The Texas Transportation Challenge

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Texas Transportation Challenge

Product demand:

– Cement – increasing 1.0M tons in 2014
– Ready Mix Concrete increasing 4.5M yd$^3$
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• If concrete vol. are increasing 4.5M yd$^3$ then:
  – Fly Ash increasing 200K tons
  – Aggregates increasing 7M tons
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Limitations to trucking efficiencies:

• Hours of service
• Weight limits
• Trucking availability
• QUALIFIED DRIVER AVAILABILITY
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Cement – 1M tons = 38K loads
Fly Ash – 200K tons = 7.7K loads
Agg. – 7M tons = 260K loads
Total = 305K

Plus 450K additional loads of ready mix
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Perspective:

• 6,000+ ready mix trucks in Texas.

• TMTA represents 200,000 carriers.
  – So, we are about 3% of the motor vehicle carriers
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• What is the solution?
  – Stay as We Are (SAWA)
    • Consequences of doing nothing?
      – Increase labor pool?
      – Increase vehicle weight limits?
      – Increase transportation system?