

## **Session 67**

### **Elwin Broome**

FL. Dept. of Transportation

### ***Microstation V8 Review***

#### **Topic Description**

During this session a panel consisting of Esther Barwick, Bruce Dana, and Elwin Broome, all from FDOT's Engineering/CADD Systems Office, will present and discuss some of the critical issues faced with the migration of projects from MicroStation version 7 to MicroStation version 8. Discussion of solutions and workarounds for specific production topics and questions that may have been previously submitted for consideration by the panel will occur. As time permits, the panel will entertain questions from the audience.

#### **Speaker Biography**

Elwin Broome is a 35 year veteran of the Florida DOT. He grew up in Marianna, Florida and is a 1971 Graduate of Chipola Jr. College, Marianna, FL. He became a Registered Florida Professional Engineer in August of 1987. Having served in various capacities since joining the Department in December of 1971, including D3 R/W Engineering, D3 Final Estimates, D3 Design, CO Preliminary Estimates, and CO Topographics, Elwin joined the CO Engineering/CADD Systems Office in December of 1994 and has served as office manager since April of 1997. Elwin was recipient of the District 3 Sustained Superior Achievement Award in 1990, the Secretary's Award for Sustained Superior Achievement in 1990, and was DOT's honoree in 1990 during Public Service Recognition Week. Elwin's interests include his granddaughter, music, gardening, fishing, and travel. Elwin's last official day with the Department will be December 31, 2006, as he completes five years of the Deferred Retirement Option Program (DROP). Elwin's plans for the future will be pursuit of his interests.

## **Session 67**

**Bruce Dana**

FL. Dept. of Transportation

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#### **Speaker Biography**

Bruce Dana, PE has been with FDOT for more than 19 years. He is currently responsible for coordination of CADD support and software development for the FDOT Engineering / CADD Systems Office in Tallahassee.

## **Session 67**

### **Esther Barwick**

FL. Dept. of Transportation

### ***Microstation V8 Review***

#### **Topic Description**

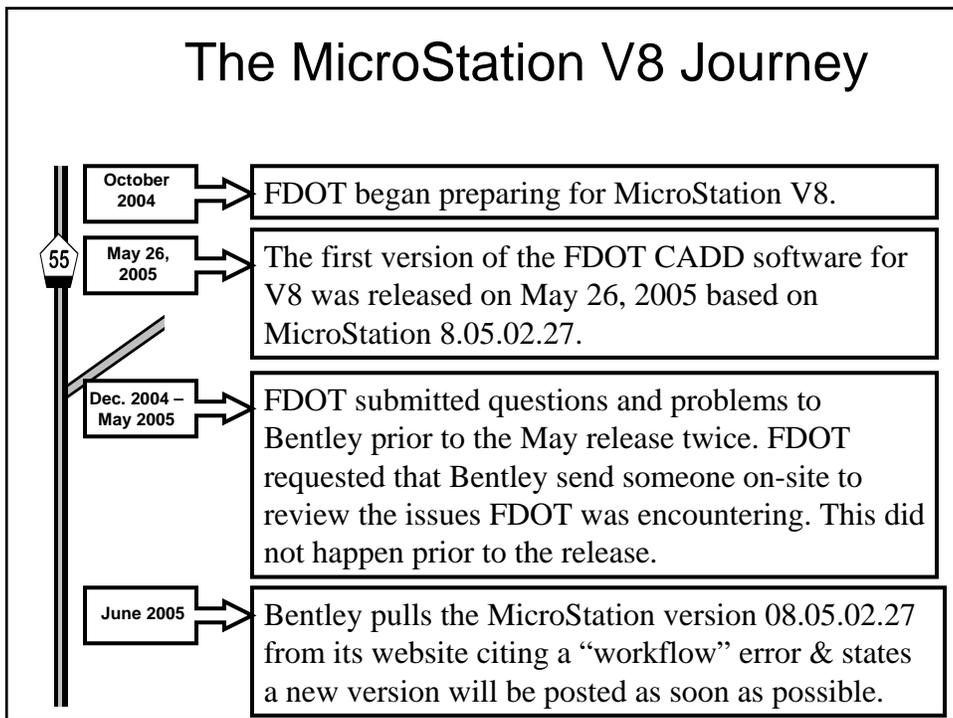
During this session a panel consisting of Esther Barwick, Bruce Dana, and Elwin Broome, all from FDOT's Engineering/CADD Systems Office, will present and discuss some of the critical issues faced with the migration of projects from MicroStation version 7 to MicroStation version 8. Discussion of solutions and workarounds for specific production topics and questions that may have been previously submitted for consideration by the panel will occur. As time permits, the panel will entertain questions from the audience.

