grant year 2003 Fund Status as of June 30, 2005

	Approved (Revised) Budget¹	Committed to Date²
Salaries		
Director	\$61,000	\$55,639
Associate Directors	\$5,000	\$0
Faculty Project Salaries	\$21,000	\$28,085
Administrative Staff		
Salaries	\$422,000	\$582,720
Student Salaries	\$325,000	\$333,925
Benefits	\$140,000	\$168,195
<i>Total salaries and benefits</i>	<i>\$974,000</i>	<i>\$1,168,563</i>
Expenses		
Scholarships/Grad Tuition	\$110,000	\$39,816
Permanent Equipment	\$0	\$8,640
Expendable Prop/Supplies/Services	\$145,000	\$163,20
Other – Expendable Equipment	\$30,000	\$0
Domestic Travel	\$90,000	\$41,330
Foreign Travel	\$0	\$2,322
Other – Peer Review Honoraria	\$75,000	\$800
Other – Student of the Year	\$2,000	\$1,925
<i>Total expenses</i>	<i>\$384,500</i>	<i>\$258,152</i>
Total Direct Costs	\$1,358,500	\$1,426,716
F&A – Indirect Costs	\$475,475	\$512,295
03 Grant Year Totals	\$1,833,975	\$1,939,011
Federal Share	\$916,300	\$893,829
Matching Share	\$917,675	\$1,046,875

¹Submitted Oct 24, and approved by RSPA on Oct 28, 2002

²Expended or Encumbered

EXHIBIT A
Annual Financial Status Report
University Transportation Centers Program
University Transportation Center for Alabama

Grant year 2004 Fund Status as of June 30, 2005

	Approved (Revised) Budget¹	Committed to Date²
Salaries		
Director	\$60,925	\$60,277
Associate Directors	\$9,926	\$12,000
Faculty Project Salaries	\$392,621	\$527,933
Administrative Staff Salaries	\$183,063	\$139,639
Student Salaries	\$251,613	\$223,235
Benefits	\$141,735	\$156,955
<i>Total salaries and benefits</i>	<i>\$1,039,883</i>	<i>\$1,120,039</i>
Expenses		
Scholarships/Grad Tuition	\$72,797	\$57,631
Permanent Equipment	\$58,250	\$55,000
Expendable Prop/Supplies/Services	\$66,245	\$244,086
Other – Expendable Equipment	\$300	\$2,552
Domestic Travel	\$45,028	\$55,348
Foreign Travel	\$0	\$0
Other – Peer Review Honoraria	\$4,400	\$800
Other – Student of the Year	\$2,000	\$1,000
<i>Total expenses</i>	<i>\$249,020</i>	<i>\$426,417</i>
Total Direct Costs	\$1,288,903	\$1,546,456
F&A – Indirect Costs	\$527,618	\$523,135
04 Grant Year Totals	\$1,816,521	\$2,069,591
Federal Share	\$906,000	\$930,505
Matching Share	\$910,521	\$1,149,086
¹ Budget Approved by RSPA on December 4, 2003		
² Expended or Encumbered		

EXHIBIT A
Annual Financial Status Report
University Transportation Centers Program
University Transportation Center for Alabama

Grant year 2005 Fund Status as of June 30, 2005

	Approved (Revised) Budget¹	Committed to Date²
Salaries		
Director	\$60,925	\$60,925
Associate Directors	\$58,007	\$58,007
Faculty Project Salaries	\$392,621	\$486,818
Administrative Staff		
Salaries	\$193,083	\$31,089
Student Salaries	\$371,613	\$334,645
Benefits	\$141,153	\$174,471
<i>Total salaries and benefits</i>	<i>\$1,217,402</i>	<i>\$1,145,955</i>
Expenses		
Scholarships/Grad Tuition	\$95,189	\$50,760
Permanent Equipment	\$58,250	\$3,250
Expendable Prop/Supplies/Services	\$93,000	\$137,219
Other – Expendable Equipment	\$3,000	\$5,950
Domestic Travel	\$55,028	\$62,070
Foreign Travel	\$0	\$4,000
Other – Peer Review Honoraria	\$4,500	\$10,500
Other – Student of the Year	\$2,000	\$2,000
<i>Total expenses</i>	<i>\$310,967</i>	<i>\$275,749</i>
Total Direct Costs	\$1,528,369	\$1,421,704
F&A – Indirect Costs	\$382,092	\$556,185
05 Grant Year Totals	\$1,910,461	\$1,977,889
Federal Share	\$952,000	\$950,339
Matching Share	\$958,461	\$1,027,800
¹ Partial budget approved by RSPA Dec 12, 2004, full budget Jan 19, 2005		
² Expended or Encumbered		