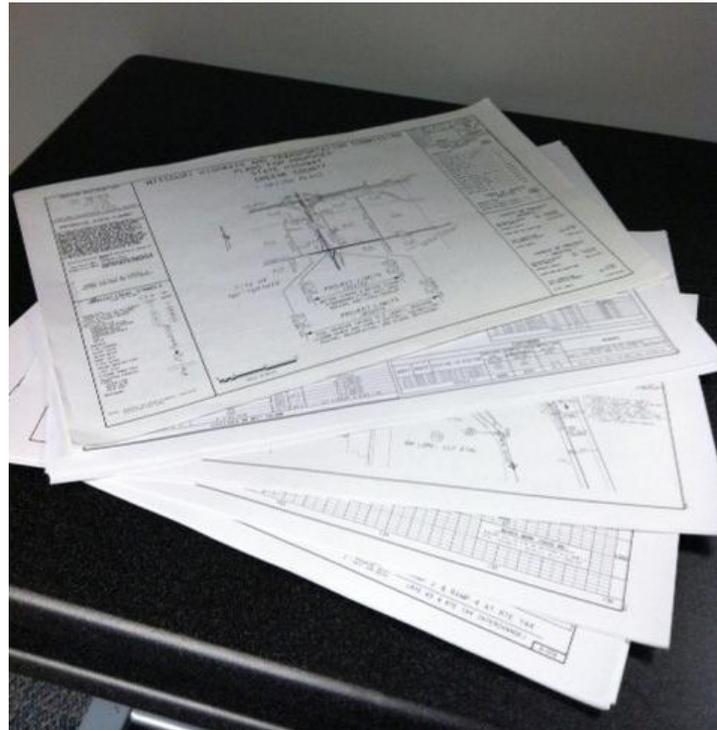


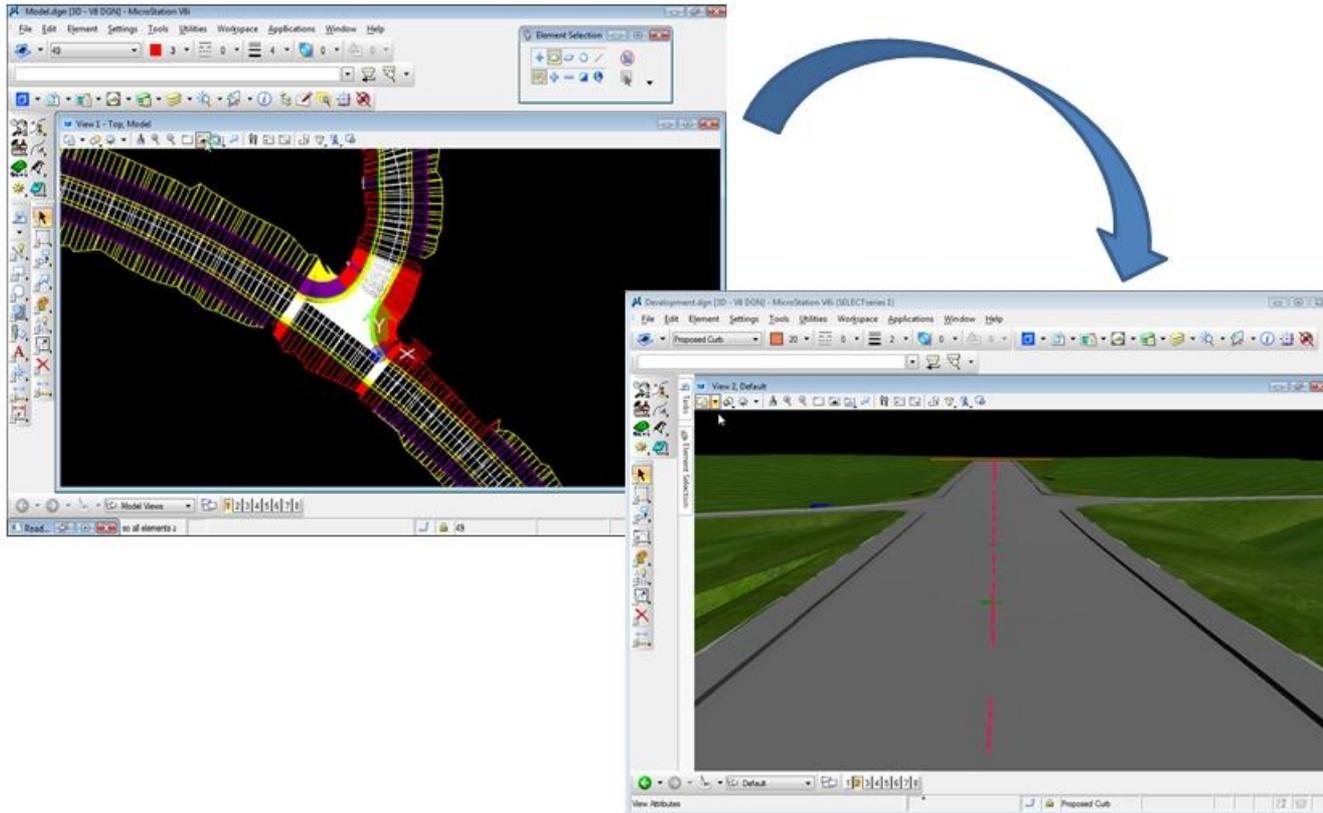
3D Roadway Design –

This process was implemented last year. This innovation improves our highway design process from traditional 2-dimensional plan sheet based design to a rich 3-dimensional virtual design in which the core team can represent the project improvement in the way it is intended to be built. Design teams can identify potential issues when they “see” the virtual project completed. It gives MoDOT yet another tool for collaboration between internal staff, partners and the public. In addition, 3D design models are necessary for various construction emerging innovations, such as machine control grading and paving.

Highway Design Based on a Traditional 2-Dimensional Plans



Highway Design Based on a 3-Dimensional Virtual Model



Automated Machine Guided Construction Methods Using 3D Design Models & GPS/Laser Technology



