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ETT259

CENTER FOR TRANSPORTATION INFRASTRUCTURE AND SAFETY

Missouri Local Technical Assistance Program at Missouri University of Science and Technology

Annual Progress Report

by

Heath Pickerill

A National University Transportation Center at Missouri University of Science and Technology

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Table of Contents

Annual Progress Report: January – December 2010.	.1
ppendices	.7
ppendix A: LTAP Committees	
ppendix B: LTAP Partnerships	
ppendix C: 2010 Training Sessions Summary	
ppendix D: "Show Me" Road Scholar Program Course Descriptions	
ppendix E: Road Scholar Program Registered Agencies	



Missouri Local Technical Assistance Program at Missouri University of Science and Technology

ANNUAL PROGRESS REPORT

January 1, 2010 – December 31, 2010

Missouri S&T Contact: Heath Pickerill Director, Missouri LTAP at Missouri S&T 710 University Drive, Suite 121 Rolla, Missouri 65409 573-341-7637 <u>pickeril@mst.edu</u>

Deliverables:

The deliverables required of the LTAP contract consist of 6 tasks, which are outlined in detail below.

Task A - Compile and Maintain a Mailing List

Goals for Task A:

- Maintain the current data base to insure a realistic customer base is being reached;
- Increase the number of addresses included in our mailing list by a minimum of 15% each year.

Progress to date:

MISSOURI LTAP MAILING LIST COMPARSION							
2008 2009 2010							
	Per quarter	Per quarter	Per quarter				
Mailing list total	4,150	4,881	4,870				
Clean up from prior	483	-Clean up quarterly	-Clean up quarterly				
year							

Mailing list is still continually being updated to purge outdated addresses, while adding new contacts to our database. We have recently added the state Emergency Management Directors through our partnership on the ATSSA training.

Task B - Publish a Quarterly Newsletter

Goals for Task B:

- Maintain the size of the newsletter at a minimum of 12 pages;
- Expand the size of the newsletter as needed to provide relevant and timely information to our customer base;
- Increase newsletter circulation by a minimum of 15% over 2006 levels.

Progress to date:

MISSOURI LTAP NEWSLETTER COMPARSION							
2008 2009 2010							
	Annual	Annual	Annual				
Circulation Total	17,500	17,400	19,480				
Return %*	4%	2%	2%				

*Approximate % based on returns per quarter

- The circulation total decrease for 2009 is due to the mailing list clean-up, as well as the decrease in production order amounts;
- > Throughout 2010 we maintained the newsletter at 16 pages;
- Circulation is reflected in our mailing list total due to the continuous clean-up process.

Goals for Task C:

- Distribute timely and relevant publications to our customer base at conferences, meetings, and through our partners.
- Provide a Media Center Coordinator to coordinate library services, maintain relevant technical information, and improve response time to client requests.
- Continue a cooperative relationship with our MoDOT ambassadors in order to improve the promotion of Missouri LTAP services and the distribution of technical information.

Progress to date:

MISSOURI LTAP TECHNOLOGY TRANSFER MATERIALS COMPARSION							
2008 2009 2010							
	Annual	Annual	Annual				
Materials Distributed	5,467	6,527	7,013				
Technical Assists*	20%**	20%**	20%**				

*Includes letters, phone calls, emails and face-to-face meetings

**Measured by percentage of quarterly time spent on technical assists.

- > Distribution of materials per quarter:
 - \circ 1st 2,215 publications at no charge
 - 2nd − 1,848 publications at no charge
 - \circ 3rd 1,150 publications at no charge
 - \circ 4th 1,800 publications at no charge
- An Advisory Committee meeting was held with Advisory Committee members on April 1, 2010 and November 10, 2010. Guidance was provided at both meetings and is being implemented (see attached notes for more details).
- The Ambassadors' meeting was held December 8 (see attached notes for more details). We feel the ambassadors understand their role with LTAP and how important their connection with the counties is in helping us reach our customers. We agreed on action items that they could do to help initiate the counties and local agencies involvement. We also discussed ways we can continue to strengthen their relationship with LTAP.

Task D - Provide Information Services

Goals for task D:

- Maintain the Missouri LTAP Web Page to include dynamic capabilities;
- Provide improved response time through increased staffing;
- Increase advertisement of the cooperative and surplus equipment purchasing program.

Progress to date:

In May 2007, the webpage was approved and went live. We have since had approximately 22,000 hits. The webpage includes a more user-friendly look and easier surfing approach. We continue to update and add new items to the webpage. Implementation of the online registration is still in progress. The University has looked at several different options to best meet our needs, as well as be cost effective. They have narrowed it down to a few options for accepting payment. We have decided to move forward with the online registration with the option to mail a check, fax their credit card information or request invoicing. The projected live date for this will be late January or early February. We will continue to work diligently within the UM system to finalize the online payment option.



- > We continue to hire part-time students to aid in various projects.
- Advertisement of the cooperative and surplus equipment purchasing program has increased through the newsletter. There are currently 291 local agencies enrolled in the cooperative purchasing program.

Task E - Conduct and/or Arrange Seminars and Workshop Training Sessions

Goals for Task E:

- Establish a Core Curriculum of at least eight topics for the following professional levels:
 - o Field/Entry level
 - o Technical/Professional
 - Mid and Senior Management
- Establish an instructor base to support the core curriculum topics at each level.
- Build an in-state instructor portfolio. Utilize the LTAP Clearinghouse National Instructor Base until the portfolio is fully developed. Work with national and in-state partners to promote partnered training whenever possible. APWA's Click, Listen and Learn web based training is one example of available training resources.
- Increase delivered workshops and training sessions by 50% over FY 2006 levels.

Progress to date:

- We created a 12-month calendar starting in January 2008 and had great success with the number of attendees. A 12-month calendar was created for 2009, 2010 and again for 2011 (see attached schedule).
- The Missouri "Show-Me" Road Scholar Program was deployed in the summer of 2008. The core curriculum courses were an integral part of the courses outlined for the Road Scholar Program. The Road Scholar Program allows us to broaden the types of trainings we offer and recognize those individuals who attend and therefore take an interest in their future personal and professional development. There was and continues to be constant interaction with the partners who participated in the development of the program. This has allowed us to have all of the interested organizations involved throughout the process of developing and finalizing the structure of the program. The partnering organizations signed a partnership agreement in effort to pledge their support to Missouri LTAP for the Road Scholar Program. More information on the Road Scholar Program is available in the section labeled Road Scholar Program. We are happy to report that we have our first twenty-two (22) Road Scholar graduates from across the state. They have been recognized in two ceremonies in 2010. The first was held at the Republic City Council meeting in August and the second was held at the MACTO conference in November. A third ceremony is planned at the Platte County Commissioner's Administrative Session on February 14, 2011.
- Our instructor portfolio has increased dramatically since 2006. We continue to add instructors to our portfolio (see attached list).
- We have continued to partner with the MoDOT Safety Team to assist in the logistics for partnered training. We participated in the Blue Print Coalition for Safety Conference

planning. In addition, Missouri LTAP gave three presentations on various programs at the last conference.

