

INSTITUTE OF TRANSPORTION ENGINEERS

Section Annual Report

for the period January 1, 2006 to December 31, 2006
for the North Carolina Section

Officers

2006 Board of Directors

President	Jim Humphrey, P.E.
Vice President	Dale Privette, P.E.
Secretary	J. Kevin Lacy, P.E.
Treasurer	Keith Lewis, P.E.
Section Director 06-07	Adam Fischer, P.E.
Affiliate Director 05-06	Sarah Smith, P.E.
Affiliate Director 06-07	Beth Royall, E.I.T.
District 5 ITE Representative 05-06	Jim Westmoreland, P.E.
District 5 ITE Representative 05-08	Bill Martin, P.E.
District 5 ITE Representative 06-07	Fred Burchett, P.E.

2006 Council Chairs

Council Director 06-07	Russell Dalton, P.E.
Transportation Planning Council	Peter Trencansky, P.E.
Traffic Engineering Council	Bobby Croom
Consultant/Vendor Council	David Jones, P.E.
Administrative Council	Ed Johnson, P.E. & Troy Peoples, P.E.

2006 Committee Chairs

Membership Chair	Mark McDonald, P.E.
Operations Chair	Jeffery Dale, P.E.
Nominations Chair	Bill Martin, P.E.
Survey Committee	Jim Westmoreland, P.E.
Awards Chair	Burt Tasaico, P.E. & Terry Hopkins, P.E.
Scholarships Chair	Christa Greene, P.E.
Annual Meeting	Stephanie Privette, P.E.
Mid-Year Meeting	Terry Arellano, P.E. & Rhett Fussell, P.E.
Annual Golf	David Jones, P.E.
Involver Newsletter	Stacie Phillips, P.E.
Web Site	Radha Swayampkala, P.E.

Student Chapter Advisors

Section Liaison	Adam Fischer, P.E.
North Carolina State University	Billy Williams, Ph. D., P.E.
North Carolina A&T University	Joyce Perkins, Ph. D.
University of North Carolina –Charlotte	Johnny R. Graham, Ph. D.

NCSITE continued efforts to improve its already high level of member services which were recognized on August 5th at the ITE Annual Meeting in Milwaukee by receipt of the 2005 Section Activities Award. While 2006 activities are chronicled in this report, a few noteworthy achievements include:

- Expanded Membership by over 12% to 604 and created an electronic 2006 Membership Directory
- Increased financial status of Section by over 15% compared to 2005 including transfer of additional \$20,000 to Scholarship fund maintained by International ITE
- Overhaul of Website
- Enhancements to Mentoring Program. 10 new pairs of participants.
- Conducted 21 meetings throughout the year. Expanded “Lunch and Learn” activities in Charlotte. Experimented with a multi-day mid year meeting with enhanced spouse activities (mid year meetings have been 1 day in the past).
- Over 400 members attended mid year and annual meetings
- Special efforts to attract Environmental/NEPA interests to Section
- Expanded User Group Activities including new Simulation and Capacity Analysis User Group
- Enhanced monthly Newsletter, the Involver, by establishing reporters across the state to collect more technical articles
- Conducted an innovative web based Member survey to assess services and assist strategic planning for improved member services
- Extensive Student Chapter activities with 3 Chapters including regular meetings, a Student led NCSITE meeting and quiz bowl
- Continue to experiment with ability to attract future leaders to transportation profession by mentoring, contributing funding and judging of Statewide Future Cities competition that includes transportation planning and targets 8th graders. Established new committee to recommend actions to address future workforce issues, including if Scholarship Program should be revised.
- Completely revised Operations Manual to more accurately capture how the Section operates
- Awarded 6 Scholarships and 5 Special awards related to professional achievement and contribution to Transportation.
- Organized special meeting of Key Legislative officials to discuss actions to benefit increased transportation funding. Participated in several legislative committees. Ongoing communication of legislative issues with NCSITE membership
- Conducted extensive assessment and gained approval to hire paid staff to assist member services. Most recent actions include the formation of a committee to pursue final job description, posting, and filling of the staff position.
- Created new Member Solicitation Brochure.
- Initiated discussion of joint meeting with other Sections.
- Participation in SDITE Strategic Issues Committees and Annual Meeting. Attendance at International ITE meeting

Membership

The organization is structured to include: Members, Affiliate Members, New Members, Student Members, and Life Members. Members and Affiliate Members pay the same amount in membership dues. New Members are required to pay annual dues at half the amount of Members and Affiliate Members. Student and Life Members are not required to pay dues. Members are those who also have joined International ITE. Affiliate Members are those who are only members of the North Carolina Section. The North Carolina Section also has members that belong to two Affiliate Government Agencies (City of Charlotte, and City of Greensboro).