Electronic Signing & Sealing of Contract Plans

MoDOT was the first DOT to require all project plans to be electronically signed and sealed when submitted for the letting. This process eliminated the printing of full size plan sheets for the bidders, thus eliminating the cost of maintaining full size plotters and staff for printing paper plans. In addition, this process eliminated the need for shipping the paper plans via FedEx overnight to all potential bidders, thus eliminating the MoDOT's cost of the greatly subsidized bidders' shipping expenses. Today a few other DOT's electronic signing & sealing is based on the original MoDOT process.

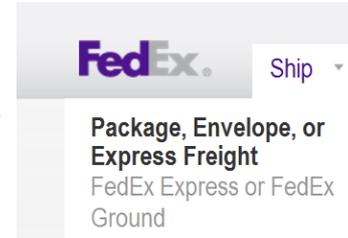
Print Plans



Stamp plans



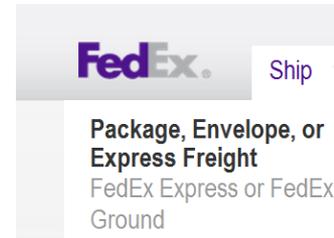
District Overnights Plans to Central Office



Central Office Copy Plans

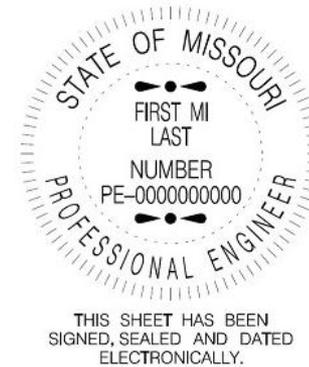
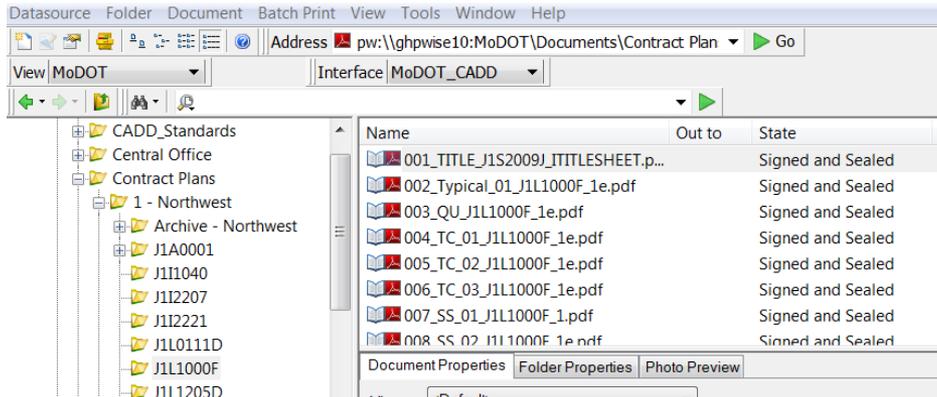