- Conferences we attended for 2010:
 - o Transportation Research Board (TRB), Washington D.C., January
 - o CCAM Training Conference, Jefferson City, MO, February
 - o TEAM Conference, Branson, MO, March-presented a break-out session
 - NACE, Fort Worth, TX, April
 - o APWA Education Summit, Kansas City, April
 - o Traffic & Safety Conference, Columbia, MO, May
 - Region 7/8 Conference, Bismark, ND, June
 - o Councils to Campus, Columbia, MO, June
 - NLTAPA Conference, Oklahoma City, OK, July
 - o MML Annual Conference, St. Charles, MO, September
 - o Regional Every Day Counts (EDC) Summit, Minneapolis, MN, October
 - o MINK 10, St. Joseph, MO, October
 - o MACTO, Lake of the Ozarks, MO, October
 - o Missouri APWA Conference, Lake of the Ozarks, MO, November
 - o MAC Conference, Lake of the Ozarks, MO, November
- > Meetings we attended regularly in 2010:
 - o Blueprint Coalition Regional Meeting
 - Infrastructure Subcommittee Meeting
 - APWA Education Committee Conference Call Meeting, monthly
 - o MoDOT Safety Team Committee Meeting, quarterly
 - o Center for Education Safety, Transportation Committee, bi-monthly

MISSOURI LTAP TRAINING COMPARISONS							
2008 2009 2010							
	01/01-12/31/08	01/01-12/31/09	01/01-12/31/10				
Number of Trainings	61	110	162*				
Number of Attendees	1,883	2,594	4,692*				

*Includes the ATSSA Incident Traffic Control for Responders

Task F - Evaluate Effectiveness of Program Goals for task F:

- Continue to evaluate the effectiveness of the program through course evaluations and other customer feedback;
- Seek guidance on center operations from the Advisory Committee and the MoDOT Ambassadors;
- Review membership on the Advisory Committee to ensure that it reflects our customer base;
- Finalize hiring actions to bring center staffing up to an acceptable level to provide the best-possible customer support within available funding.

Progress to date:

- Evaluation forms are distributed to all course attendees (see attached evaluation summary). Input from the evaluation forms is used to improve future training.
- We held an Ambassadors' meeting on December 8, 2010 (see attached notes). Seven of the districts were represented. We updated the ambassadors on the MO LTAP Program and budget, as well as briefed them on the new programs that we have or will be implementing. The Ambassadors provided great feedback and guidance for LTAP's growth. The Ambassadors continue to give valuable input and provide an important link to the local agencies in their respective districts.

- At our last Advisory Committee meeting, we discussed the make-up of the group, and the consensus was the group is well represented across the state. However, suggestions were made on other individuals who could represent a new segment of our customer base. These suggestions will be explored and possibly be considered to replace a few members who have not been active. The committee agreed that members who have not attended meetings in the past two years should be replaced.
- The staff includes a full-time director, program coordinator, administrative assistant, part-time outreach/training coordinator and student worker. Match funding opportunities are being explored to increase the part-time outreach/training coordinator to a full-time position. The intent is to finalize this staffing in the first half of 2011.



LTAP committees

APWA Roadway Safety Subcommittee:

- Committee members through interaction recommend to the Transportation Committee roadway safety educational opportunities, grants, programs and policies;
- The sub-committee serves as a conduit for exchange of information to and from APWA members.

APWA Education Committee:

- Build a formal infrastructure for education within the board and within the curriculum to facilitate improved communication and collaboration among all key stakeholders;
- Establish national professional standards for executives and managers in Public Works to help define the 21st Century manager and leader;
- Identify and pursue partnerships with other organizations to enhance the service and capabilities of the association;
- Focus on mentoring younger members by providing mentoring tools and training and make available to the chapters;
- Heath serves as the NLTAPA liaison on this national committee.

Blueprint Coalition Regional Committee:

- Working with the Southeast region to provide educational materials on buckling up and safety seatbelts;
- Aided in the regions push for the primary seatbelt law;
- Worked with the Highway Patrol, Troop I in the past, to bring the teen program "21 days" to the Phelps County High Schools. "21 days" is an intense program that works with the school, local media relations, and the coalition to implement the "Buckle UP" concept.

Missouri Coalition for Roadway Safety Infrastructure Subcommittee:

- Produced a Road Safety Assessment (RSA) brochure to handout at conferences, meetings, and to our mailing list on the benefits of RSAs;
- Continue to coordinate with MoDOT, MARC, and FHWA to get mapping information on high crash areas easily accessible to the locals;
- Received a grant from FHWA to do a Road Safety Assessment pilot program in Boone County. Worked with the MoDOT safety team to pull the RSA team together.

Missouri CPM Program focus group:

- Provide feedback during course development;
- Program is designed to help refine and improve the management skills of today's emerging leaders in state, local government, and non-profit agencies.

NLTAP Advisory Committee on Partnerships

- Maintain existing national partnerships and review the potential for new ones;
- Heath serves as co-chair of the committee.



LTAP partnerships

Advisory Committee:

• Having more frequent meetings than in previous years to bring the best possible training and resources to local agencies;

• Committee provides great feedback and suggestions on areas that need improvement.

County Commissioner's Association of Missouri (CCAM):

- MO-LTAP staff attended regional meetings to promote the center;
- MO-LTAP served as a sponsor at the annual training in February 2010 and will do the same in 2011..
- MO-LTAP will present New Federal Retro-Reflectivity Standards for Road Signs & Roadway Marking training session at the annual training in February 2011.

Management Develop Institute (MDI) at Missouri State University:

- Heath completed the full Supervisor's Bootcamp course; 2 sessions-8 days total;
- Supervisory and managerial courses offered by MDI are a resource for offering these types of courses to our customers;
- Heath serves on their Missouri CPM Program focus group.

Missouri Association of Councils of Government (MACOG):

- Attend various MACOG meetings to promote Missouri LTAP;
- Maintain a close relationship with MRPC-Meramec Regional Planning Commission; Executive Director, Richard Cavender, is a member of the Advisory Board. Gave a presentation on Missouri LTAP and the Road Scholar Program during a recent TAC meeting at MRPC;
- All RPC's on mailing list and training mailing list.

Missouri Association of Counties (MAC):

- MAC is a partner in the Road Scholar Program;
- MO-LTAP contributes articles to their newsletter.
- MO-LTAP staff attends their yearly meeting, which includes having a display booth.

Missouri Association of County Transportation Officials (MACTO):

- MACTO is a partner in the Road Scholar Program;
- MO-LTAP staff member serves as Executive Director;
- Serve on the planning committee for the MACTO Conference;
- Provide important link to maintenance crews and others at the local level.

Missouri Association of Public Entity Risk Management Fund (MOPERM):

- MOPERM is a partner in the Road Scholar Program;
- Often require the local agencies that they underwrite for insurance to take training to avoid raising their rates;
- Receptive to partnering in order to take advantage of existing MO LTAP training;
- Interested in partnering with MO-LTAP to develop new training that could benefit their customers.

2010 ANNUAL PROGRESS REPORT

Missouri Chapter American Public Works Association (APWA):

- MO Chapter APWA is a partner in the Road Scholar Program;
- Coordinate with John Buckwalter, Education Director of Missouri Chapter, and Gary Scheipeter, 2009 MO Chapter APWA President, on partnering opportunities.
- Larry Frevert, APWA past president, serves on the Advisory Committee;
- Buy the Click, Listen & Learn CD"s to include in our library;
- Offer Click, Listen & Learn session to local agencies.
- Participating with Iowa, Nebraska, and Kansas at a breakout session on the services of the LTAP centers at the APWA Mid America Conference in May 2011.

