

Pavement Management

Justifying the Need for Pavement Improvement Dollars

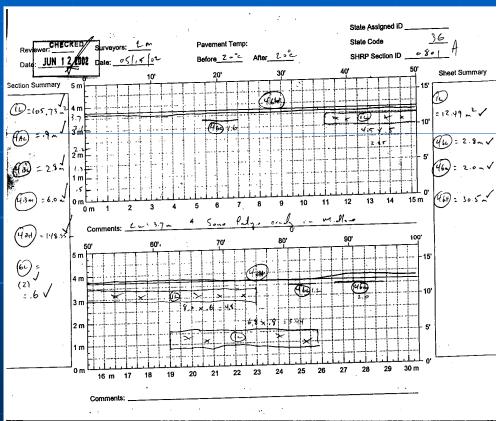
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Pavement Distress Manual Data Collection







Automated
Data Collection Vehicles



Surface Distress Data Collection





Transverse Profile measurement



Depth of Rutting measurement

Ride Quality





Non-Destructive Structural Evaluation



Falling Weight Deflectometer (FWD)

Digital Image Collection



Digital Images

Digital Image Stream (@ 15 ft spacings)





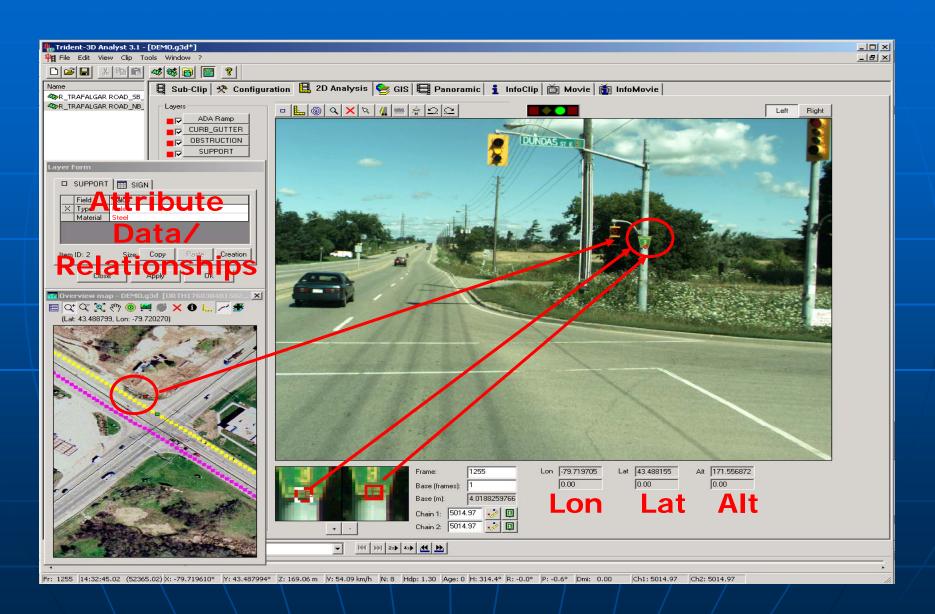




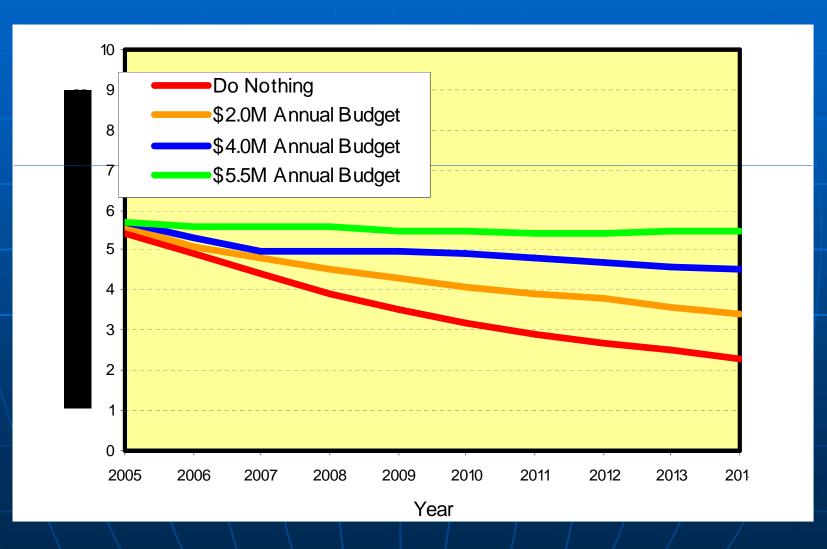
GPS\Positions (for each image)



Asset Extraction – Sign Inventory



Pavement Network Performance Scenarios





1st International Conference on Pavement Preservation April 13, 2010

Communicating Budget Funding Solutions with Top Level and Elected Officials to Maintain Pavement Preservation Programs

Julie Christensen, P.E. Tensar International Mike Skinner, P.E. Stantec Consulting, Inc.



Pavement Funding Challenges

City & County of Denver, Colorado

- Maintain 1,900 centerline miles
- CCOD needed \$15m to maintain existing system
- Allocated 2009 Capital Budget \$12.8m (-15%)



Pavement Funding Challenges

City of Ft. Collins, Colorado

- Maintain 470 centerline miles
- Overlay & Sealcoat program needs to be increased from \$9m to \$14m annually to maintain 2009 conditions
- Allocated 2009 Funding \$7m (-23%)
- Allocated 2010 Funding \$5m (-45%)



Road Map/Talking Points for Communicating Recommendations of the Importance of Pavement Preservation Funding

- -Top Level Managers
- -Elected Officials
- -The Public