Central Office Overnights to Bidders

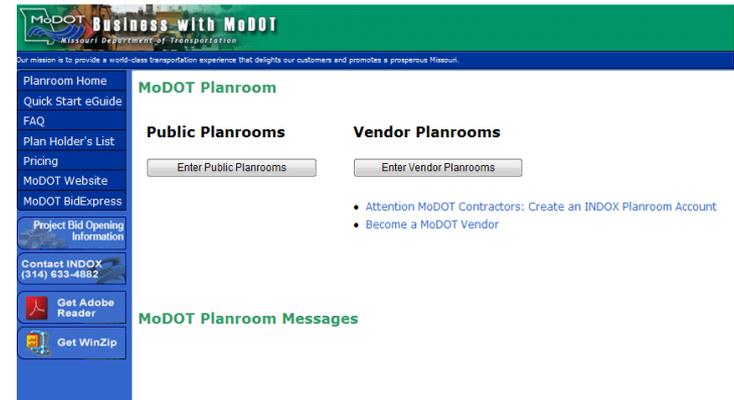
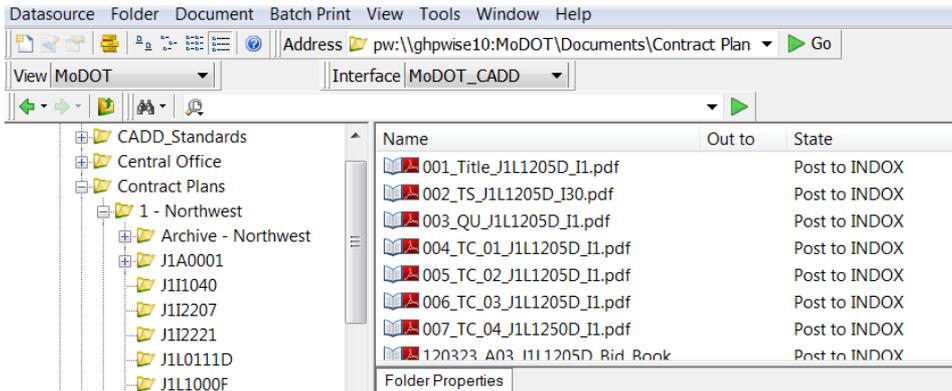


District Electronically Signs & Seal for Central Office Access

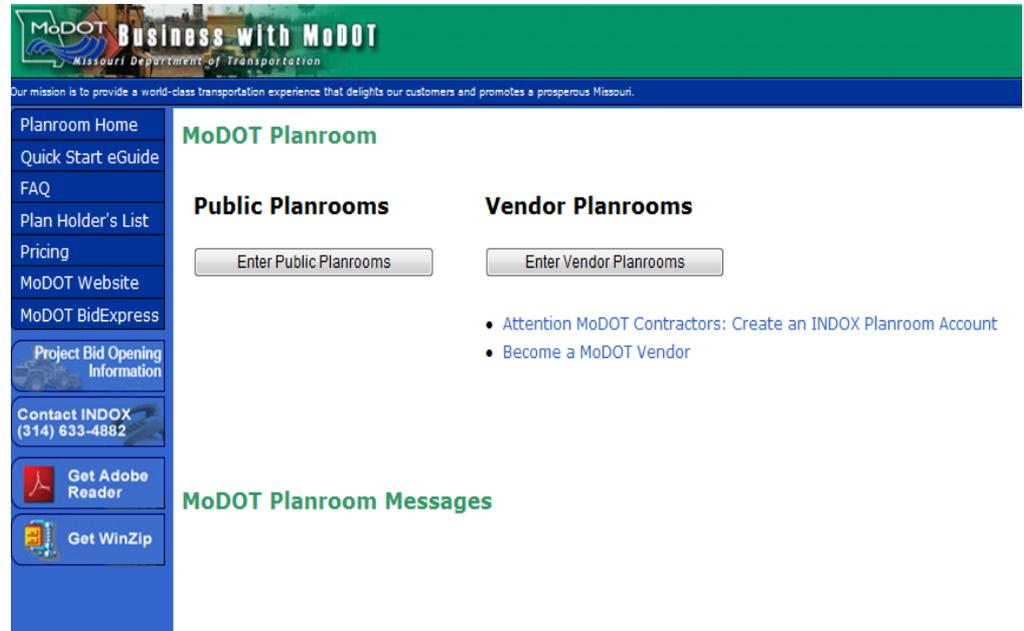
No Shipping - No printing



Central Office Posts to INDOX for Bidders' Access Bidder Can Order Prints for a Fee or Download to View at No Cost



Central Office Posts Contract Plans to INDOX for Bidders' Access



The screenshot displays the MoDOT Business with MoDOT website interface. At the top, a green banner features the MoDOT logo and the text "Business with MoDOT" and "Missouri Department of Transportation". Below the banner, a blue navigation bar contains the text "Our mission is to provide a world-class transportation experience that delights our customers and promotes a prosperous Missouri."

On the left side, a vertical blue navigation menu lists the following items: Planroom Home, Quick Start eGuide, FAQ, Plan Holder's List, Pricing, MoDOT Website, MoDOT BidExpress, Project Bid Opening Information, Contact INDOX (314) 633-4882, Get Adobe Reader, and Get WinZip.

The main content area is titled "MoDOT Planroom" in green. It is divided into two columns: "Public Planrooms" and "Vendor Planrooms". Under "Public Planrooms", there is a button labeled "Enter Public Planrooms". Under "Vendor Planrooms", there is a button labeled "Enter Vendor Planrooms". Below the "Vendor Planrooms" button, there are two bullet points: "Attention MoDOT Contractors: Create an INDOX Planroom Account" and "Become a MoDOT Vendor".

At the bottom of the main content area, there is a section titled "MoDOT Planroom Messages" in green.