Missouri Department of Transportation (MoDOT)

District Ambassadors:

- Understand their role and importance in bringing the knowledge of LTAP to the local agencies in their district;
- All have agreed to be our liaison for the counties;
- Agreed to provide us the information of the demographics in their area to better aid in getting the appropriate training in their district.

Incident Response:

• Partnering on registration for the ATSSA class, *Incident Traffic Control for Emergency Responders*;

MO-LTAP Program Administrator:

- Has helped strengthen partnerships throughout MoDOT;
- Provides valuable input on areas in which to focus;
- Provides great resources to aid in bettering our relationship with the locals;
- Attends meetings, regional and NLTAPA conferences, to be a part of the team effort, as well as provide great input at the meetings.

Safety Team:

- Partnering on doing training sessions. Worked with them to do the Horizontal Curve Safety Training sessions in Springfield and Chesterfield;
- Serve on the planning committee for the Traffic & Safety Conference.

Training Development & Delivery:

• Collaborate on sharing resources and training

Missouri Emergency Response Commission (MERC):

• Partnering on providing HAZMAT training in 2011.

Missouri Municipal League (MML):

- MML is a partner in the Road Scholar Program;
- MO-LTAP is a member of MML;
- A resource to help increase our mailing list;
- Attend their yearly conference, which includes having a display booth.

University of Missouri Extension Center

- Partner in the Road Scholar Program;
- MO-LTAP using UM Extension Centers and UM Telecommunications Resource Centers (TCRCs) to hold training classes;
- Attend the UM Extension Councils to Campus event on the Columbia campus to share information on MO-LTAP;
- Partnered to offer UM Extension Basic Computer Skills training class in December 2009; will continue to offer the training.



2010 TRAINING SESSIONS

				NUMBER
DATE OF TRAINING	TITLE OF TRAINING	LOCATION	INSTRUCTOR	ATTENDED
January 11, 2000	ATSSA-Incident Traffic Control for Responders	Chesterfield	ATSSA Instructor	37
January 11, 2010	ATSSA-Incident Traffic Control for Responders	California	ATSSA Instructor	35
January 12, 2010	ATSSA-Incident Traffic Control for Responders	Kirksville	ATSSA Instructor	18
January 26, 2010	ATSSA-Incident Traffic Control for Responders	Tuscumbia	ATSSA Instructor	46
January 27, 2010	Work Zone Safety & Flagger, 8:30 am - 12:30 pm	City of Bolivar	Lennie Collins	23
February 1, 2010	ATSSA-Incident Traffic Control for Responders	Lincoln	ATSSA Instructor	37
February 8, 2010	ATSSA-Incident Traffic Control for Responders	Chesterfield	ATSSA Instructor	30
February 11, 2010	Communication Skills, 8:00 am - 12:00 pm	Jefferson County HazMat Building	John Graham	8
February 16, 2010	ATSSA-Incident Traffic Control for Responders	Lamar	ATSSA Instructor	32
		St. Charles County Admin Building, Room		
February 16, 2010	Communication Skills, 8:00 am - 12:00 pm	529	John Graham	9
February 17, 2010	Work Zone Safety & Flagger, 8:00 am - 12:00 pm	City of Creve Coeur	Robin Shepard	22
February 17, 2010	Workplace and Job Site Safety, 8:00 am - 12:00 pm	Pike County Highway Garage	Lennie Collins	29
February 18, 2010	ATSSA-Incident Traffic Control for Responders	St. Joseph	ATSSA Instructor	34
February 18, 2010	Communication Skills, 8:30 am - 12:30 pm	Cape Girardeau Extension Center	John Graham	6
February 22, 2010	Workplace and Job Site Safety, 8:00 am - 12:00 pm	Greene County Highway Department	Robin Shepard	40
February 23, 2010	ATSSA-Incident Traffic Control for Responders	Madison	ATSSA Instructor	40
February 24, 2010	ATSSA-Incident Traffic Control for Responders	Warrensburg; Noon - 4 pm	ATSSA Instructor	40
February 24, 2010	ATSSA-Incident Traffic Control for Responders	Warrensburg; 6 pm - 10 pm	ATSSA Instructor	37
February 25, 2010	ATSSA-Incident Traffic Control for Responders	Sikeston	ATSSA Instructor	37
February 25, 2010 February 25, 2010	ATSSA-Incident Traffic Control for Responders	Poplar Bluff	ATSSA Instructor	39
,		Joplin City Hall	Robin Shepard	10
March 1, 2010	Workplace and Job Site Safety, 8:00 am - 12:00 pm ATSSA-Incident Traffic Control for Responders	Chesterfield	ATSSA Instructor	37
March 8, 2010				
March 8, 2010	Communication Skills, 8:00 am - 12:00 pm	Willow Springs, MoDOT District 9	John Graham	9
March 9, 2010	ATSSA-Incident Traffic Control for Responders	Lebanon; 1 pm - 5 pm	ATSSA Instructor	29
March 9, 2010	ATSSA-Incident Traffic Control for Responders	Lebanon; 6 pm - 10 pm	ATSSA Instructor	35
March 9, 2010	Work Zone Safety & Flagger, 8:00 am - 12:00 pm	Chesterfield Public Works Facility	Diane Heckemeyer, Linn State	38
		Columbia - Daniel Boone Public Library,		
March 10, 2010	Communication Skills, 8:00 am - 12:00 pm	Conference Room	John Graham	22
March 10, 2010	Computer Skills Training, 8:00 am - 12:00 pm	Kirksville TCRC	TCRC Instructor	1
March 11, 2010	ATSSA-Incident Traffic Control for Responders	Kahoka	ATSSA Instructor	36
March 11, 2010	Computer Skills Training, 8:00 am - 12:00 pm	Nevada TCRC	Leslie Carroll	8
March 11, 2010	Computer Skills Training, 8:00 am - 12:00 pm	Reed Springs TCRC	Nellie Lamers	5
March 11, 2010	Work Zone Safety & Flagger, 8:00 am - 12:00 pm	Hannibal, MoDOT District 3	Jay Jordan	18
March 11, 2010	Work Zone Safety & Flagger, 8:30 am - 12:30 pm	City of St. Charles, City Hall, 4th Floor	Lennie Collins	15
		Festus Special Road District/Crystal City/		
March 12, 2010	Work Zone Safety & Flagger, 8:00 am - 12:00 pm	City Hall	Lennie Collins	27
March 15, 2010	ATSSA-Incident Traffic Control for Responders	Maryville	ATSSA Instructor	41
March 15, 2010	Work Zone Safety & Flagger, 8:00 am - 12:00 pm	Maryville	Jay Jordan	10
March 16, 2010	Work Zone Safety & Flagger, 8:00 am - 12:00 pm	Joplin City Hall	Lennie Collins	10
March 17, 2010	ATSSA-Incident Traffic Control for Responders	Hillsboro	ATSSA Instructor	35
March 17, 2010	Communication Skills, 8:00 am - 12:00 pm	Branson - TEAM Conference	John Graham	10
		City of Columbia	Diane Heckemeyer, Linn State	
March 17, 2010	Work Zone Safety & Flagger, 1 pm - 5 pm Work Zone Safety & Flagger, 8:00 am - 12:00 pm	City of Columbia	Diane Heckemeyer, Linn State	20
March 17, 2010	,	Smithville; Noon - 4 pm	ATSSA Instructor	20
March 18, 2010	ATSSA-Incident Traffic Control for Responders		ATSSA Instructor	35
March 18, 2010	ATSSA-Incident Traffic Control for Responders	Smithville; 6 pm - 10 pm Rolla, Havener Center, Turner Room	Lennie Collins	41
March 18, 2010	Work Zone Safety & Flagger, 8:00 am - 12:00 pm		Lennie Collins	17
March 22, 2010	Work Zone Safety & Flagger, 1 pm - 5 pm	Clay County Highway Department - Kearney	Cindy Cox	23
March 23, 2010	ATSSA-Incident Traffic Control for Responders	Lamar	ATSSA Instructor	38
March 23, 2010	Work Zone Safety & Flagger, 8:00 am - 12:00 pm	Platte County Resource Center	Cindy Cox	20
March 30, 2010	ATSSA-Incident Traffic Control for Responders	Plattsburg	ATSSA Instructor	48
April 6, 2010	Culvert Installation/Maintenance, 1:00 pm - 5:00 pm	Vernon County	Lennie Collins	12
April 6, 2010	Emergency Management, 8:00 am - 12:00 pm	Columbia Airport	Becky Covington	7
April 6, 2010	Gravel Roads Maintenance, 8:00 am - 12:00 pm	Vernon County	Lennie Collins	25
April 7, 2010	Culvert Installation/Maintenance, 1:00 pm - 5:00 pm	Maryville	Lennie Collins	18
April 7, 2010	Gravel Roads Maintenance, 8:00 am - 12:00 pm	Maryville	Lennie Collins	19
April 7, 2010	Inspection Requirements for Transportation Funds	Willow Springs, D9	Dave Luther	43
April 8, 2010	ATSSA-Incident Traffic Control for Responders	Butler; Noon - 4 pm	ATSSA Instructor	32
April 8, 2010	ATSSA-Incident Traffic Control for Responders	Butler; 6 pm - 10 pm	ATSSA Instructor	34
April 8, 2010	Culvert Installation/Maintenance, 1:00 pm - 5:00 pm	Chillicothe, Dean Machinery	Lennie Collins	13
April 0, 2010	ourvert installation maintenance, 1.00 pm 0.00 pm		Lennie Collins	

