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Memorandum

To: CHAIR AND MEMBERS
Airspace Advisory Committee

Date: August 1, 2002

From: **DEPARTMENT OF TRANSPORTATION**
DIVISION OF RIGHT OF WAY
MAIL STATION 37

File: AIRSPACE

Subject: Caltrans Land Management System

DISCUSSION:

The Division of Right of Way currently uses a myriad of computer systems to manage its projects and properties. These systems, created many years ago, utilize obsolete technology and are difficult to use. For the most part, the various systems do not share data between themselves or other Caltrans systems and retrieving data is often difficult or impossible.

In an effort to both modernize and combine the various management systems, the Division of Right of Way, has analyzed its data needs and computer systems developed for use by transportation departments in other states. The Virginia Department of Transportation (VDOT) Right of Way Management system has been in use for several years and appears to have many of the features needed here in California and will require only moderate modification for our use. A software license for the VDOT system is pending, awaiting completion of an integration study required by the California Department of Finance.

Caltrans Right of Way's new system will be called the Caltrans Land Management System (CLMS). CLMS will utilize modern technology, consistent with departmental standards. It will be flexible and communicate with the department's other systems which are being developed. Redundant data entry will be eliminated and users will be able to collect and compile the information necessary to manage its projects and properties.

Scott Atkins

SCOTT ATKINS
Chief, Real Property Services

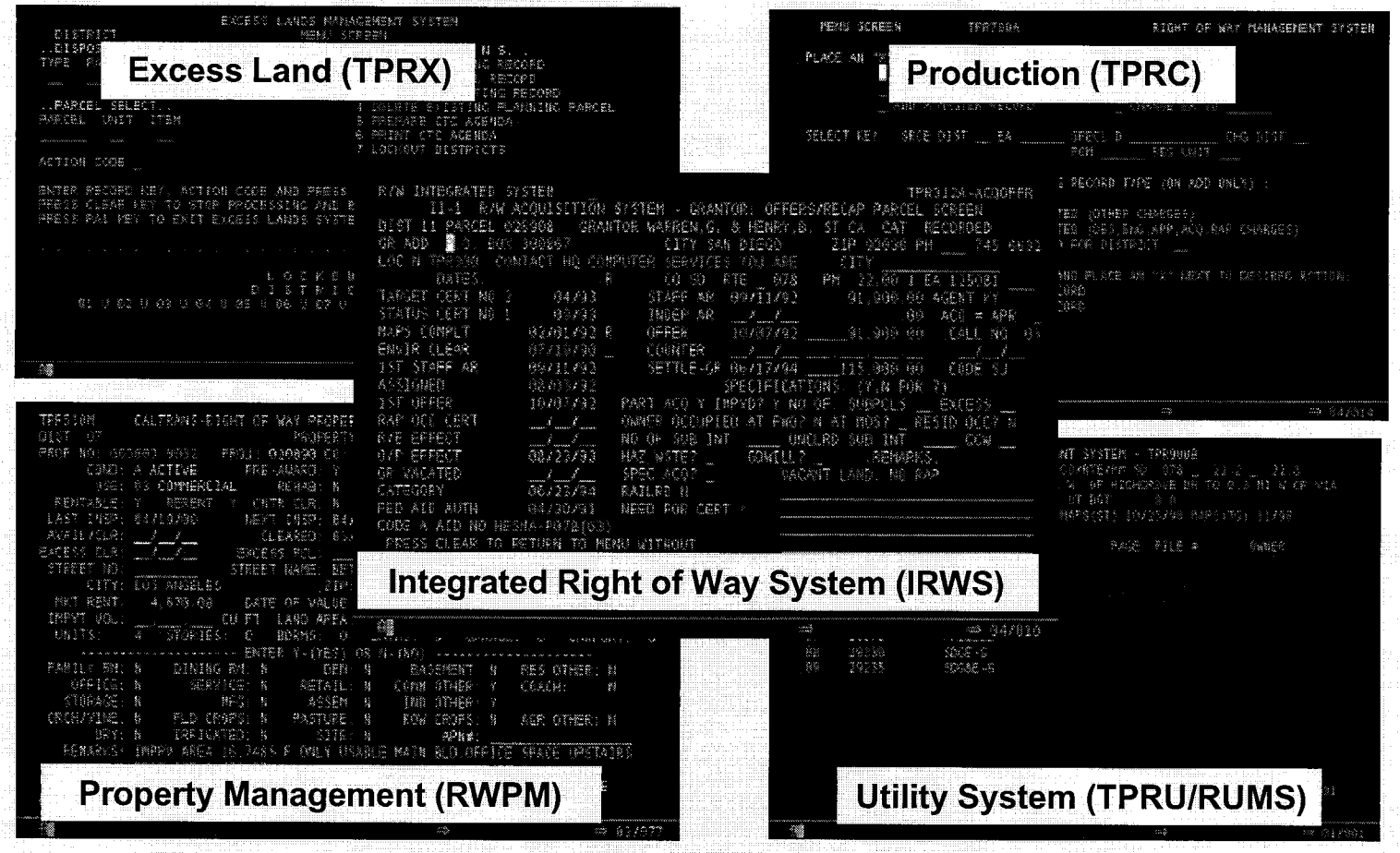
Attachment

Caltrans Land Management System (CLMS)

