

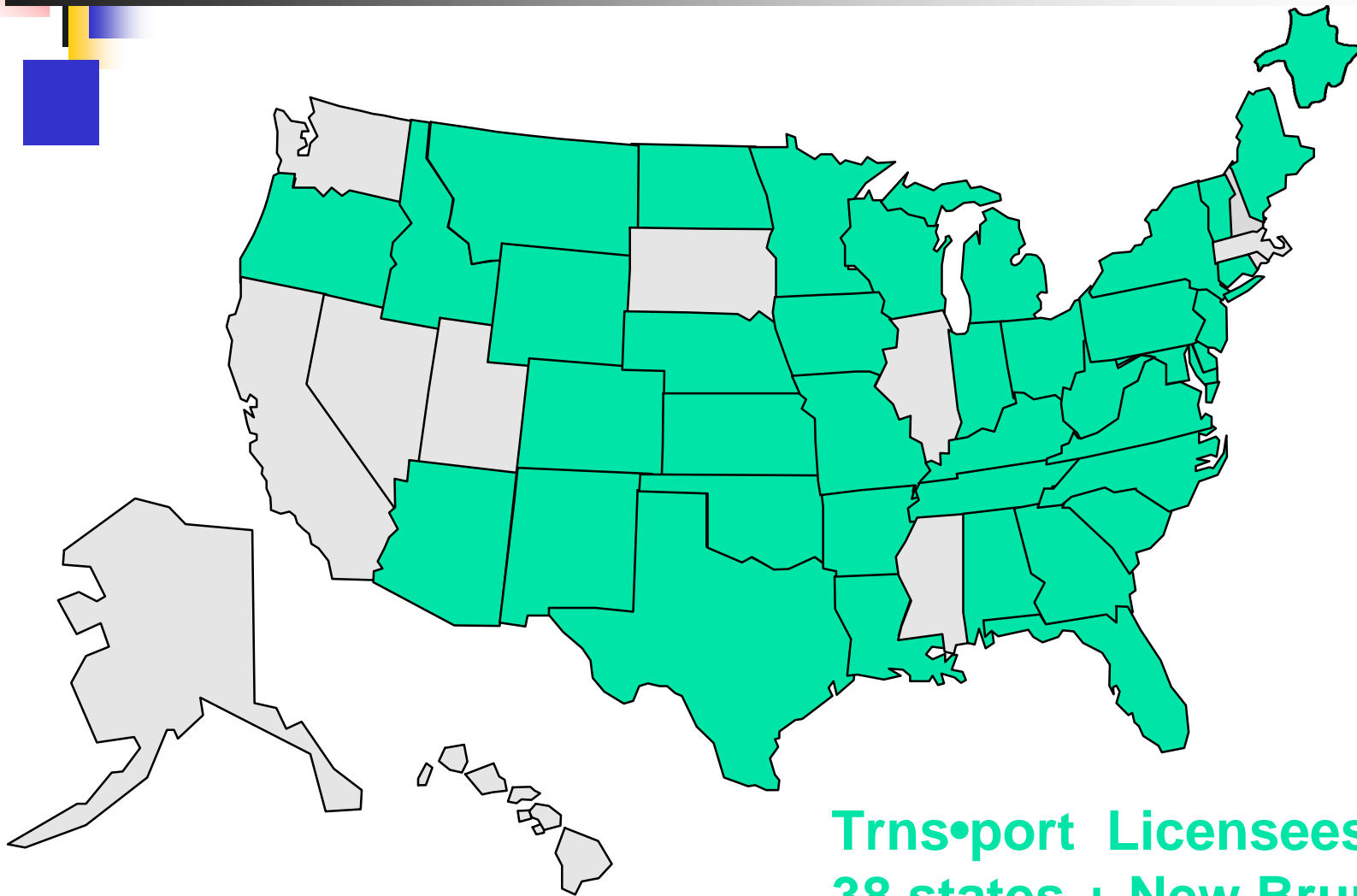
# Trns•port Client/Server Update

Presented at the TEA Conference  
Santa Fe, New Mexico  
by Jeff Lee Derrer, P.E., CPM (NCDOT)  
Chair, Trns•port Task Force