April 12, 2010	ATSSA-Incident Traffic Control for Responders	Chesterfield	ATSSA Instructor	34
April 12, 2010	ATSSA-Incident Traffic Control for Responders	Vichy	ATSSA Instructor	37
April 12, 2010	Communication Skills, 8:00 am - 12:00 pm	Jasper County Highway Department	John Graham	11
April 12, 2010	Workplace and Job Site Safety, 8:00 am - 12:00 pm	Willow Springs	Robin Shepard	5
April 13, 2010	ATSSA-Incident Traffic Control for Responders	Macon	ATSSA Instructor	38
April 13, 2010	Defensive Driving, 8:30 am - 12:30 pm	Johnson County (Specialized)	Elmer Gillette	23
April 14, 2010	Communication Skills, 8:00 am - 12:00 pm	City of Peculiar	Cynrthia Cox	8
April 14, 2010	Culvert Installation/Maintenance, 1:00 pm - 5:00 pm	Cape Girardeau Extension Center	Lennie Collins	14
April 14, 2010	Defensive Driving, 8:30 am - 12:30 pm	Johnson County (Specialized)	Elmer Gillette	21
	Gravel Roads Maintenance, 8:00 am - 12:00 pm	Cape Girardeau Extension Center	Lennie Collins	
April 14, 2010			ATSSA Instructor	26
April 15, 2010	ATSSA-Incident Traffic Control for Responders	Forsyth	ATSSA IIISII UCIOI	45
April 15, 2010	Culvert Installation/Maintenance, 1:00 pm - 5:00 pm	Havener Center, Rolla, Missouri Room	Lennie Collins	6
April 15, 2010	Gravel Roads Maintenance, 8:00 am - 12:00 pm	Havener Center, Rolla, Missouri Room	Lennie Collins	17
April 20, 2010	Culvert Installation/Maintenance, 1:00 pm - 5:00 pm	Camden County (Specialized)	Lennie Collins	16
April 20, 2010	Gravel Roads Maintenance, 8:00 am - 12:00 pm	Camden County (Specialized)	Lennie Collins	17
April 20, 2010	Motor Grader Training	Kansas City, Dean Machinery	Kevin Spurgeon	19
April 21, 2010	Emergency Management, 8:00 am - 12:00 pm	Joplin City Hall	Becky Covington	6
	Work Zone Safety & Flagger Training	City of Nixa	Lennie Collins	20
April 21, 2010		Monnett	ATSSA Instructor	
April 22, 2010	ATSSA-Incident Traffic Control for Responders			40
April 22, 2010	Motor Grader Training, 8:00 am - 12:00 pm	Fabick Cat, Springfield Phelps County Highway Dept	Kevin Spurgeon	46
April 26, 2010	Workplace & Job Site Safety	(Specialized)	Robin Shepard	26
April 27, 2010	ATSSA-Incident Traffic Control for Responders	Trenton	ATSSA Instructor	41
April 28, 2010	Math Skills Training 8:00 am - 12:00 pm	City of Nixa	Vijay Bhasin	10
April 29, 2010	Work Zone Safety & Flagger Training	St. Louis County (Specialized)	Cynrthia Cox	21
	Signing & Pavement Markings	Havener Center, Rolla, Missouri Room	Jay Jordan	21
May 6, 2010	Signing & Pavement Markings	Havener Center, Rolla, Missouri Room	Jay Jordan	9
May 10, 2010	ATCCA Insident Troffic Control for Deenenders	Chesterfield	ATSSA Instructor	10
May 10, 2010	ATSSA-Incident Traffic Control for Responders			12
May 13, 2010	Introduction to Microsoft Word	Reed Springs TCRC	Nellie Lamers	1
May 18, 2010	ATSSA-Incident Traffic Control for Responders	Lee's Summit; 8 am - Noon	ATSSA Instructor	25
May 18, 2010	ATSSA-Incident Traffic Control for Responders	Lee's Summit; 1 pm - 5 pm	ATSSA Instructor	33
May 19, 2010	Emergency Management, 8:00 am - 12:00 pm	Joplin City Hall	Becky Covington	11
May 20, 2010	ATSSA-Incident Traffic Control for Responders	Monnett	ATSSA Instructor	32
May 25, 2010	ATSSA-Incident Traffic Control for Responders	Salisbury	ATSSA Instructor	22
		New Madrid	John Graham	
June 3, 2010	Communication Skills, 8:00 am - 12:00 pm			5
June 14, 2010	ATSSA-Incident Traffic Control for Responders	Chesterfield	ATSSA Instructor	17
June 22, 2010	Gravel Roads Maintenance, 8:00 am - 12:00 pm	Mexico Teleconference Center	Lennie Collins	2
June 24, 2010	Culvert Installation/Maintenance, 1:00 pm - 5:00 pm	Greene County Highway Department	Lennie Collins	11
June 24, 2010	Gravel Roads Maintenance, 8:00 am - 12:00 pm	Greene County Highway Department	Lennie Collins	4
June 28, 2010	Roadway Safety Fundamentals	St. Charles	Robin Shepard	28
June 29, 2010	Signing & Pavement Markings, 8:00 am - 12:00 pm	Maryland Heights	Jay Jordan	26
June 30, 2010	Defensive Driving, 8:00 am - 12:00 pm	Sikeston - MoDOT District 10	Robin Shepard	34
July 7, 2010	Defensive Driving, 8:00 am - 12:00 pm	Sikeston - MoDOT District 10	Robin Shepard	18
July 12, 2010	ATSSA-Incident Traffic Control for Responders	Chesterfield	ATSSA Instructor	12
		Kirksville & Mineral Area TCRC	TCRC Instructor	0
July 14, 2010	Computer Basics	Portagville & St. Joseph TCRC	TCRC Instructor	
July 15, 2010	Computer Basics, 1:00 pm - 5:00 pm	Mexico, Nevada, Salem & Reeds Springs		0
July 15, 2010	Computer Basics, 8:00 am - Noon	TCRC	Charles Pace for Salem TCRC	3
July 15, 2010	Emergency Management, 8:00 am - 12:00 pm	Chesterfield	Becky Covington	34
July 19, 2010	ATSSA-Incident Traffic Control for Responders	Springfield; Noon - 4 pm	ATSSA Instructor	30
July 19, 2010	ATSSA-Incident Traffic Control for Responders	Springfield; 6 pm - 10 pm	ATSSA Instructor	29
July 20, 2010	ATSSA-Incident Traffic Control for Responders	Springfield	ATSSA Instructor	26
July 21, 2010	Preventive Pavement Maintenance, 8:00 am - 12:00 pm	Holden	Lennie Collins	6
July 29, 2010	Emergency Management, 8:00 am - 12:00 pm	Springfield	Becky Covington	4
August 5, 2010	ADA with Construction Examples	Willow Springs	Ron Effland	32
August 9, 2010	ATSSA-Incident Traffic Control for Responders	Chesterfield	ATSSA Instructor	46
*		Trenton	Jay Jordan	
August 16, 2010	Signing & Pavement Markings			5
August 18, 2010	Defensive Driving, 8:00 am - 12:00 pm	New Madrid Community Building	Robin Shepard	21
August 23, 2010	Gravel Road Maintenance, 1:00 pm - 5:00 pm	Joplin City Hall	Lennie Collins	6
August 23, 2010	Preventive Pavement Marking, 8:00 am - 12:00 pm	Joplin City Hall	Lennie Collins	7
August 25, 2010	Signing and Pavement Markings, 8:00 am - 12:00 pm	Greene County Highway Department	Jay Jordan	18
August 26, 2010	ATSSA-Incident Traffic Control for Responders	Sikeston	ATSSA Instructor	25
August 26, 2010	ATSSA-Incident Traffic Control for Responders	Perryville	ATSSA Instructor	44
*		,		
August 31, 2010	Signing & Pavement Markings	Platte County Resource Center	Jay Jordan	39
September 7, 2010	Preventive Pavement Maintenance	Platte County Resource Center	Lennie Collins	26
September 14, 2010	ADA with Construction Examples	Macon MoDOT District Office	Ron Effland	47
September 15, 2010	ADA with Construction Examples	Hannibal MoDOT District Office	Ron Effland	44
September 21, 2010	Roadway Safety Fundamentals	Republic Community Center	Robin Shepard	10
		MoDOT District 10 Office/Sikeston	Robin Shepard	
September 22, 2010	Roadway Safety Fundamentals		коліт эперати	8
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September 28, 2010 September 28, 2010	De-Paving: Does it Make Sense to go Back to Gravel? Equipment Operation and Safety	St. Joseph- MINK Joplin City Hall	Lennie Collins	53