#### **Speaker Biography**

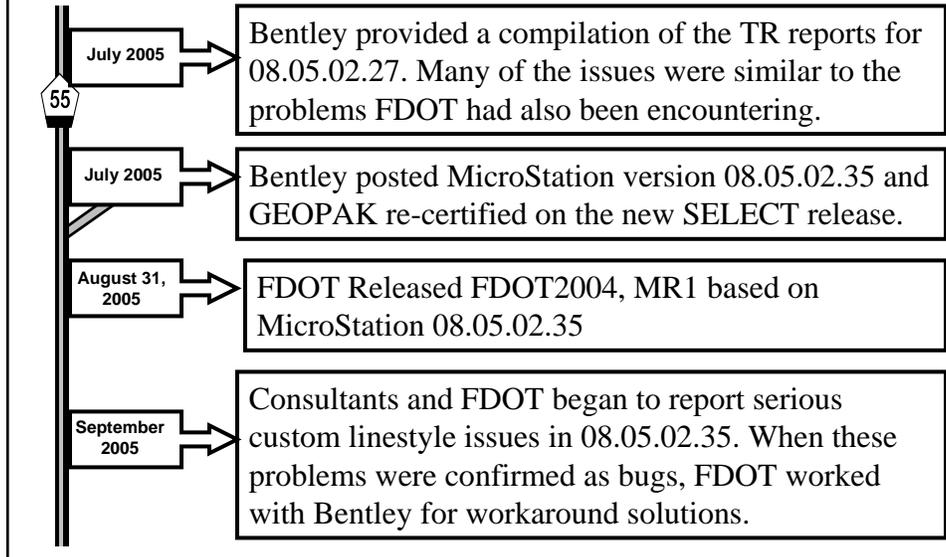
Esther has worked for FDOT for 22 years. The first eleven years in District 1 doing Traffic plans and Roadway Design plans. The last eleven years she has been in the Engineering/CADD Systems Office in Tallahassee doing CADD support and training.



