



# BIGHORN

INFORMATION SYSTEMS

June 16, 2008

Linda Lowe, Chair  
WildCAD User Committee

## WildCAD SQL Server Proposal

Thank you for this opportunity to provide a proposal for the migration of WildCAD to the use of Microsoft's SQL Server in place of Microsoft Access.

SQL Server would deliver a number of improvements, including:

- Database security and transaction logging
- Eliminate the Access Database Corruption problems
- Provide a true multi-user database

A move to SQL Server requires more than merely changing a few lines of code where the database connection is established. More significantly, a change from Microsoft's DAO (Data Access Objects) to Microsoft's Active Data Objects (ADO) is required. This entails updating each and every recordset operation in the source code.

WildCAD presently contains 430 modules, with a total of 14,364 hard-coded recordset operations. While we can write utilities to help us locate and propose software conversions, each such operation must be individually reviewed and changed. Using an optimistic estimate of 10 minutes per such operation, the total work would be 1.15 full-time person-years. Adding time for testing, the project would involve more than 1.5 person-years.

Nonetheless, I highly recommend the conversion.

For a firm fixed price of \$165,000.00, Bighorn will, within 12 months of your order:

1. Deliver a new WildCADSQL.exe and required Setup programs available for all WildCAD license holders to use.
2. Deliver a conversion utility which populates the SQL Server database with all data from the current WildCAD.mdb.
3. Deliver and install (with local IT support) SQL Server in one southern California dispatch Center for test purposes.
4. Provide the labor necessary to convert the test Center to the new version.

While Bighorn is willing to assist with the conversion of the remaining Centers, we do not know how the agencies will want to approach this. Pricing for subsequent Bighorn support is not included in this proposal.

This price proposal is valid through July 30, 2008. Please contact me with any questions.

Sincerely,

Brian B. Booher  
President