September 28, 2010	HWA Safety Issues for Local Agencies & Safety Edge Adbantage	St. Joseph- MINK	MINK Instructor	53
September 28, 2010	Legal & Liability Issues for Local Agencies & Reauthorization of the Highway Bill	St. Joseph- MINK	MINK Instructor	53
September 29, 2010	2009 MUTCD Changes: What Locals Need to Know	St. Joseph- MINK	MINK Instructor	53
September 29, 2010	Asset Management for Local Agencies	St. Joseph- MINK	MINK Instructor	53
September 29, 2010	Implementation of State Strategic Highway Safety Plans on	St. SUSCEPT- WINK		55
September 29, 2010	Local Roads	St. Joseph- MINK	MINK Instructor	53
September 29, 2010	Use of Geosynthetics for Mitigation in Road Projects	St. Joseph- MINK	MINK Instructor	53
September 29, 2010	Workplace and Job Site Safety	New Madrid Community Building	Robin Shepard	23
October 5, 2010	Equipment Operation and Safety	Columbia Airport	Lennie Collins	7
OCIODEI 5, 2010			Echinic Collins	/
October 7, 2010	Gravel Road Maintenance	Benton/Scott County American Legion	Lennie Collins	14
October 7, 2010	Motor Grader (Hands On)	Benton/Scott County American Legion	Lennie Collins	19
October 13, 2010	Community & Media Relations	Maryland Heights Community Center	Becky Covington	5
October 13, 2010	Snow & Ice Control	Lake St. Louis Civic Center	Jay Jordan	33
October 14, 2010	Motor Grader Training	Joplin Fabick CAT Dealership	Lennie Collins	31
October 26, 2010	Snow & Ice Control	Laclede County Government Ctr/Lebanon	Jay Jordan	13
October 27, 2010	Snow & Ice Control	Jefferson County Hazmat Bldg	Jay Jordan	14
October 27, 2010	Snow & Ice Control	Cape Girardeau Extension Center	Lennie Collins	12
November 1, 2010	Equipment Operation & Safety	Jasper County - Carthage	Lennie Collins	23
November 2, 2010	Bridge Maintenance Repair & Funding	Lake Ozark- MACTO	MACTO Instructor	172
November 2, 2010	Narrow Band Radios	Lake Ozark- MACTO	MACTO Instructor	172
November 2, 2010	ROW Maintenance: Utility Excavations in ROW Maintenance & Making the \$ Stretch Acceptance of New Roads	Lake Ozark- MACTO	MACTO Instructor	172
November 3, 2010	Good Housekeeping: Job Site & Shop Area	Lake Ozark- MACTO	MACTO Instructor	172
November 3, 2010	Safety in your Shops and Projects: OSHA Requirements & CDL/HAZMAT	Lake Ozark- MACTO	MACTO Instructor	172
	Safety on Rural Roads: Retro-Reflectivity, Low Cost Safety			
November 3, 2010	Improvements	Lake Ozark- MACTO	MACTO Instructor	172
November 4, 2010	Bridge Management and Maintenance	New Madrid Community Building	Lennie Collins	8
November 9, 2010	Communication Skills	Platte County Resource Center	John Graham	16
November 9, 2010	Math Skills	Maryland Heights Community Center	Vijay Bhasin	10
November 9, 2010	Signing & Pavement Markings	Jasper County - Carthage	Lennie Collins	7
November 10, 2010	Communication Skills	Platte County Resource Center	John Graham	14
November 10, 2010	Preventive Pavement Maintenance	Republic Community Center	Jay Jordan	7
November 30, 2010	Snow and Ice Control, 8 am - 12 pm	Cole County Fire Station	Jay Jordan	10
December 1, 2010	LPA Training	Willow Springs District 9	Rick Pilcher	23
December 8, 2010	Equipment Operation and Safety, 8 am - 12 pm	Warrensburg	Lennie Collins	25
December 13, 2010	Communication Skills, 8 am - 12 pm	Platte County Resource Center	John Graham	5
December 14, 2010	Snow and Ice Control, 8 am - 12 pm	Midwest Public Risk, Independence	Jay Jordan	48
December 15, 2010	LPA Training	Sikeston Distrct 10	Jay Lancaster	39
December 15, 2010	Snow and Ice Control, 8 am - 12 pm	Osage Beach	Lennie Collins	17
		Including ATSSA	Students Trained	4692
		Without ATSSA	Students Trained	3204

