### New Jersey State LTAP Technology Transfer Center

#### Task Order Details

**RFP NUMBER:** 186 4-29016  
**NJDOT RESEARCH PROJECT MANAGER:** W. Lad Szalaj  
**PRINCIPAL INVESTIGATOR:** Dr. Ali Maher

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**Blue text is entered once at the beginning of the project  
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Project Objectives:

The Local Technical Assistance Program (LTAP) seeks to conduct several tasks that will promote best practices and implement state-of-the-art technologies to county and municipal transportation agencies. These activities include training, materials distribution, newsletter publication, technical assistance, and program evaluation. The objectives of this project are to continue to diversify and expand the customer base, deliver quality customer service, communicate the program values to partners and clients, and enhance the technology transfer network, through the activities of the Local Technical Assistance Program (LTAP).

Project Abstract:

The Local Technical Assistance Program (LTAP) will maintain mailing lists, publish a monthly newsletter, provide technical assistance, provide training, and evaluate the effectiveness of the program on an ongoing basis throughout the project.

The anticipated results are the creation of a library special collection made available on the LTAP website, monthly newsletter publication, an updated fax/e-mail directory for the transportation field, expanded training programs and additional conferences, and increased involvement with pertinent professional organizations.

1. Progress this quarter by task:

   A. Compile and Maintain Mail List

      The email database was purged of bouncing emails in October of 2006. The email list database was updated to include 94 new contacts from networking at the NJDOT Research Showcase and League of Municipalities Conference. 36 new email contacts were added from the National LTAP community.

   B. Publish Monthly Newsletter

      Approximately 3,500 individuals received each issue of the newsletter. Three issues of the newsletter were produced during this quarter. Electronic distribution of the newsletter occurred via e-mail.
Volume 8, Number 10 was published in October 2006. The first edition of the quarter included articles on NJ Governor Corzine’s Pedestrian Safety Initiative, the Technical Corrections Bill, Put the Brakes on Fatalities Day, NAPA’s Tool Box Talks series, the award of the National LTAP Clearinghouse to ARTBA, FHWA’s Highways for Life Program and DOT’s announcement of new rollover technology for vehicles. The Professional Development Corner featured the promotions and promoting oneself. This issue’s Free for the Asking offering were several completed research reports for projects sponsored by the New Jersey Department of Transportation.

Volume 8, Number 11 was published in November 2006. This issue featured articles about National Traffic Signal Report Card, APWA’s InfoNOW community for women involved with public works, FHWA’s focus on congestion relief, the New Jersey “Watch for Deer!” campaign, Mary Peters’ being named the USDOT Secretary of Transportation, and voter support of transportation funding. This issue’s Free for the Asking offering were several Technical Briefs of research projects sponsored by the New Jersey Department of Transportation.

Volume 8, Number 12 was published in December 2006. The third issue of the quarter contained articles about the recent New Jersey League of Municipalities Conference, upcoming events, the Professional Development Corner, the North American Transportation Statistics Database, FHWA’s rulemaking regarding high visibility clothing, and early 2007 training programs through the LTAP Center. This issue’s Free for the Asking offering was Commuting in America III, NCHRP Report 550, published by the Transportation Research Board.

C. Distribute Technology Transfer Materials

1,079 technical publications were distributed during this quarter. Technology transfer materials were distributed during training seminars, workshops, and Free for the Asking requests via the newsletter. In addition, specific requests were made by customers for technical publications, which were duplicated and distributed.

D. Provide Technical Assistance

There were 211 instances of technical assistance provided by the LTAP staff. Requests were received via telephone, e-mail, mail, and fax.

E. Provide Training

Training has occurred this quarter in the following program areas: Road Scholar I, Road Scholar II, Traffic Control Coordinator, and an assortment of transportation and infrastructure related seminars, as well as various programs offering Continuing Education Units (CEUs) for New Jersey Certified Public Works Managers. During this quarter, 704 individuals were trained via 26 programs.
F. Evaluate Effectiveness of Program

During this quarter, several meetings with internal staff, sponsoring agencies, and partnering agencies have been conducted to evaluate the program’s current and future direction. The Stakeholder Committee members were identified and invited to a February 2007 meeting.