Number	Membership Grade	Section Annual Dues Rate
261	Member	\$30.00
16	Member Life	\$0.00
45	Student Member	\$0.00
231	Affiliate	\$30.00
51	Affiliate Life	\$0.00

The Membership Committee was successful in recruiting 66 new affiliate members and 11 new student members during 2006. The Membership Committee enhanced its functions during 2006 and achieved the following:

- Maintained \$15 new member fee (reduced from \$30 to attract more new members).
- Initiated membership drive / campaign with rewards for new members and top recruiters.
- Developed and began distribution of new member welcome packages.
- Actively contacted and involved all new members in Section activities.
- Continued to work with ITE to align membership database. ITE handled approximately 50% of the Affiliate renewals in 2006. The Section intends for 90% of those renewals to be handled by ITE in 2007.
- Development of a 2007 Membership Directory provided on CD to members and affiliates at the Annual Meeting

During 2006, several initiatives were undertaken to improve the member services provided to the Section's Affiliates and Members. The monthly newsletter, the "Involver" was produced every month and distributed via the Section listserv. Several local "reporters" were identified by the President and tasked with submitting technical or current news related articles each month. The Section web site was renovated and expanded in several areas which included:

- New Layout of the home page to include monthly Message from the President and Latest News
- Web pages designed for specific user groups and tasks forces
- Annual Awards information including online nominations
- Photographs of the Section Leadership
- Responsibilities and goals of the Councils
- More timely updating of meeting presentations and photos
- Online update form for membership contact information

Membership Survey

In 2006, a survey committee was formed to develop incentives and a survey tool that could capture the membership's view on the existing members' services provided by the Section and knowledge of the 2020 Vision. The solution was an online survey tool in conjunction with a door prize to be awarded at the Annual Meeting. Approximately one-third of the membership provided a response to the survey and several action items were developed based on this feedback. Most of the action items were focused on expanded and enhanced members' services and further education from the leadership on the direction of the Section.

Technical Activities

The technical activities conducted and initiated in 2006 are highlighted in the Meetings portion of this report.

Legislative Activities

NCSITE's Administrative Council leads legislative efforts. Potential Bills are tracked in the State Legislature and information shared with members thru special email communication as appropriate. Policy changes at the NCDOT and local government are also identified and information shared thru special email communications or thru the Involver, our newsletter. NCSITE representatives participate in statewide legislative committees organized by the NC League of Municipalities, an advocacy group for local and county government. We also participate in a special committee advising the NCDOT on reform of its project implementation process. A special meeting of key transportation leaders was organized by NCSITE focusing on increasing transportation funding that included staff and policy makers from the NC League of Municipalities, key municipal representatives, the NCDOT Highway Administrator, NC Legislative staff, several legislative members, key professional organizations and other advocacy groups. In addition to the above, legislative items related to tolling were part of our Mid Year meeting agenda, and two key legislators were featured speakers on the Dinner Program at our annual meeting.

Meetings

2006 was another busy and successful year for meeting attendance and support during the year. This section includes a brief overview of the multitude of meetings offered to the membership in 2006 as well as student chapter, Southern District, and International ITE events that were supported by our members and affiliates. Presentations and summaries from several of these meetings are also available on the Section web site.

NCSITE Board Meetings Held Bi-Monthly

The NCSITE Board Meetings are working meetings attended by the leadership of the NC Section. The location and the attendance both vary between meetings, but each meeting is open to all Board Members, Committee Chairs, and Council Chairs.

Traffic Engineering Council Meetings held Monthly

The Traffic Engineering Council meetings are held in Raleigh. The attendance varies between meetings. This working group met ten times in 2006 to set the course for the Traffic Engineering Council and to monitor the progress of tasks. Sub-committee Chairs for the Local Meetings (Todd Brooks), User Groups (Daniel Carter), Task Forces (Will Letchworth), and Annual Meeting (Stephanie Privette) were selected to lead the effort in these specific areas. In 2006, The TEC hosted a signal System User Group Meeting, initiated the Internal Capture Task Force, initiated the SimCap User group, one local meeting in Hickory, and the council led the efforts for the Annual meeting.