October 24, 2000



# Trns•port Licensees



**Trns•port Licensees**  
**38 states + New Brunswick**

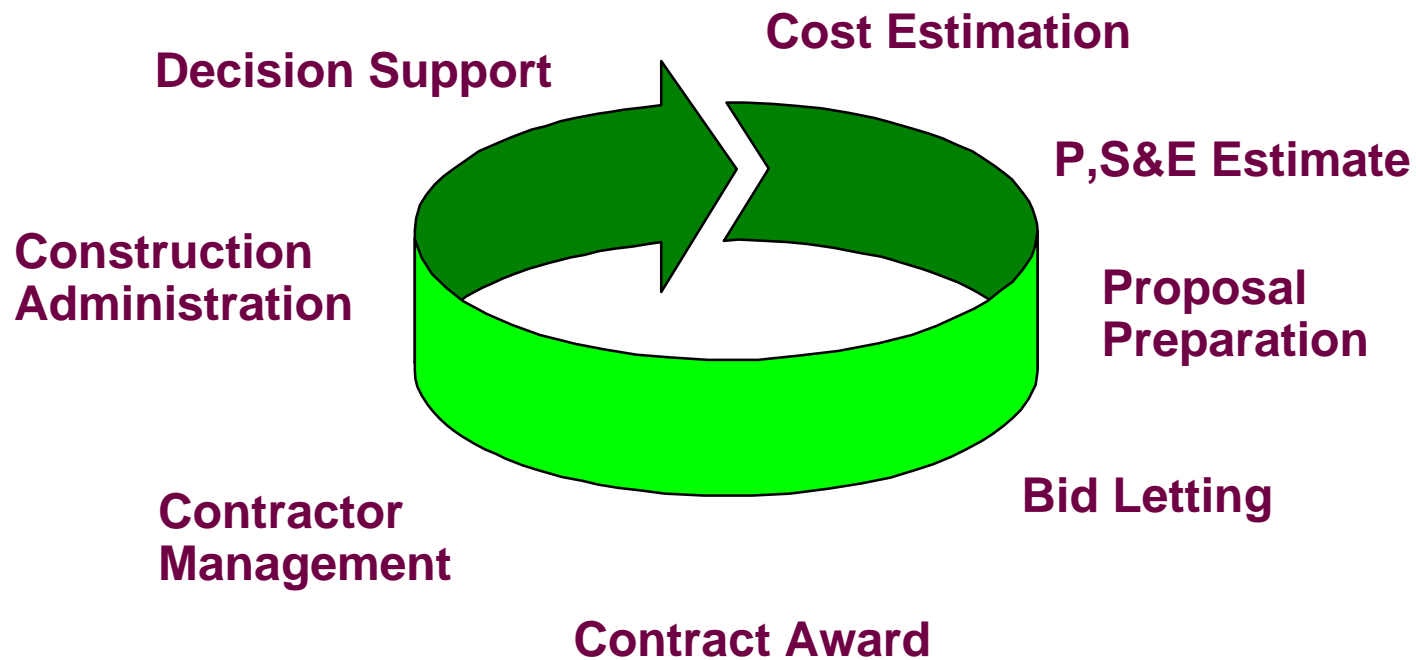


# Trns•port Mission

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*... to serve the operational and executive management information needs of the transportation agency associated with the **development and management of construction projects.***