Including ATSSA	Classes Held	162
Without ATSSA	Classes Held	118



"Show-Me" Road Scholar Program – Level I

Course Descriptions

Revised 9-2-10

Core Courses: (required of all participants)

Communication Skills

The course will cover verbal communication. It will be an interactive course where those attending will exhibit their ability to communicate. Those attending will be presented the best methods of communicating with those around them, which include their superiors, fellow workers, the people they are supervising, media and most of all the general public. Time: 4 hours

Work Zone Safety & Flagger Training

The class will cover Work Zones, the when where and how, as set forth in the MUTCD. Those attending will be instructed on proper set up for traffic control in various situations that may be encountered during construction and maintenance of urban and rural streets and highways.

The attendees will also be instructed in how to direct traffic at a construction and/or maintenance site. The course will cover proper apparel to be worn and the equipment that is approved for use in the MUTCD. The course will also cover the best locations for flaggers to be stationed, proper hand signals and how best to move traffic through different construction and maintenance sites. Participants will be tested on their abilities and issued a document verifying their attendance at the course. Time: 4 hours

Workplace, Equipment and Job Site Safety

The course will cover safety procedures for around the workplace. It will look at various types of safety apparel, how best to lift and how much can be safely lifted, along with some defensive driving skills. Time: 4 hours

"Show-Me" Road Scholar Program - Level I

Elective Courses: (Required to complete 5)

Bridge Incident Inspection

What do you look for when a truck hits one of your bridges or maybe the bridge has been underwater for a week? This course will take you through a process that will let you do a cursory inspection of your bridges to insure that they are safe to allow traffic to use them. Time: 4 hours

Bridge Management and Maintenance

This course discusses the advantages of having a good bridge maintenance program. It will provide you with the information needed to develop a system, what to look for when reviewing your bridges and many different types of maintenance solutions. Time: 4 hours

Culvert Design and Drainage

This course will cover the importance of culverts in the proper design of roads and the various types of culverts on the market today. The course will cover where to use a drainage structure and what type to use. It will go into proper sizing of culvert and determining lengths required for new and replacement culverts. Time: 4 hours

Culvert Installation and Management

Most road maintenance people will say, I can dig a trench and drop a tube in it and cover it up. But do they have any idea of what size pipe to use, what is the best method of installation and do they think to check on the culverts after it is installed. Proper installation of new culverts and the importance of a good management system for all drainage structures within a local agency

The class will point out some best practices in doing all these things and more Time: 4 hours

Defensive Driving

We all know how to drive but what about the other guy? This course trains, those in attendance what to watch for and how to react. It covers situations that occur on the road everyday and encourages everyone to watch out for that other vehicle. Attendees will learn to anticipate the other driver's actions. Time: 4 hours

Gravel Road Maintenance

The course will cover the proper maintenance of gravel roads. It will stress the importance of using the correct aggregates, proper grading methods and the use of various dust control methods and stabilization processes. The safety of the traveling public will be stressed. Time: 4 hours

Materials Inspection

The course will discuss the importance of use the proper materials in road construction and maintenance and how best to get those materials. It will cover some of the more popular test used to guarantee the material being purchased meet the requirement set up for them. There will be a discussion on writing specifications and bidding materials. Time: 4 hours

Motor Grader Training

This course will instruct those attending on good grading practices. Those attending will be advised the various ways to set a grader to perform different functions with a grader. They will also be shown some of the best methods of grading roads and cutting ditches. Proper maintenance of the machine will be stressed along with operator safety and the safety of the traveling public. One should have a general knowledge of the operation of a grader before attending the class. Time: 4 hours

Skid Steer Loaders and Mini Excavators

Skid Steer Loaders and Mini Excavators are becoming common place in many garages. This course will cover safety practices that should be exercised while operating this type of machinery. It will cover proper mounting and dismounting along with good operating procedures. Those attending will learn to observe the environment they are working in. Such as location of utilities, other workers and soil conditions of the work area. They will be instructed in the proper maintenance of the equipment and the importance of having all safety shields and alarms in place and working properly. The course is recommended for anyone operating this type of equipment or someone who will be operating it along with mechanics and supervisors. Time: 4 hours

Tractor Mower Safety

One attending this course will learn the safe operations of tractor mowers, be it sickle, flail, rotary and boom brush mowers. The proper way to mount and dismount will be stressed along with proper techniques for mowing on various terrains. The importance of having proper shields installed and good maintenance of the equipment will be presented. What to wear when operating mowers will be gone over. Even the experienced will learn something. The course is recommended for anyone operating a mower or supervisors who have employees under their direction operating mowers. Time: 4 to 6 hours depending on class size and mower types discussed

Preventive Pavement Maintenance

With the ever increasing demand for better roads and the decreasing revenues agencies need to look at methods of extending the life of their pavements. This course will study the various methods available to give life to your roads. You will learn about the equipment and materials available and how best to apply the modern techniques to you highway system. You will also be advised of the merits of developing a Pavement Management System. Time: 4 hours

Signing and Pavement Marking

The course covers sign pavement marking warrants, proper installation, value of a good inventory and management system and the new federal requirement on retro reflectivity standards. Time: 4 hours

Snow and Ice Control

The course will cover the need for advanced planning, keeping the public informed, types of equipment available, various chemicals available and when to use them, plowing techniques and above all stress safety of the worker and the traveling public. Time: 4 hours

Traffic Signal Maintenance

Traffic signals are becoming more common everyday and like everything mechanical they must be maintained. This course will cover some of the common maintenance problems that occur with signals. It will cover the different types of signals and how they function. It will also look at traffic control when working on signals. Time: 4 hours

Paved Road Maintenance

The course will cover some of the best practices used to maintain the various types of paved roads. Various materials available for patching pot holes, cracks and low areas will be discussed. Some of the different equipment available for maintaining paved roads will be highlighted. There will be discussion of setting up a Pavement Management System to track maintenance efforts and to aid in decisions as to when to rebuild a road. Above all the safety of the worker and the traveling public will be stressed. Time: 4 hours

Other Options:

Attend Annual Mo Association of County Transportation Officials Conference

Register and attend the various educational sessions provide at the conference. Credit will be given for attendance at one conference only over the period one is enrolled in the Road Scholar Program.

