



Illinois Local Roads Update



Illinois Bituminous Paving Conference
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Topics



 Cold In-Place/ Full Depth Recycling

 Pavement Preservation

 Crude Oil Price Volatility Impacts



Cold In-Place Recycling (CIR) & Full Depth Recycling (FDR)



CIR/FDR Concept

- 🚗 Use Existing In-place Material
- 🚗 Engineered Emulsion or Foamed Asphalt
- 🚗 Level and Compact
- 🚗 New Base for Surface





Experimental Feature/ Research



 Allowed through Experimental Feature
Program

 Successful Local Projects

 ICT Research Project



ICT Research



- 🚗 Document Best Demonstrated Available Technology (BDAT)
- 🚗 Project Evaluation
- 🚗 Recommend Design/Specification Parameters



Next Steps



- 🚗 Develop Statewide Policy and Specifications
- 🚗 Continue to Monitor Other Research
- 🚗 Approved for All Funding Sources



Pavement Preservation



Draft/Pilot Policy






- 🚗 Preservation Details
- 🚗 Preservation Program Approval
- 🚗 Preservation Plan Development
- 🚗 Preservation Plan Update





Details



-  Definitions/Introduction
-  Process
-  Pavement Performance
-  Condition Rating
-  Treatment Types/Selection



Approval



-  Submit to District
-  District Approves
-  District Forwards to Central
-  Central Approves



Plan Development






- 🚗 10 Year Program
- 🚗 2 Year of Detailed Projects and Funding
- 🚗 Condition Rating Required
- 🚗 Submitted to District for Central Office Approval





Plan Update





-  Annual Update of 2-Year Program
-  Bi-annual Update of 10-Year Program
-  October 1 Deadline for Project Estimates



Next Steps



-  Pilot Counties Use Developed Documentation
-  Discuss Program with Districts
-  Issue Official Policy in late 2009