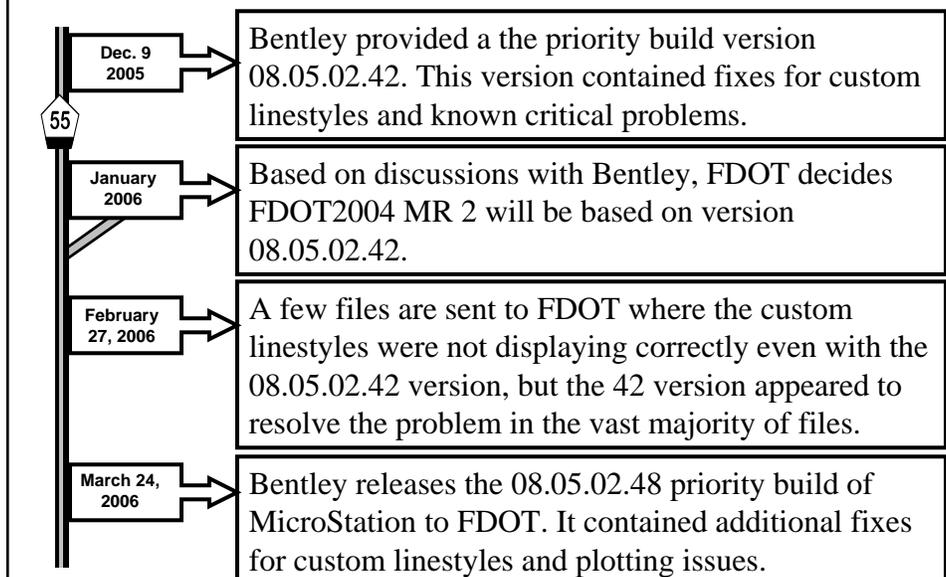
## The MicroStation V8 Journey



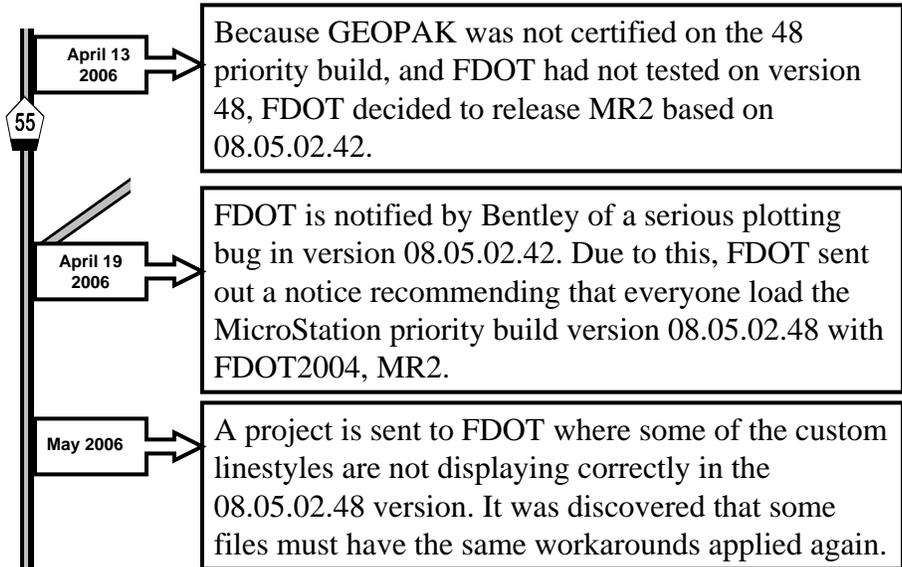
## The MicroStation V8 Journey



## The MicroStation V8 Journey



## The MicroStation V8 Journey



## Issues in MicroStation V8

Issues in MicroStation V8

Issues in MicroStation V8

## Issues in MicroStation V8

## Current Issues in GEOPAK2004

Issues with FDOT2004

Issues with FDOT2004

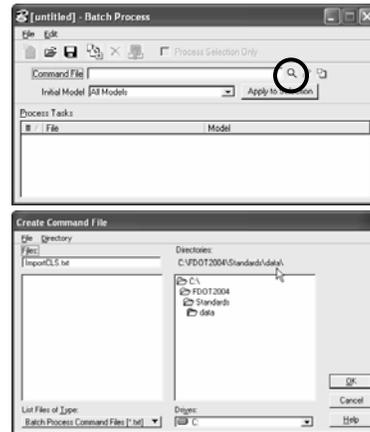
## Status of Issues

Solution/Workaround:  
MicroStation Opening Slowly

Solution/Workaround:  
Corrupt Design Files

Solution/Workaround:  
Linestyles Not Displaying Correctly

# Batch Process Utility

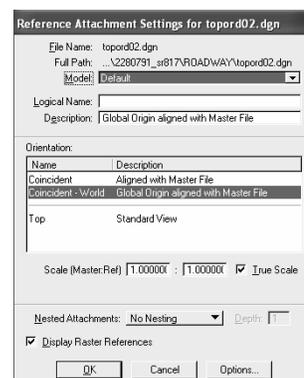


## Solution/Workaround: Different Global Origins



## Solution/Workaround: QuikChek

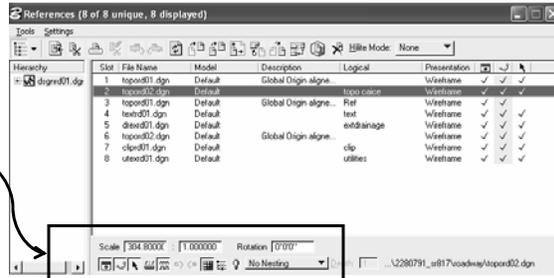
## Solution/Workaround: Reference Attachments



**Note: Coincident World & True Scale must be used when attaching a reference with the old working units, resolution & GO to a new V8 file.**