Transportation Planning Council Meetings held Monthly

The Transportation Planning Council Meetings are held monthly and alternate between a location in Raleigh and in Cary. The attendance varies and each meetings if succeeded by a social and networking opportunity. This working group met twelve times in 2006 to set the course for the Transportation Planning Council. The TPC is traditionally asked to organize the NCSITE Mid-Year Meeting and assist in preparing the agenda for the Annual Meeting. The TPC continued on the success of certain initiatives from 2005 that included: "Happy Hours" and lunches throughout the region to facilitate relationship

building, foster a closer relationship with NC APA, coordinate the Statewide Model User's Group, increase student chapter involvement, and host other local meetings throughout the state. The TPC also began a successful relationship with the Future Cities Competition hosted each January.

Administrative Council Meetings held during the year

The Administrative Council Meetings were held periodically during 2006. The meetings were conducted in Raleigh and varied attendance. This working group set the goals for the Administrative Council which included the Mentoring Program, two relationship building Meetings for Senior Transportation Professionals, and assistance with the agenda of the Annual Meeting.

Mentoring Program Kick-off Meeting on January 19, 2006

The Administrative Council hosted the kick-off meeting for the Mentoring Program with 10 pairs of protégés and mentors. This meeting presented the goals of the program and expectations of each mentor and protégé.

Student-Led Meeting on March 28, 2006

The NCSITE Student-Led meeting has become an annual tradition and a popular networking opportunity for members of the Section. This year's meeting, hosted by the NC State student chapter, featured three technical sessions exclusively reserved for student presentations that highlighted contemporary topics from alternative funding sources to unconventional intersection designs and everything in between. This year's meeting was one of the best-attended so far, with a group of nearly 100 students and professionals that included many new faces.

Southern District Annual Meeting on April 2 - 5, 2006

The Southern District ITE Annual Meeting was held in Jackson, MS. During the annual banquet, NCSITE members were recognized as leaders in the transportation engineering and planning professions. The topic of the meeting was entitled Ready for Anything.

Charlotte Spring Dinner Meeting on April 20, 2006

Approximately 45 people attended local meeting in Charlotte at the Uptown Rainbow Café to learn more about Charlotte's \$3.5 Billion TAP (Transportation Action Plan). After introductions and opening remarks by Rob Hume and Jim Humphrey, Charlotte City Council Member Pat Mumford addressed the audience as chair of the Transportation Council Committee. The main presentation on Charlotte's TAP was shared by Danny Pleasant and Jim Humphrey followed by a highlight of the Urban Street Design Guidelines by Tracy Newsome. The Charlotte organizing committee will be planning the annual fall meeting for sometime in October.

Hickory Local Meeting on April 25, 2006

The Traffic Engineering Council sponsored NCSITE's first local meeting of 2006 for the western region at the City of Hickory's Police Headquarters in their Training Room facility. Twenty-seven participants were attracted from a wider-than-expected area, ranging from Sylva to the Triangle were in attendance. Hickory's Acting Police Chief Tom Adkins welcomed all. Nathan Vannoy, PE, City Traffic Engineer for Hickory handled announcements and facilitated the six topic presentations.

- "Wireless Traffic Control and Data Transmission Solutions" by John Rosenblatt and Russ Benson, RAI Products,
- "Transportation Improvements for the NASCAR Hall of Fame" by Craig Scheffler, PE, HNTB
- "City of Lenoir's Downtown Streetscape Project" by Mike Norris, McGill Associates PA

- “Local Transportation Projects Overview” by Brett Canipe, NCDOT Assistant Resident Engineer, and Steve Miller, City of Hickory Street Manager,
- “Distributed Process Central Systems” by Mike Travers, Consultant
- “Corridor Planning in the Greater Hickory Metro: Three Case Studies” by John Tippet, Western Piedmont Council of Governments’ Transportation Director

Attendees earned up to 4 professional development hours (PDH's). A special thank you goes to Nathan Vannoy, PE, and Wendy Billington, City of Hickory, for helping plan and for handling the local arrangements for this successful meeting.