# Trns•port's Integrated Solution



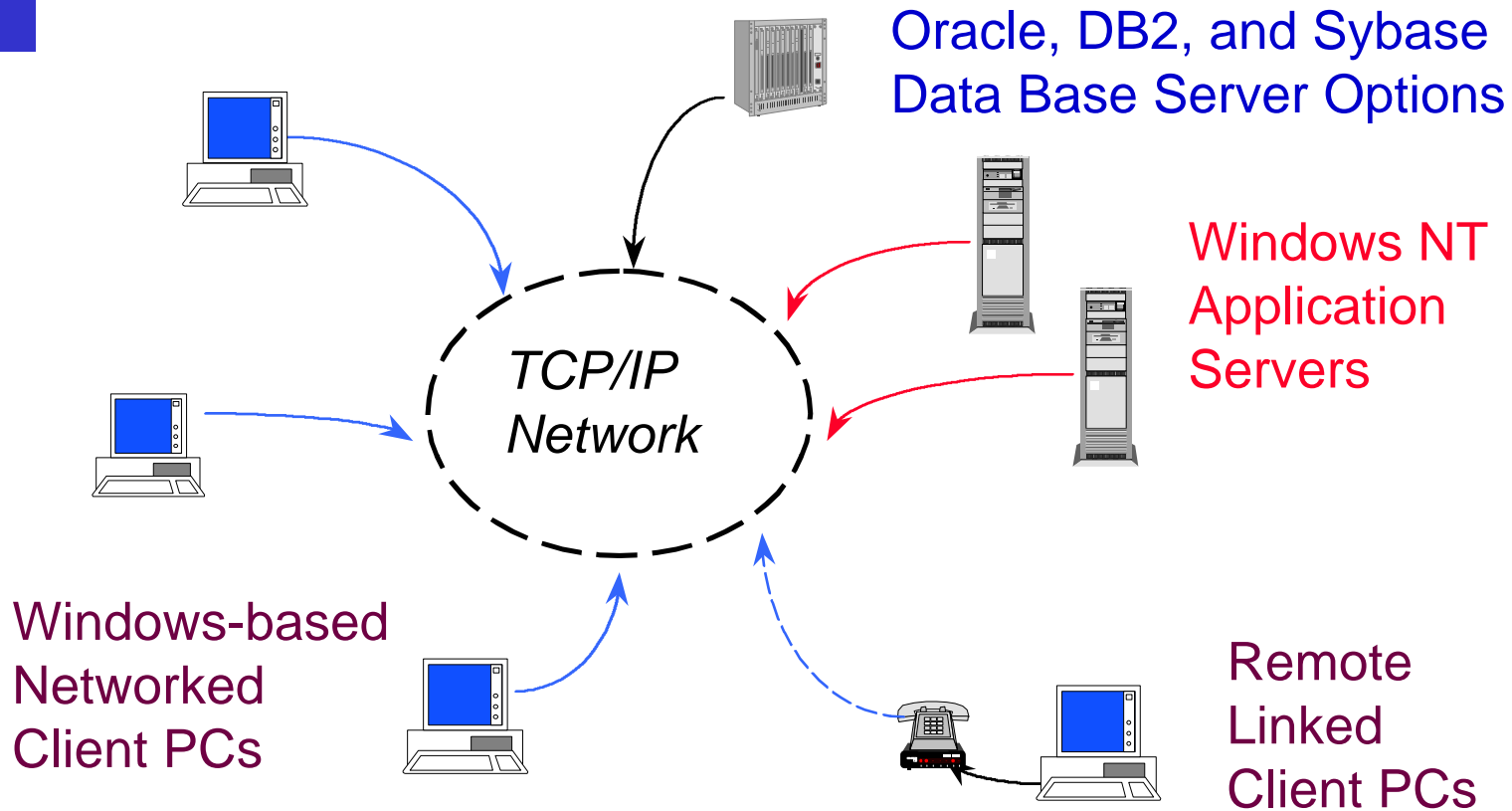


# Trns•port Software

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- Cost Estimation ⇒ CES and Estimator
- Project and Proposal Development ⇒ PES
- Bid Letting/Award Management ⇒ LAS and Expedite
- Construction Mgt. ⇒ SiteManager, CAS and FieldManager
- Data Analysis & Decision Support ⇒ BAMS/DSS