## Solution/Workaround: Reference Attachment Settings

Note: Check to see if the scale is set 1.000002 : 1.000000

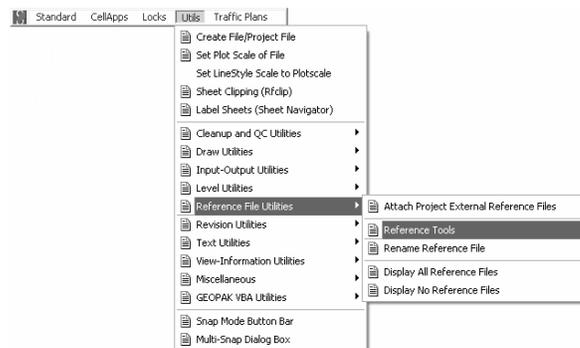


## Solution/Workaround: Reference Keyins

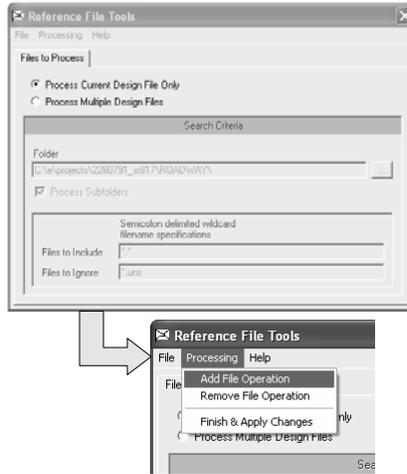
## Solution/Workaround: Finding Reference Attachments

**NOTE: There should only be one “\_meta\_info” directory per project and it should be located in the root of the project.**

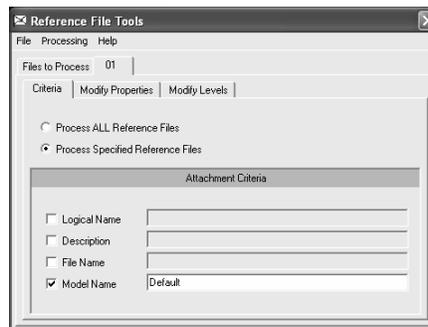
## Solution/Workaround: Reference Levels Turned Off



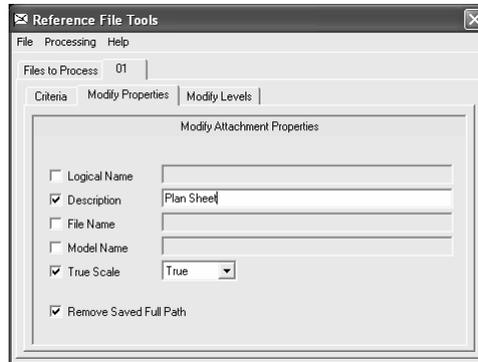
# Reference Tools (1)



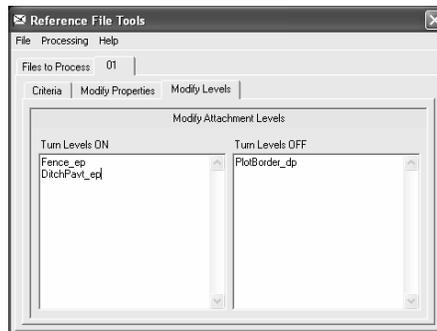
# Reference Tools (2)



## Reference Tools (3)

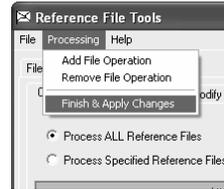


## Reference Tools (4)

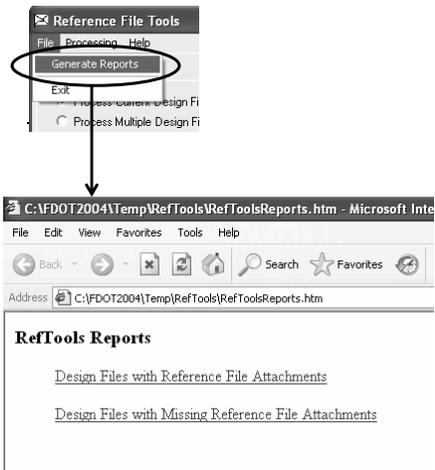


NOTE: The key-word **ALL** can be used to turn on or off all of the reference levels

## Reference Tools (5)



## Reference Tools (6)



# Reference Tools (7)

C:\Program Files\Autodesk\InRoads\Tools\Reference\Reference of (hs\_001) - Microsoft Internet Explorer