Training program effectiveness was measured by use of course evaluations completed by participants at the end of each training program. Participants were asked to rate the overall quality of the course content, instructor, and presentation of the materials. Participants consistently rated the programs as having met or exceeded their expectations and as being one that they would recommend to others.

The program will begin a strategic planning process in either the first quarter of 2007.

The Annual Program Assessment Report will be submitted to the Federal Highway Administration by January 31, 2007 and will be provided to the sponsors as a year-end report.

2. Proposed activities for next quarter by task:

A. Compile and Maintain Mail List

The mail list will be continually be updated on an as needed basis.

B. Publish Monthly Newsletter

The newsletter will remain on a monthly publishing schedule.

C. Distribute Technology Transfer Materials

Technology transfer materials will be distributed during training programs, and by request. The lending library is always available.

D. Provide Technical Assistance

Technical assistance will be provided in response to any inquiries made via telephone, fax, or e-mail.
E. Provide Training

Training programs are scheduled for the next quarter as follows:

Traffic Control Coordinator Program
Road Scholar One Program
Road Scholar Two Program
Transportation/Infrastructure Seminars
Municipal Engineering Construction Inspection, Part One
Municipal Engineering Construction Inspection, Part Two

F. Evaluate Effectiveness of Program

Evaluations will continue to be distributed at each program.

An Advisory Committee meeting will be held to review the project’s financial status and progress once each quarter.

A Steering Committee meeting will be held every other month and/or on an as-needed basis to review program activities and initiatives, as well as to set long-term goals.

A Stakeholder meeting will be held during this quarter to evaluate stakeholder satisfaction and allow an open forum for the exchange of ideas, questions, and comments.

The strategic planning process will begin during the first quarter of 2007.

3. List of deliverables provided in this quarter by task (product date):

A. Compile and Maintain Mail List

New Email Contacts November 2006
2006 Updated Email List October, December 2006

B. Publish Monthly Newsletter

Volume 8, Number 10 October 2006
Volume 8, Number 11 November 2006
Volume 8, Number 12 December 2006
C. Distribute Technology Transfer Materials  
D. Provide Technical Assistance  
E. Provide Training  

Hazards Associated w/Fertilizers, Insecticides & Herbicides  
Grounds Maintenance Safety  
Pavement Management Systems for Municipal and County Road Departments  
Superior Performing Asphalt Pavements  
Traffic Control Coordinator Workshop  
National Incident Management System for Public Works  
Regional Work Zone Safety and Technology Showcase  
Mortarless Technology  
Traffic Control Coordinator Workshop  
Shared Services and Privatization  
Managing Public Equipment  
Regional Work Zone Safety and Technology Showcase  
Regional Work Zone Safety and Technology Showcase  
Grant Writing for Municipal Governments  
Successful Budgeting for Public Works  
Hot Mix Asphalt Resurfacing  
Low Cost Surface Rehabilitation  
Pavement Maintenance Crack Treatment Seminar  
New Jersey Traffic Signal Design  
Effective Incident Documentation  
Hazard Communication and Awareness  
Traffic Safety Forum  
Personal Injury Prevention Techniques  
Worker and Equipment Safety  
Confined Space and Excavation Rescue  
Excavation and Trenching Safety  

F. Evaluate Effectiveness of Program  
Stakeholder Committee Meeting Invitation  

4. Progress on Implementation and Training Activities:

All of the activities of this technology transfer project, and their implementation dates are included above.
5. Problems/Proposed Solutions:

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NJDOT Research Project Manager Concurrence: ___________________________ Date: ________
## QUARTERLY PROGRESS REPORT

### Project Title:
New Jersey State LTAP Technology Transfer Center

### RFP NUMBER:

### NJDOT RESEARCH PROJECT MANAGER:
W. Lad Szalaj

### TASK ORDER NUMBER:
TO 186 4-29015

### PRINCIPAL INVESTIGATOR:
Dr. Ali Maher

### Project Starting Date: 01/01/2006
**Original** Project Ending Date: 12/31/2006
**Modified Completion Date:** Period Covered: 4th Quarter 2006

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Project Abstract:

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The anticipated results are the creation of a library special collection made available on the LTAP website, monthly newsletter publication, an updated fax/e-mail directory for the transportation field, expanded training programs and additional conferences, and increased involvement with pertinent professional organizations.