# Client/Server Environment

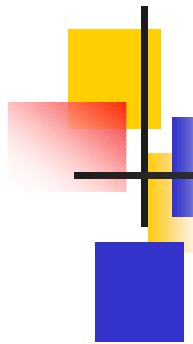




# C/S Project Accomplishments

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- Rewritten batch code for PES, LAS, CAS, and CES
  - Documented business rules
  - Improved batch performance
  - Streamlined processing
- GUI enhancements in PES, LAS, CAS and BAMS/DSS
- Enhanced RTF can render output in HTML
- Generalized Importer validates all loaded data



# Trns·port C/S Certified Platforms

## Application Server OS

Intel Windows NT

Intel Windows NT

Intel Windows NT

Intel Windows NT

Intel Windows NT

Intel Windows NT

Intel Windows NT\*

## DBMS

Oracle8

Oracle8

Oracle8

Oracle8

Sybase

DB2

SAS\*

## Database Server OS

Alpha Windows NT

Alpha Open VMS

SUN Solaris

Intel Windows NT

Alpha Unix

IBM MVS

Intel Windows NT\*

\* for BAMS/DSS only



# C/S Project Accomplishments

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- Seven platforms certified by AASHTO
  - 4 Oracle, Sybase, DB2, and SAS (BAMS/DSS)
- ODBC-based access to multiple databases supported by all modules
- Multi-tier architecture forms basis for future enhancements and migration to web-based approach
  - SiteManager is being migrated to the same architecture
  - Open architecture supports web-servers for thin client access (Data Mart, Intranet)



# Other Trns•port Highlights

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- Client/Server BAMS/DSS database was expanded to include all Trns•port application data, including SiteManager
- Expedite, rewritten from scratch for Windows, now supports all required contractor data entry (including DBEs) and digital signatures for electronic bid submission.



# Planned Major Enhancements

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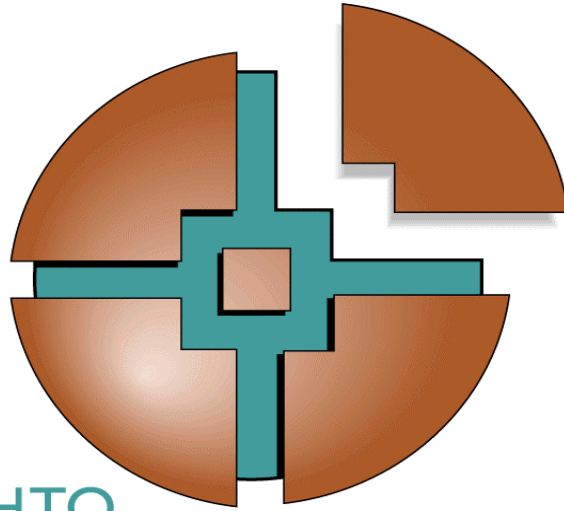
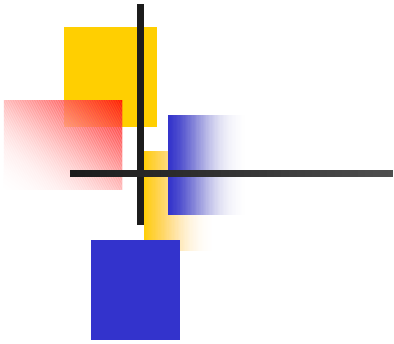
- Intranet/Internet module
  - to provide web browser access for analysis and data query capabilities
- SiteManager Handheld data collector
- Materials Management module
- BAMS/DSS rewrite
- Streamlined data flow to FHWA



# Trns•port Benefits

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- ***Off-the-Shelf software*** with customizable features
- ***Cost Sharing*** through joint development
- ***User led and managed*** by Trns•port Task Force
- ***Active Users Group*** through TUG and List Servers
- ***Third-Party support*** is emerging
- ***MSE funding*** provides mechanism to keep current with technology and functional requirements
- ***An integrated solution*** for construction project development and management



AASHTO  
**Trns·port**®

Transportation Software

Management Solution