Triangle Lunch ‘n’ Learn on May 12, 2006

Approximately 30 attendees met at the Golden Corral in Cary, NC to have a great meal and to listen to Mr. Peter Trencansky present on “Using Microscopic Simulation in the Planning Process – A Case Study using VISSIM”. Mr. Trencansky gave a presentation showing the application of VISSIM to analyze multiple scenarios of a corridor study. After his presentation, he responded to several questions from the attendees.

NCSU Student Chapter Picnic on May 6, 2006

The NC State Chapter of ITE held their annual spring picnic on May 6, 2006 at Lake Johnson. Hotdogs, hamburgers, and a variety of other dishes, including some traditional Indian fare were served to the 15-20 people in attendance. It was a good chance for everyone to unwind from the semester and spend some time together before taking off for the summer.

Signal System User Group Meeting on May 23, 2006

Greg Fuller presented a status report on the R-4701 (Signal Maintenance Funding) and noted that slight improvements were made statewide over the last report. Ron Fairbanks, NC One Call Marketing Representative, presented to the group on the importance of accurate locates and benefits of becoming a member organization. Sreekanth “Sunny” Nandagiri, presented a compilation of signal design practices around the southeastern United States. Madison Phillips presented on the latest benefits being realized by the use of latest technology in polycarbonate signal heads. Milton Dean and Mark Harrison informed the Group about various performance and safety issues related to traffic signal equipment.

Dale Privette and Wesley Vo gave an update on the nearly complete Cary Signal System. Stacie Phillips presented on the travel time improvements that have been realized currently. A tour of the Cary Traffic Management Center followed. Excellent discussion was realized with each topic.

Charlotte Lunch ‘n’ Learn on May 25, 2006

The Charlotte area hosted its first Lunch 'n Learn session at the Golden Corral on South Boulevard. Mr. **Willie Noble**, P.E., the Senior Project Manager for the Charlotte Area Transit System (CATS) Streetcar Project, and Ms. **Kiera Terrell** also with CATS, gave an in-depth presentation on the current and future status of the Charlotte Center City Streetcar project that will serve the center city and its adjacent neighborhoods. A 50/50 raffle was held with proceeds to benefit the NCSITE Scholarship Fund. \$41 was raised for the Fund and \$41 went to winner Mr. **Tommy Harrelson**, EarthTech who generously donated his winnings back to the Fund, resulting in a total donation of \$82. An audience of approximately 45 professionals and students were entertained and well-fed and all look forward to the next Charlotte Lunch 'n Learn, tentatively scheduled for the early Fall.

Mid-Year Meeting on June 1 – 2, 2006

The Mid-Year Meeting was held in Wrightsville Beach, NC beginning with a tour of the Wilmington Port on the morning of June 1st. After lunch on their own, approximately 100 attendees reconvened for an

afternoon of technical sessions in the banquet hall of the Blockade Runner. Shortly after the conclusion of the technical sessions, a social hour was hosted on the patio and the lawn between the hotel and the beach. It created a great environment for networking and meeting some of the member's spouses and families. Friday continued with additional technical sessions through lunch. Once the meeting was adjourned, some of the attendees attended a golf tournament to raise additional funds for the scholarship program. The presentations from the Mid-Year Meeting are available on the Section web site.

Simulation Model Users Group on June 15, 2006 and June 16th

Lunch 'n' Learn sessions were conducted in Charlotte and in Raleigh to introduce the SimCap User Group. SimCap stands for Simulation and Capacity Analysis User Group and is intended to provide a forum for users of traffic simulation and capacity analysis software, who want to share their experiences with other users across North Carolina. SimCap is intended as a resource for transportation professionals working with various simulation and capacity models to exchange information, ask questions and debate the applicability of different models for certain scenarios. Each session hosted approximately 20 attendees and was intended to generate interest in the user group and make the membership aware of what activities will be coming soon.

TPC Summer Social on June 16, 2006

We had a great time on June 6, 2006 attending the Bulls vs. Bisons Game! The Bulls did not prevail, but NCSITE members and guests, 15 in all, enjoyed the event. The groups stayed through the exciting summertime fireworks display then headed back to Cary on the TTA shuttle.