1. Progress this quarter by task:

   A. Compile and Maintain Mail List

       The contact list database was updated to include 170 new public works and utilities authorities email contacts and 175 municipal engineering email contacts to the email distribution list. In addition, 4 contacts were added by individual request. New contacts were obtained from technical assistance requests. An updated list of municipal public works mailing addresses was created. This list contains 625 addresses.

   B. Publish Monthly Newsletter

       Approximately 3,000 individuals received each issue of the newsletter. Three issues of the newsletter were produced during this quarter. Electronic distribution of the newsletter occurred via e-mail.

       Volume 8, Number 7 was published in July 2006. The first edition of the quarter included articles on the resignation of USDOT Secretary Mineta, the Municipal Engineering Construction Inspection Program Graduation, Incident Command System training for water utilities, NJDOT local aid to municipalities and counties, urban highway rehabilitation, Garret
Morgan Academy scholarship winner, and New Jersey Department of Community Affairs SHARE program. The Professional Development Corner featured team building. This issue’s Free for the Asking offering was SAFETEA-LU: A Guide to Provisions Related to Local Government, a publication released by the American Public Works Association (APWA).

Volume 8, Number 8 was published in August 2006. This issue featured information on transportation solutions to high ozone conditions, the 2nd Annual Traffic Engineering and Safety Forum, the EPA handbook on total coliform rule, graduated driver licensing and its impact on reducing fatal crashes, metropolitan planning requirements, and career advancement. The Professional Development Corner highlighted the topic of advanced degrees. This month’s Free for the Asking was National Strategy to Reduce Congestion on America’s Transportation Network, a publication released by the United States Department of Transportation.

Volume 8, Number 9 was published in September 2006. The third issue of the quarter contained articles about the quarter included articles on “Safe at any Speed”, Mechanistic-Empirical Design Guide, the historical legacy of John Roebling, National NeighborWoods month, U.S. Department of Homeland Security (DHS) Commercial Equipment Direct Assistance Program (CEDAP) and the New FHWA Website to Help Strengthen Transportation Planning and Environment Linkages. This issue’s Free for the Asking offering was Guidelines for the Collection of Long-Term Pavement Performance Data, published by the Federal Highway Administration (FHWA).

C. Distribute Technology Transfer Materials

512 technical publications were distributed during this quarter. Technology transfer materials were distributed during training seminars, workshops, and Free for the Asking requests via the newsletter. In addition, specific requests were made by customers for technical publications, which were duplicated and distributed.

D. Provide Technical Assistance

There were 297 instances of technical assistance provided by the LTAP staff. Requests were received via telephone, e-mail, mail, and fax.

E. Provide Training

Training has occurred this quarter in the following program areas: Road Scholar I and an assortment of transportation and infrastructure related seminars, as well as various programs offering Continuing Education Units (CEUs) for New Jersey Certified Public Works Managers. During this quarter, 428 individuals were trained via 22 programs.
Revision of several programs occurred during this quarter. Course content for Shared Services and Privatization, Managing Public Equipment, Winter Maintenance, and Preventive Maintenance were modified.

F. Evaluate Effectiveness of Program

During this quarter, several meetings with internal staff, sponsoring agencies, and partnering agencies have been conducted to evaluate the program’s current and future direction. A meeting was conducted with the National LTAP Program Manager to discuss the New Jersey program’s status. Identification of the membership of the Stakeholder committee was completed in September. The first meeting of this group will be in October 2006.

Training program effectiveness was measured by use of course evaluations completed by participants at the end of each training program. Participants were asked to rate the overall quality of the course content, instructor, and presentation of the materials. Participants consistently rated the programs as having met or exceeded their expectations and as being one that they would recommend to others.