Attend Annual Missouri American Public Works Association Conference

Register and attend the various educational sessions provide at the conference. Credit will be given for attendance at one conference only over the period one is enrolled in the Road Scholar Program.



"Show-Me" Road Scholar Program – Level II

Course Descriptions

Revised 9-2-10

Core Courses: (required of all participants)

Managing Employee Performance

Not everyone is suited to perform every task in your workplace. The purpose of this session is to enable you to assess the abilities of your workers and to assign them in the areas where they can contribute the most to your agency. It will also show the benefits in a program for employee development such as the Mo-LTAP "Show –Me" road Scholar Program. Time: 4 hours

Supervisory Communication Skills

Being able to communicate with your workers is very important. This course will present many different techniques available to let your workers know you care about them and how to develop a relationship that ensures top performance from everyone. It will deal with managing different personalities and communicating upper and lower management. Time: 4 hours

Roadway Safety Fundamentals

This course introduces the critical relationships between roads, the roadside, roadway user behavior, and safety. Participants will learn about basics of road safety, solving traffic safety problems, traffic control devices, roadways, improving roadside safety, intersections, and railroad grade crossings. Those in attendance will understand why trees along roadways are hazardous and the reason for putting up Chevrons and various other warning signs. Time: 4 hours

"Show-Me" Road Scholar Program - Level II

Elective Courses: (required to complete 5)

Asset Management and Cost Accounting

This course will stress the importance of tracking an agency's expenditures it is intended to give supervisory and management personnel the tools necessary to operate a department efficiently. Unless one knows where the money is spent, it is difficult to say whether it is spent wisely. If a department is going to run efficiently, good records are important. Purchases must be governed by past experiences and not by seat-of-the-pants decisions. The class will learn what a budget is and how to develop one and most of all how to work within the confines of a good budget. Time 4 hours

Bridge & Culvert Hydraulics

This course will cover information that is required for the proper sizing of culverts and bridges. It will also cover where and how to attain the information needed and the various computer programs available to use the information. It is advisable for those attending to have knowledge of math and some computer skills in order to get the most out of the class. Time: 4 hours

Community and Media Relations

This course will cover the importance of good public relations. It will stress the importance of having a good relationship with the media and how best to attain and maintain that relationship. The session will cover some ways of communicating with the public through mailings, websites, group meetings and simply talking to them. Time: 4 hours

Enhancing Cooperative Work Relationships

This course will show the importance of good working relationships with your fellow employees, neighboring agencies and most of all the state DOT and Federal Highway Agency. It will stress the importance of listening before speaking, understanding before acting and most of all being an involved member of groups. It will help one understand the reasons for being involving in outside organizations and other transportation agencies. Time 4 hours

Human Resource Management

This course will cover the importance of using employees in jobs best suited for them. It will give those attending the ability to identify personal skills of individuals and to recognize certain personality traits. Participants will be instructed in the importance of assigning the right people and the correct number of people to various job assignments. The course will show how these can be accomplished through the use of personnel evaluations and performance reviews. Proper hiring procedures will also be covered and sexual harassment in the work place will be discussed. It will also outline proper procedures for reprimanding an employee and the importance of proper documentation leading up to employee dismissal. Time: 4 hours

Innovative Financing

This class will cover where the MONEY is and how to get it. The course will give an overview of various grant programs available to finance local transportation improvements. Participants will be enlightened on the different funding options available to do specific projects, like bridges, sidewalks, trails etc. Time: 4 hours

Intergovernmental Relations

This course will cover the importance of having a good relationship with other government agencies. In today's world of funding shortages it is more important than ever to work with other agencies to eliminate duplication of services. The course will suggest ways of communicating with other agencies and at what level those communications work best. Time: 4 hours

Legal Aspects of Supervision

Everything we do has a consequence. That is true when we tell someone to go out and dig a ditch or grade a road. We must be aware of those consequences before we give out the daily work schedule. This course will strive to alert those attending of the pitfalls of not giving adequate direction. We have all heard the saying the "BUCK STOPS HERE". The class will hopefully make that a pleasant experience and not a court room appearance. Time: 4 hours

Project Planning and Management

This course is intended to empress upon those attending the importance of good planning. It will show some of the best ways to develop an efficient plan for carrying out a project. Estimating labor and materials cost will be touched on. It will further exhibit the merits of proper management during a project. One must be able to plan what will happen from one day to the next and most important be able to manage what happens on a project. Thinking ahead is important don't just see what is happening today but plan for tomorrow and next week. It just doesn't HAPPEN! Time: 4 hours

Rural Roads Safety Assessments

This course will focus on the rural road safety assessment process. It will show the benefits of assessing the many features that can make a road or roads safer to travel. Those attending will be taken through the process and learn what steps are essential in making these assessments. Time will be spent discussing what can be done with a rural road to make it safer, i.e. adding more signs, correcting vertical and horizontal curves, cutting down a tree or trees or maybe just cutting off a limb.. Time: 4 hours

Urban Roads Safety Assessments

This course will focus on the urban road and street safety assessment process. It will show the benefits of assessing the many features that can make a public through-a-fare safer to travel. Those attending will be taken through the process and learn what steps are essential in making these assessments. Time will be spent discussing what can be done with an urban street to make it safer, i.e. adding more signs or relocating them, correcting vertical and horizontal curves, adding additional lanes, turn lanes altering private or commercial entrances or maybe just trimming some trees.. Time: 4 hours

Urban Traffic Design

This class will deal with the importance of understanding the traffic involved on a proposed project, whether it is an intersection or a roadway design. It will cover the importance of knowing the Average Daily Traffic (ADT), current accidents and type of accidents on the design site and surrounding area. It will also cover some of the more current designs for intersections and roadways based on various traffic volumes. Time: 4 hours

Traffic Signal Installation

This class will cover the proper installation of traffic signals, traffic control during the work, as well as the proper installation of the signals. Plans represent a guide to the proper completion of a project. If those plans are not followed, then the intention of the project is lost. Much of the class will be devoted to reading plans and understanding what is intended, so the work will be done properly. Time: 4 hours

Comprehensive Plan for Winter Maintenance

As everyone knows planning is important and anticipating a winter storm or storm is no different. The purpose of this class is to give administrators and supervisors the knowledge needed to develop a plan for dealing with those winter events. How to work with their own staff and outside agencies as well as the public in formulated this plan. Those will also see the importance of having a good employee work plan so there workers know what to expect when a storm hits. The benefits of outlining a work plan (when to plow when to apply chemicals, when to clean intersections and mailbox turnouts and when to clean up equipment) will be shown. Time: 4 hours

Other Options:

Attend a public works or traffic conference

Register and attend various educational sessions provided at a national conference that is transportation or public works related. Credit for only one elective course can be earned by attending a conference while completing the Road Scholar Program. The conference must be approved by the Road Scholar partnership committee to earn credit. Examples include the National Association of County Engineers (NACE) annual conference or the American Public Works Association (APWA) Congress.