International ITE Annual Meeting on August 6 - 9, 2006

The International ITE Annual Meeting was held in Milwaukee, WI. For the second time in the last three years, the North Carolina Section was awarded the Section Activities Award from ITE International. The award was received at the ITE Annual Meeting held on August 5, 2006 in Milwaukee, Wisconsin. This award recognizes NCSITE's outstanding record as the premier Section of all the International ITE Sections. It also recognizes the dedication and commitment of the members in making NCSITE the organization of choice for transportation professionals in North Carolina.

Charlotte Lunch 'n' Learn on September 14, 2006

The NCSITE Transportation Planning Council hosted a Lunch 'n' Learn session on September 14th at the Charlotte Museum of History. Mrs. Vivian Coleman and Mr. Keith Hines of Charlotte Department of Transportation gave an overview of Charlotte Pedestrian Initiatives "**Feet First: Creating a More Walkable Charlotte**". This presentation covered the Charlotte Growth Strategies, Sidewalk Program and Maintenance, Pedestrian related Guidelines and Programs and Pedestrian & Bicycle LOS Methodology. A copy of the PowerPoint presentation is available at <http://www.ncsite.org/MeetingArchives.html>. Approximately 80 professionals and students around the state attended this hour long presentation.

NCSU Canoe Trip on October 8, 2006

The NCSU Student Chapter went on its first annual canoeing trip on the Neuse River just north of Raleigh, NC. Several Student Chapter Alumni joined the fun and supported the social opportunity for the Student Chapter. The Canoe trip included a 3 mile paddle that began just downstream of the Falls lake Dam and ended at Capital Boulevard. The social event allowed the student chapter members to become better acquainted with some of the professionals they have assisted on certain projects.

Mentoring Program Close-out Meeting on October 19, 2006

The Administrative Council hosted the close-out meeting for the Mentoring Program with the original 10

pairs of protégés and mentors. This meeting recognized the success of each pair and gave an opportunity to provide feedback to the executive committee that oversees the Mentoring Program.

Charlotte Fall Meeting on October 19, 2006

The South Rail Corridor was the focus of the Charlotte Fall Meeting. The event began with a tour of the maintenance facility. A social hour was then held prior to the technical presentation on the South Corridor Light Rail Project and Station Area Planning. Representatives from Charlotte DOT presented several of the stations along the corridor and how the community needs were addressed through the station designs and modifications to the surrounding streets.

Annual Meeting on November 9, 2006

The NCSITE Annual Meeting and Awards Banquet was hosted in Raleigh, NC for approximately 300 attendees. The day began with a joint session offering presentation from Ms. Nancy Dunn from the NCDOT Board of Transportation, updates from several NCSITE initiatives, and technical presentation on the South rail Corridor by Liz Babson and Debbie Self with Charlotte DOT. After a short break, the attendees divided into two tracks offering Corridor Planning or NEPA focused topics. The Past Presidents' Luncheon was well attended and offered the opportunity to offer some the Section's Awards and listen to a guest Speaker, Mr. Don Voelker, Assistant Division Administrator for FHWA.

After lunch, two additional technical sessions were conducted maintaining two tracks to offer a variety of topics to the attendees. The topics included Scenario Planning, Transportation Issues for Emergency Management, Mega-Developments, and Toll Road Planning and Community Impacts. Once the technical sessions were adjourned, the attendees convened in the vendor hall to watch the Annual Student Quiz Bowl, participate in the social hour, and bid on the items presented in the 3rd annual silent auction.

Once the silent auction was closed, attendees moved to the Awards Banquet. The Banquet contained a full agenda with two keynote speakers from the NC House of Representatives, Rep. Nelson Cole, Rockingham County, and Rep. Bill Daughtridge, Nash County. Four more Section Awards were presented along with the six scholarships. The results of the successful silent auction were reviewed and the business meeting was commenced. During the business meeting, reports were given by the District Representative, International representative, and the Treasurer. The new slate of officers for 2007 was introduced and sworn into office. The evening banquet was concluded with a message from the incoming President, Dale Privette.

Student Chapter Activities

The North Carolina Section strived to continue and expand its support of the student chapters during 2006. Involvement from the section includes attendance at student chapter meetings and functions, financial support of the chapters and functions, and support of the Section Quiz Bowl champions at the Southern District Meeting Quiz Bowl competition. One method used to recognize the outstanding efforts of one of the student chapters is the annual presentation of the Paul D. Cribbins Cup at the Annual Meeting Awards Banquet. The 2006 recipient of the cup was the NCSU Student Chapter.

