

# AASHTO Trns•port® CAS®



## Construction Administration System

The volume of information that must be recorded during a construction project and the reports to be generated are staggering. From award to final payment, the Trns•port Construction Administration System (CAS®) manages contract information and contractor payments for transportation construction projects. CAS offers a complete set of management information reports detailing construction progress, and addresses the construction office's needs regarding:

- Contractor payments (progress or final)
- Subcontract approval and tracking
- Modifications to original contract specifications (change orders and supplemental agreements)
- Track Disadvantaged Business Enterprise (DBE) contractor utilization and contract compliance with goals

Contractor payments automatically adjust for mobilization payments, retainage, liquidated damages and material allowances. Contract modifications, such as time extensions and supplemental work, can be entered and taken into account in the payments processing and status reporting. CAS also accepts summary input from a daily field record keeping system.

As a client/server module, CAS is integrated with the other Trns•port components, providing efficient data transfers. CAS will evaluate subcontract data to determine whether awarding the subcontract would exceed user specified contract and/or vendor capacity limits. The subcontract data is passed to BAMS/DSS to be used in market share analyses as well as vendor activity reports. When DBE payments are entered, CAS will track them to determine whether contract goals are being achieved.

The reports produced by CAS provide critical information to transportation construction project managers, including the following:

- Contract Status Reports - displays the current status of contracts including information such as contractor information, unsatisfactory status, district or county information.
- Active Contract Reports - produces three reports: Active Contracts by County, by Area Office and by Contractor. These reports list all contracts that have uncompleted work.
- Vouchers (Pay Estimates) - each voucher consists of a summary sheet and a detailed listing of items for the voucher. The summary sheet contains contract, project, and payment information and a signature block. The detailed listing of items is printed by project line number within category, and it includes item adjustments that have been made to the project.
- Construction Report - consists of contract project information and a detailed listing of the project's items; includes information such as the contractor's name and address, item adjustments, material allowance outstanding against the item, substandard item percentage amounts and more.



- Subcontractor Activity - lists contracts within subcontractors and details all contracts that have uncompleted work, either by subcontractor or by contract.
- DBE Payment Listing - lists payments or earnings to date to DBEs, printed by DBE vendor or by contract.

## System Specifications

- Trns•port CAS is available in a three-tier client/server architecture over a network supporting the TCP/IP protocol. The client software will run on a Pentium platform supporting Windows 9x, or Windows NT.
  - The application server tier requires a Pentium level PC running the Windows NT operating system.
  - The database server allows a variety of configurations using Oracle8, DB2 or Sybase databases running on Sun Solaris, Microsoft Windows NT, or Digital Equipment Alpha Open VMS or NT platforms.
- Memory: 16 MB RAM  
Disk Space: 36 MB
  - Memory: 64 MB RAM  
Disk Space: 2 GB
  - Memory: 256 MB RAM (minimum)  
Disk Space: 16 GB (minimum)

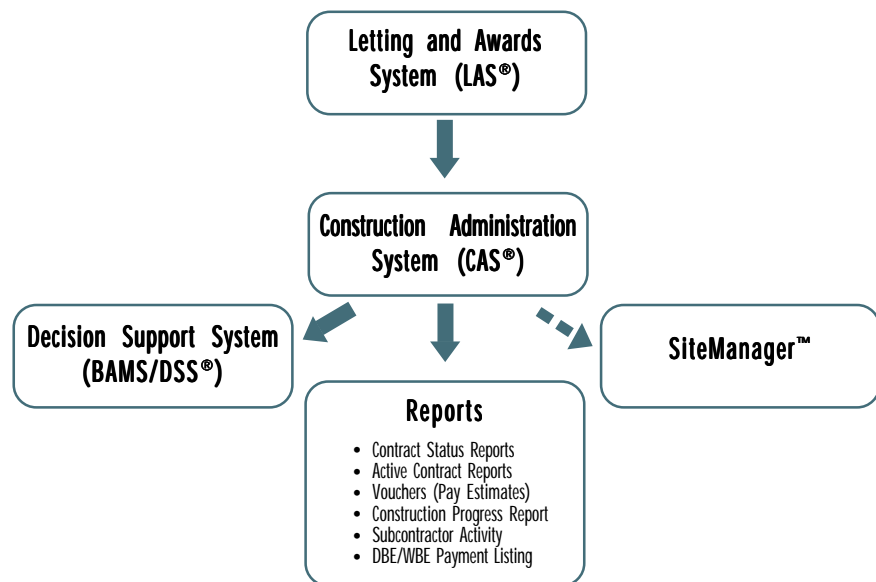
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