Crude Oil Price Volatility Impacts



Impacts of Crude Oil Volatility

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 Less Miles of Asphalt

 Bituminous Material
Cost Adjustment

 Fuel Cost Adjustment





Less Miles of Asphalt



 Asphalt Prices versus MFT Collection

 Other Cost Increases

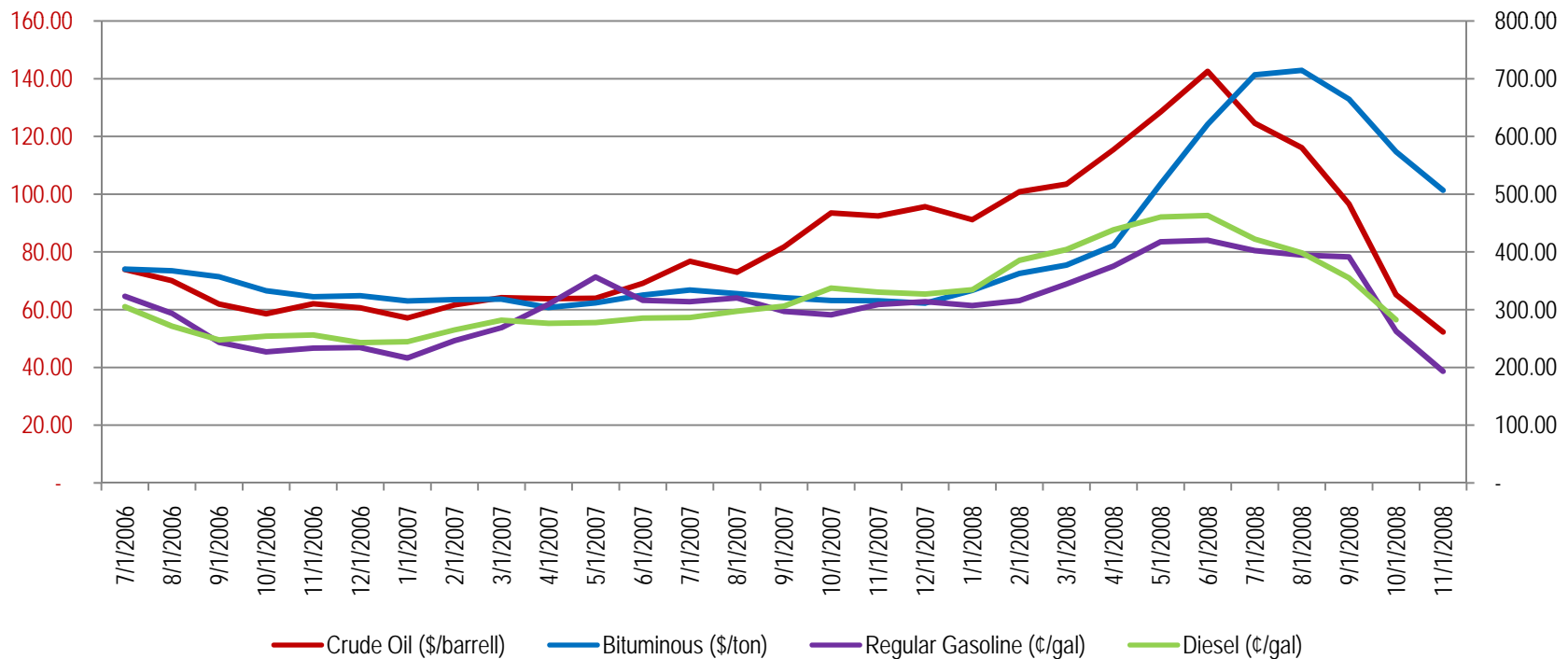
 Deferring Maintenance

 Aggregate Roads



Historical Price Chart

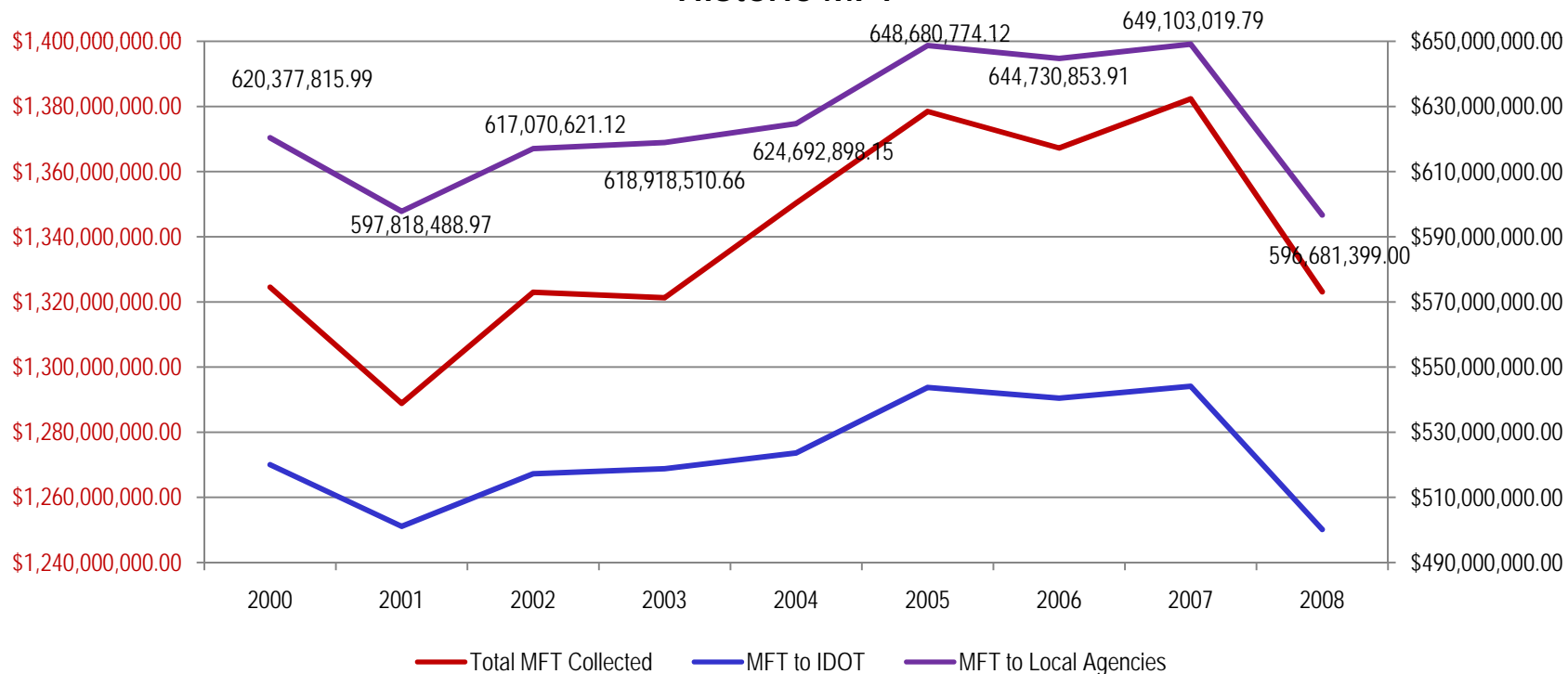
Cost of Crude Oil Products





MFT Distribution

Historic MFT





Other Cost Increases



-  Salt
-  Bridges/Structures
-  Government
Budgets





Bituminous Material Cost Adjustment

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- 🚗 BDE 80173 Effective November 2, 2006
 - 🚗 For HMA, Surface Treatments, Pavement Preservation Surface Treatments
 - 🚗 $CA = (BPI_P - BPI_L) \times (\%AC_V/100) \times Q$
 - 🚗 5% Difference Between BPI_P and BPI_L
 - 🚗 Contractor Option



Fuel Cost Adjustment

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- 🚗 BDE 802xx Anticipated Effective April 1, 2009
 - 🚗 For Earthwork, Aggregate, HMA, PCC, and Structure items
 - 🚗 $CA = (FPI_P - FPI_L) \times (FUF/100) \times Q$
 - 🚗 5% Difference Between FPI_P and FPI_L
 - 🚗 Contractor Option



Questions?