NCSU Student Chapter

The NCSU Student Chapter had a very successful year in 2006. The hosted the Annual Student Led Meeting, which showcased presentations from members of the student chapters. NCSU hosted two social activities that included participation from several alumni of the student chapter. These events are presented in more detail in the meetings portions of this report. As earlier stated the NCSU chapter was also the recipient of the 2006 Paul D. Cribbins Cup.

NC A&T University Chapter

The NC A&T chapter continues to grow with its membership and with its participation with the NC Section. The Chapter expanded their outreach to the NC Section Membership by submitting an article for the July Involver that showcased some of their initiatives and linked to their online newsletter. A&T is excited to be expanding its visibility with NCSITE and is gearing up to be the host for the 2007 student led meeting.

UNC – Charlotte Chapter

The UNC-Charlotte also has increased its presence by becoming active in the Charlotte local meetings and by attendance at the Annual Meeting. They also capped a great year by winning the Student Quiz Bowl at the Annual Meeting and are making plans to compete at the Southern District Quiz Bowl in April.

Scholarship Winners

Scholarships were presented at the Annual Meeting Awards Banquet to six well deserving student chapter members. Those scholarships and the recipients are listed below.

Scholarship Name	Recipient
Don Blackburn Memorial	Reza Jafari
Herman J. Hoose Memorial	Ashton Watson
D. Brent McKinney Honorary	Michael Atkinson
Cyrus Painter Memorial	Andrew Klinksiek
Roy D. Williams Memorial	Paul Denard
Allen L. Williford Memorial	Elizabeth Harris

Award Presentations

Each year, the North Carolina Section recognizes outstanding members along with one non-member for their contributions to the profession, the Section, and the transportation industry. The winners are selected by a peer group and are recognized during the Annual Meeting. The Awards Committee was excited to offer award nominations through the NCSITE web site. This portion of the web site was included to present an overview of each award and a history of past recipients. This year the Section presented the following awards:

Award Name: **Robert J. Dodge Professional Image Award**

Recipient's Name: Calvin Leggett, P.E.

Purpose of Award: Recipient must be a member of International ITE; possess demonstrated technical competence and excellent people skills; must have a demonstrated record of service to the profession, the organization, and his/her community; who by personal demeanor and example projects the best image of what a transportation professional should be.

Award Name: **RV Moss Lifetime Service Award**

Recipient's Name: William B. Finger, P.E.

Purpose of Award: Recipient must have been a Member or an Affiliate Member for at least 15 years; should possess demonstrated technical confidence; should have made significant contributions to the profession and ITE through participation in committees, workshops, speakers' bureaus, seminars, fundraising, meetings, and local arrangement committees; and through elected office at the Section level or higher.

Award Name: **Contribution to Transportation Award**

Recipient's Name: Nancy Dunn

Purpose of Award: Recipient is an individual not affiliated with NCSITE in any capacity that has contributed significantly to transportation through professional and/or political activities.

Award Name: **Young Professional Award**

Recipient's Name: Will Letchworth

Purpose of Award: Awarded to a Member or Affiliate, under the age of 35 years, who, over their young professional career, has contributed to the advancement of the transportation profession and the North Carolina Section of the Institute of Engineers. Recipients should exhibit such personal traits as integrity, honesty, professionalism, and leadership. Individual professional accomplishments such as transportation innovations, technical research, paper writing, and NCSITE organizational work, including meeting participation and committee work, can be considered.

Award Name: **NCSITE New Member Award**

Recipient's Name: Radha Krishna Swayampkala

Purpose of Award: Awarded to a New Member or Affiliate of our North Carolina Section, who has contributed substantially to the advancement of the Section through any of the following responsibilities, and not limited to: Council involvement, committee involvement, special

projects, conference planning, meeting participation, presentations at NCSITE sponsored meetings. A New Member would have less than five years of professional membership with our Section to qualify, and would represent the future leadership of NCSITE. Recipients should exhibit a teamwork approach to their NCSITE responsibilities, excellent leadership and professionalism skills, integrity, a willingness to learn, and an excitement for NCSITE activities and growth potential.

Send Annual Report to:

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