

# Teaching Pavement Preservation

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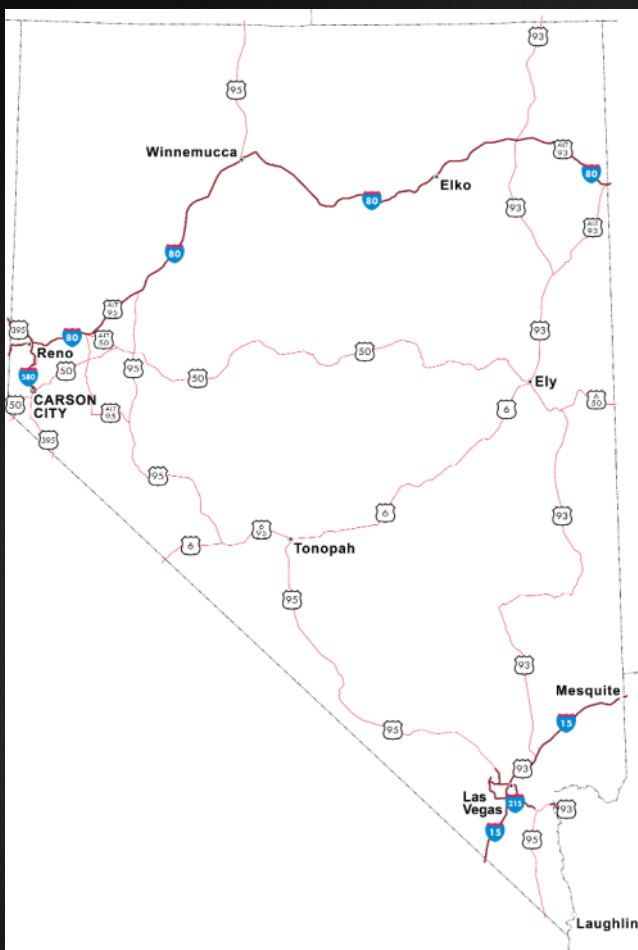
# NEVADA LTAP

- Truckee Meadows Community College, Reno
- 2.5 full time equivalent employees (FTE)
- Funded equally by FHWA and NDOT



# NEVADA DEMOGRAPHICS

- Ranked 7 in size (111,000 sq mi)
- Ranked 35 in population (2.89 million)
- Two major population centers
  - Las Vegas (2 million)
  - Reno (400,000)





# TEACHING CHALLENGES

- Geography
- Budgets
- Personnel

# TEACHING CHALLENGES

- Geography
  - Long distances between cities and towns
  - Diverse climates
    - Severe winters and summers
    - Large diurnal temperature changes
  - Remote areas have limited access to internet



# TEACHING CHALLENGES

- Budgets
  - Nevada governments still have budget woes
  - Intense pressure to maintain infrastructure
  - Training budgets are limited to non-existent

# TEACHING CHALLENGES

- Personnel
  - Employee turnover
  - Diverse backgrounds of Public Works staff
  - New employees must learn basics
  - Existing employees must learn “new stuff”



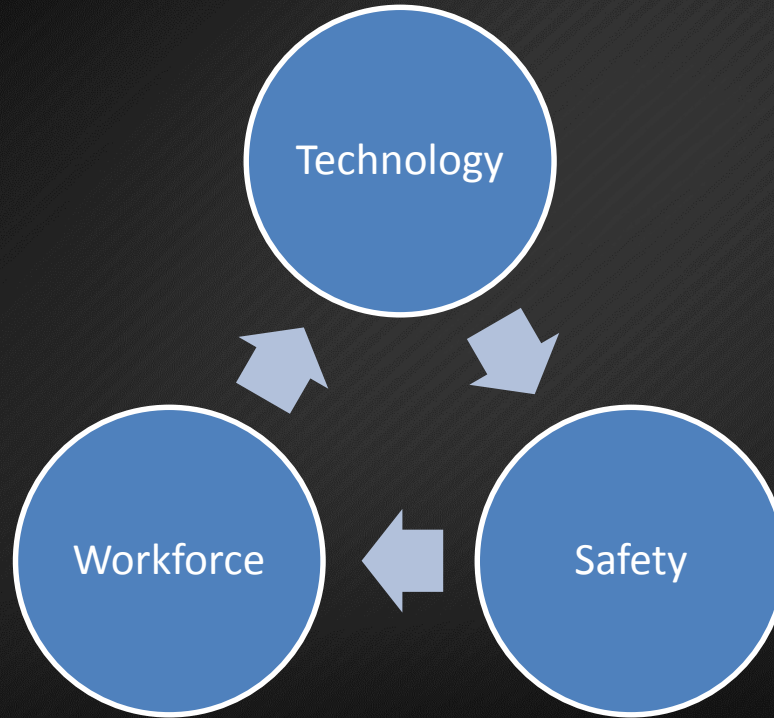
ENOUGH WITH THE WHINING!!

# NEVADA LTAP STRATEGY

- What are the tools in the tool box?
- Which tools in the tool box to use?
- What are the expected results?



# PAVEMENT PRESERVATION TRAINING



# TECHNOLOGY

- All about Paving Materials
- Asphalt Binder Technology
- Low Volume Road Pavement Treatments
- Identifying and Treating Pavement Distress
- Asphalt Paving Technology
- Seal Coats (Chips, slurry and microsurfacing)



# SAFETY

- Workzone Safety
- Workplace Safety
- Workzone Traffic Control
- Flagger Training
- Summer Survival and Winter Survival
- Roadside Hazards and Airborne Pathogens

# WORKFORCE DEVELOPMENT

- National Science Foundation Study
- Technical Skills
- Employability Skills



# WORKFORCE DEVELOPMENT

- Leadership Techniques
- Effective Communications in the Workplace
- Construction Management for Rural Projects
- Tort Liability and Risk Management
- Practical Math

# TECHNOLOGY TRANSFER

- Demonstration projects among local agencies
- Create opportunities for sharing ideas
- Asset Management tools
- State Transportation Innovation Committee (STIC)



# SUMMARY

- Pavement Preservation Training
  - Technology
  - Safety
  - Workforce
- Technology Transfer

# Summary

- Need technical and employability skills
- Lifelong learning is critical



# FRAMEWORK FOR SUCCESS

It is the:

- “right” treatment on the
- “right” road at the
- “right” time by the
- “right” people

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