File Edit View Favorites Tools Help

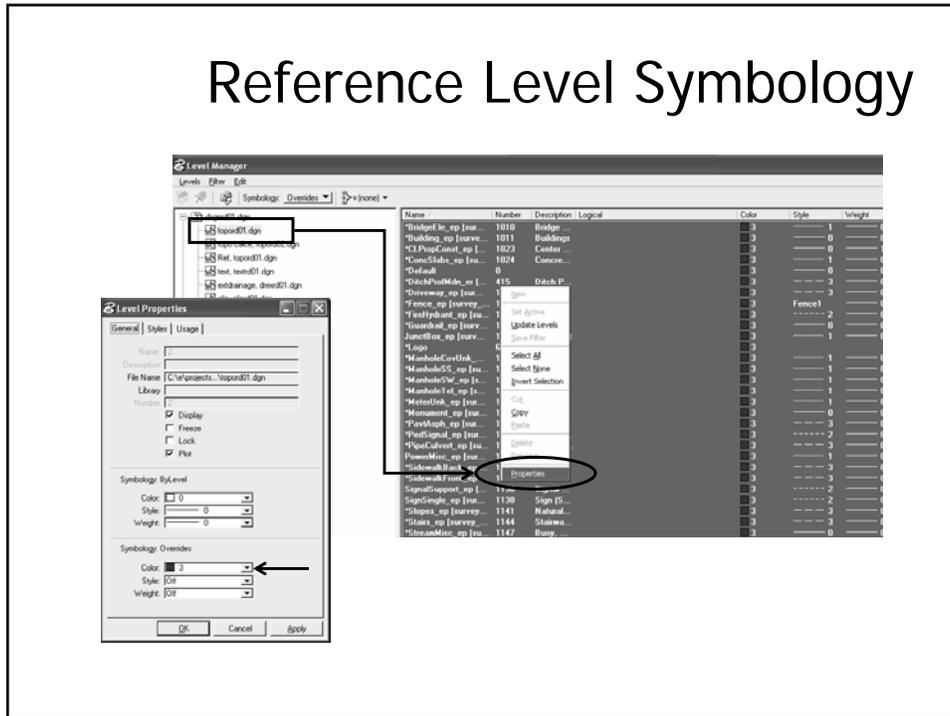
Address: C:\Program Files\Autodesk\InRoads\Tools\Reference\Reference of (hs\_001)

Reference Tools  
Report Design Files with Reference File Attachments

ID	Model	Model Name	Origin	Description	Scale	Units	Parent Ref Path	Source File Ref Path
1	Found	001	hs_001.dgn	Model Origin aligned with Master File	Default	3,000000	C:\Program Files\Autodesk\InRoads\Tools\Reference\Reference of (hs_001)	C:\Program Files\Autodesk\InRoads\Tools\Reference\Reference of (hs_001)
2	Found	002	hs_002.dgn	hs_002	Default	304,000000	C:\Program Files\Autodesk\InRoads\Tools\Reference\Reference of (hs_002)	C:\Program Files\Autodesk\InRoads\Tools\Reference\Reference of (hs_002)
3	Found	003	hs_003.dgn	hs_003	Default	3,000000	C:\Program Files\Autodesk\InRoads\Tools\Reference\Reference of (hs_003)	C:\Program Files\Autodesk\InRoads\Tools\Reference\Reference of (hs_003)
4	Found	004	hs_004.dgn	hs_004	Default	304,000000	C:\Program Files\Autodesk\InRoads\Tools\Reference\Reference of (hs_004)	C:\Program Files\Autodesk\InRoads\Tools\Reference\Reference of (hs_004)
5	Found	005	hs_005.dgn	hs_005	Default	304,000000	C:\Program Files\Autodesk\InRoads\Tools\Reference\Reference of (hs_005)	C:\Program Files\Autodesk\InRoads\Tools\Reference\Reference of (hs_005)
6	Found	006	hs_006.dgn	hs_006	Default	304,000000	C:\Program Files\Autodesk\InRoads\Tools\Reference\Reference of (hs_006)	C:\Program Files\Autodesk\InRoads\Tools\Reference\Reference of (hs_006)
7	Found	007	hs_007.dgn	hs_007	Default	304,000000	C:\Program Files\Autodesk\InRoads\Tools\Reference\Reference of (hs_007)	C:\Program Files\Autodesk\InRoads\Tools\Reference\Reference of (hs_007)
8	Found	008	hs_008.dgn	hs_008	Default	304,000000	C:\Program Files\Autodesk\InRoads\Tools\Reference\Reference of (hs_008)	C:\Program Files\Autodesk\InRoads\Tools\Reference\Reference of (hs_008)

# Solution/Workaround: Reference Level Symbology

# Reference Level Symbology



## Solution/Workaround: Large Cross Section Files

## Solutions/Workarounds



## What's Next?

Questions?