Development of several new operating procedures has begun. Modified instructor review forms, as well as cost-benefit analysis for training programs will begin in 2007.

The program will begin a strategic planning process in either the last quarter of 2006 or the first quarter of 2007.

2. Proposed activities for next quarter by task:

A. Compile and Maintain Mail List

The mail list will be continually be updated on an as needed basis.

B. Publish Monthly Newsletter

The newsletter will remain on a monthly publishing schedule.

C. Distribute Technology Transfer Materials

Technology transfer materials will be distributed during training programs, and by request. The lending library is always available. Materials will be distributed at the League of Municipalities Conference in November 2006.
D. Provide Technical Assistance

Technical assistance will be provided in response to any inquiries made via telephone, fax, or e-mail.

E. Provide Training

Training programs are scheduled for the next quarter as follows:

Traffic Control Coordinator Program
Road Scholar One Program
Road Scholar Two Program
Transportation/Infrastructure Seminars

F. Evaluate Effectiveness of Program

Evaluations will continue to be distributed at each program.

An Advisory Committee meeting will be held to review the project’s financial status and progress once each quarter.

A Steering Committee meeting will be held every other month and/or on an as-needed basis to review program activities and initiatives, as well as to set long-term goals.

A Stakeholder meeting will be held during this quarter to evaluate stakeholder satisfaction and allow an open forum for the exchange of ideas, questions, and comments.

3. List of deliverables provided in this quarter by task (product date):

A. Compile and Maintain Mail List

New Email Contacts    July-September 2006
2006 Updated Public Works Mail List    August 2006

B. Publish Monthly Newsletter

Volume 8, Number 7    July 2006
Volume 8, Number 8    August 2006
Volume 8, Number 9    September 2006
C. Distribute Technology Transfer Materials

D. Provide Technical Assistance

E. Provide Training

New Diesel Emission Standards        July 26, 2006
Stone Mastic Asphalt Refresher       August 14, 2006
First Responders- Working with Utilities August 17, 2006
Selection of Snow and Ice Materials to Mitigate Environmental Impact September 7, 2006
Do it Yourself Solutions that Really Work September 7, 2006
Implementing Training Tools           September 7, 2006
Deicer Performance and Environmental Impact September 7, 2006
Model Media Package for Before and After the Storm September 7, 2006
Applying MDSS to Improve Snow and Ice Control Operations September 7, 2006
Safe and Effective Machine Inspections and Equipment Operation September 7, 2006
Improved Winter Decision Making Techniques September 7, 2006
Simplified Technology for Difficult Research Products September 7, 2006
Snow Chemistry and Contaminants       September 7, 2006
Best Practices for NJ Transportation Agencies September 7, 2006
Overview of Army Corps of Engineers Research Tools/Facilities September 7, 2006
Safe Winter Operations for Professional Snowfighters September 7, 2006
Snow Plowing Roundabouts               September 7, 2006
 Implementing and Anti-icing Policy at the Municipal Level September 7, 2006
Winter Maintenance                    September 20, 2006
Preventive Maintenance                September 20, 2006
Drainage Maintenance: the Key to Roads that Last September 27, 2006
Asphalt Roads: Common Maintenance Problems September 27, 2006
Traffic Signal Design                 September 27, 2006

F. Evaluate Effectiveness of Program

Stakeholder Committee Identification September 2006

4. Progress on Implementation and Training Activities:

All of the activities of this technology transfer project, and their implementation dates are included above.

5. Problems/Proposed Solutions:
<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total Project Budget</strong></td>
<td>$50,000.00</td>
</tr>
<tr>
<td><strong>Modified Contract Amount:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Total Project Expenditure to date</strong></td>
<td>$50,000</td>
</tr>
<tr>
<td><strong>% of Total Project Budget Expended</strong></td>
<td>100%</td>
</tr>
</tbody>
</table>

NJDOT Research Project Manager Concurrence: ___________________________ Date: ________