Attend an external non-LTAP training class

Register and attend an external training class hosted by an agency other than LTAP. Credit for only one elective course can be earned by attending an external training class while completing the Road Scholar Program. The course must be approved by the Road Scholar partnership committee to earn credit.



Missouri LTAP training – Misc. courses

Course Descriptions

Emergency Management for Public Works Officials

This course will instruct those attending on having a basic understanding of the emergency management process, knowing the roles of the County Presiding Commissioner and the County Emergency Management Director in a disaster situation, understanding the relationship between County, State, and Federal initiatives during and following a disaster. It will also cover who to contact for additional resources and how to request them, general knowledge of what materials/activities are eligible for reimbursement, and what information/documentation to keep during and following an event.

Time: 4 hours

Paved Road Maintenance

The course will cover some of the best practices used to maintain the various types of paved roads. Various materials available for patching pot holes, cracks and low areas will be discussed. Some of the different equipment available for maintaining paved roads will be highlighted. There will be discussion of setting up a Pavement Management System to track maintenance efforts and to aid in decisions as to when to rebuild a road. Above all the safety of the worker and the traveling public will be stressed.

Time: 4 hours

Traffic Signal Maintenance

This course will cover some of the common maintenance problems that occur with signals. Traffic signals are becoming more common everyday and like everything mechanical they must be maintained. It will also cover the different types of signals and how they function. It will also look at traffic control when working on signals. Time: 4 hours

	ROAD SCHOLAR	PROGRAM						
	Registered Counties							
								" Dorticipante
District	Agency	Contact Person	Title	Address	City	Zip	Phone	# Participants Registered
1	Atchison County			602 Main Street	Tarkio	64491	660-744-4652	1
2	City of Kirksville	John Buckwalter	Director	201 S. Franklin	Kirksville	63501	660-627-1291	3
2	City of Milan	Brian Wilson	City Administrator	212 E 2nd St.	Milan	63556	660-265-4411	2
3	City of Mexico	J. Kensey Russell	Public Works Director	300 Noth Coal Street	Mexico	65265	573-581-2100	3
3	City of Moscow Mills	Donald Hopkins	Superintendent	PO Box 36	Moscow Mills	63362	636-299-2559	1
3	Pike County	LaDon Atkinson Susan	Supervisor	119 E Park	Bowling Green	63334	573-324-3902	1
4		Flandermeyer	City Treasurer	618 S. Main St.	Concordia	64020	660-463-2228	1
4	City of Gladstone City of Independence Public	Tim Herrman	Public Works Supt.	4000 NE 76th 1030 South Crysler	Gladstone	64119	816-436-5442	10
4	5	Ben Hamilton		Avenue	Independence	64016	816-325-7627	3
4	City of Kearney City of Pleasant Valley Public	Gary Lawson	Street Supt.	100 E Washington	Kearney Pleasant	64060	816-628-4142	1
4	Works Clay County Highway	Tammy Ammon	Director	6500 Royal	Valley	64068	816-781-6282	2
4	Department Johnson County Highway			16116 NE 116th Street	Kearney	64060	816-407-3000	6
4		Gary Bell	Road Supervisor	335 East North St	Warrensburg	64093	660-747-6821	1
4	Platte County Public Works	Greg Sager	Director	15955 Highway 273	Platte City	64079	816-858-2223	17
5	Boone County PW	Derin Campbell	Interium Director Public Works	5551 Hwy 63 South	Columbia	65201	573-449-8515	23
5	City of Bland	Ben Cooper	Director	PO Box 40	Bland	65014	573-821-6143	1
5	City of Fulton	Greg Hayes, P.E.	City Engineer Parks & Street	PO Box 130	Fulton	65251	573-592-3161	2
5	City of Vienna	Dan Germann	Supt.	PO Box 196	Vienna	65582	573-422-3932	1
5	Cole County Public Works	Larry Bishop	Superintendent	5055 Monticello Road	Jefferson City	65109	573-636-3614	26
5	Gravois Special Road District #8	Kory James	Foreman Supt. Of Public	27876 Hwy 5	Gravois Mills	65037	573-372-2215	3
6	City of Clayton	Gary Scheipeter	Works Public Works	10 North Bemiston	Clayton	63105	314-290-8540	8
6	City of Festus	Brent Abrams	Director Public Works	950 N 5th Street 307 Parkway Industrial	Festus	63028	636-937-6646	11
6	City of Lake St. Louis	Derek Koestel	Director	Drive	Lake St. Louis	63367	636-695-4221	1

			Leadman Street					
6	City of Potosi	Mike Thurmand	Department	121 E High Street	Potosi	63664	573-438-2767	1
6	City of Wentzville	Dave Kralemann	Supt. Of Streets	200 E Fourth Street	Wentzville	63385	636-639-2060	10
6	Clayton Parks & Recreation	Susan Renard		50 Gay Avenue	Clayton	62105	314-290-8554	1
0		James Martin			Clayton	03105	314-290-0554	1
7	Drexel Public Works	Doughty	Superintendent	137 E Main	Drexel	64742	816-419-4914	1
-			Asst.	Jasper County Courthouse,				
7	Jasper County Hwy.	Bob Burris	Superintendent		Carthage	64836	417-358-0451	2
7	Joplin Special Road District	Cary Lee	Superintendent	1016 South Picher Ave.	Joplin	64801	417-624-3489	14
_			Road					
7	Purdy Special Road	Marvin Carney	Superintendent		Purdy	65734	417-236-2060	2
8	Christian County Commission	Julia Maples	Admin. Assist.	100 W Church Street, Room 100	Ozark	65701	417-581-2112	4
0	Chinstian County Commission	Julia Maples	Authin. Assist.		UZAI K	03721	417-301-2112	4
8	City of Battlefield	Susan Diehl	City Clerk	5434 S Tower Drive	Battlefield	65619	417-883-5840	3
8	City of Bolivar	Rick Shuler		PO Box 9	Bolivar	65613	417-326-2489	2
			Street					
8	City of Nixa	Rick Warfel	Superintendent	PO Box 395	Nixa	65714	417-725-2353	8
			Public Works					
8	City of Ozark Public Works	Larry Martin	Director	205 N 1st Street	Ozark	65721	417-581-2407	1
8	City of Republic	Nick Ashbach	Street Supt.	221 N. Main Street	Republic	65631	417-732-3400	7
			Street Maint.	1111 W Chestnut		00001	117 702 0100	,
8	City of Springfield Public Works	Craig Noblitt	Supervisor	Expressway Bldg 5	Springfield	65802	417-864-1478	16
8	Webster County Road Dept.	Wayne Turner	Superintendent	101 S. Crittenden	Marshfield	65746	417-859-4544	3
			Public Grounds					
9	City of Houston	Joe Kirkman	Superviosr	601 S. Grand	Houston	65483	417-967-3444	3
9	Washington County Hwy Dept	Greg Horton	Superintendent	102 N Missouri St.	Potosi	63664	573-779-3360	1
,	washington county nwy Dept		Public Works			03004	575 777-5500	1
10	City of Jackson	Rodney Bollinger	Director	101 Court St.	Jackson	63755	573-243-2300	6
	New Madrid County Highway		Ì		1			
10	Department	Donnie Brown	Superintendent	379 Bloomfield Road	New Madrid	63869	573-748-2080	19
								232