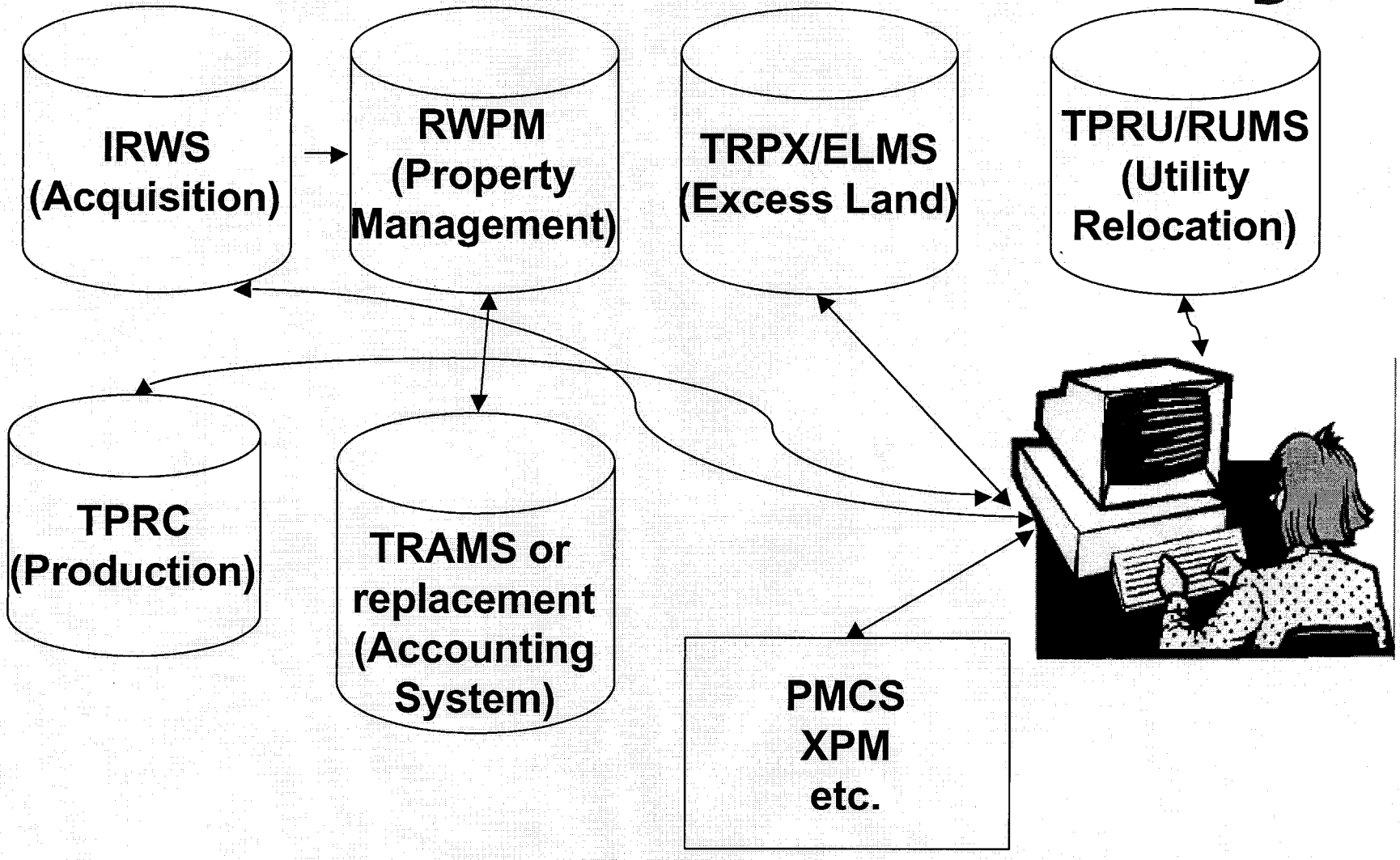
Caltrans

Right of Way

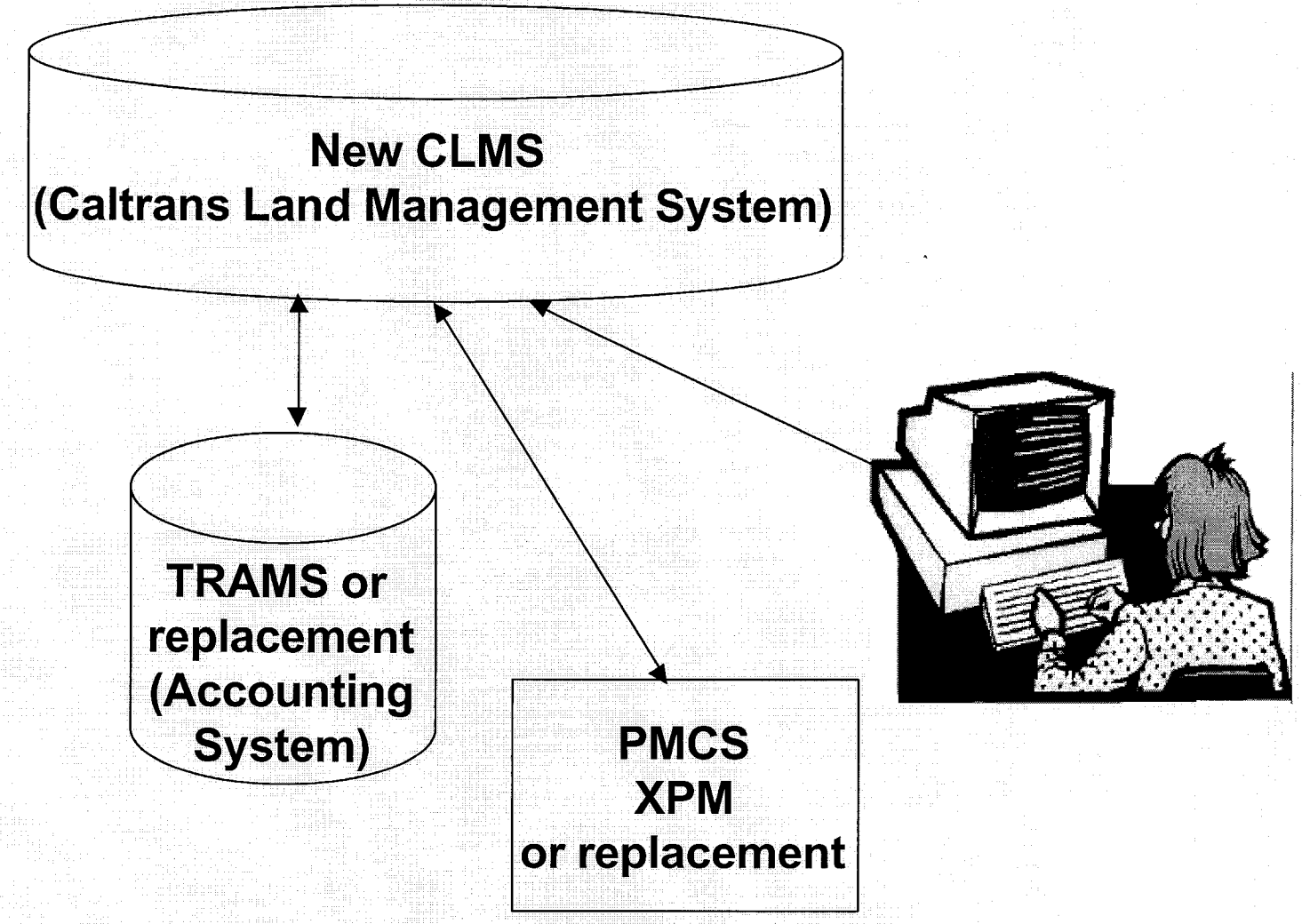
Existing Systems



Redundant Data Entry



Optimized Data Entry



Current system limitations

- No focus on critical dates, allowing milestones to be missed without warning
- Inaccessibility of right of way data for management analysis and project management
- Systems do not collect or provide relevant data
  - Locally funded projects
  - Project estimate data
  - Do not cover all Right of Way program areas
- Unable to directly utilize system data for correspondence and forms
- Mainframe COBOL programs
  - Clumsy, unfamiliar navigation
  - Increasingly expensive system maintenance and enhancements
  - Inconsistent with Department standards
- Redundant data entry between systems

New Vision

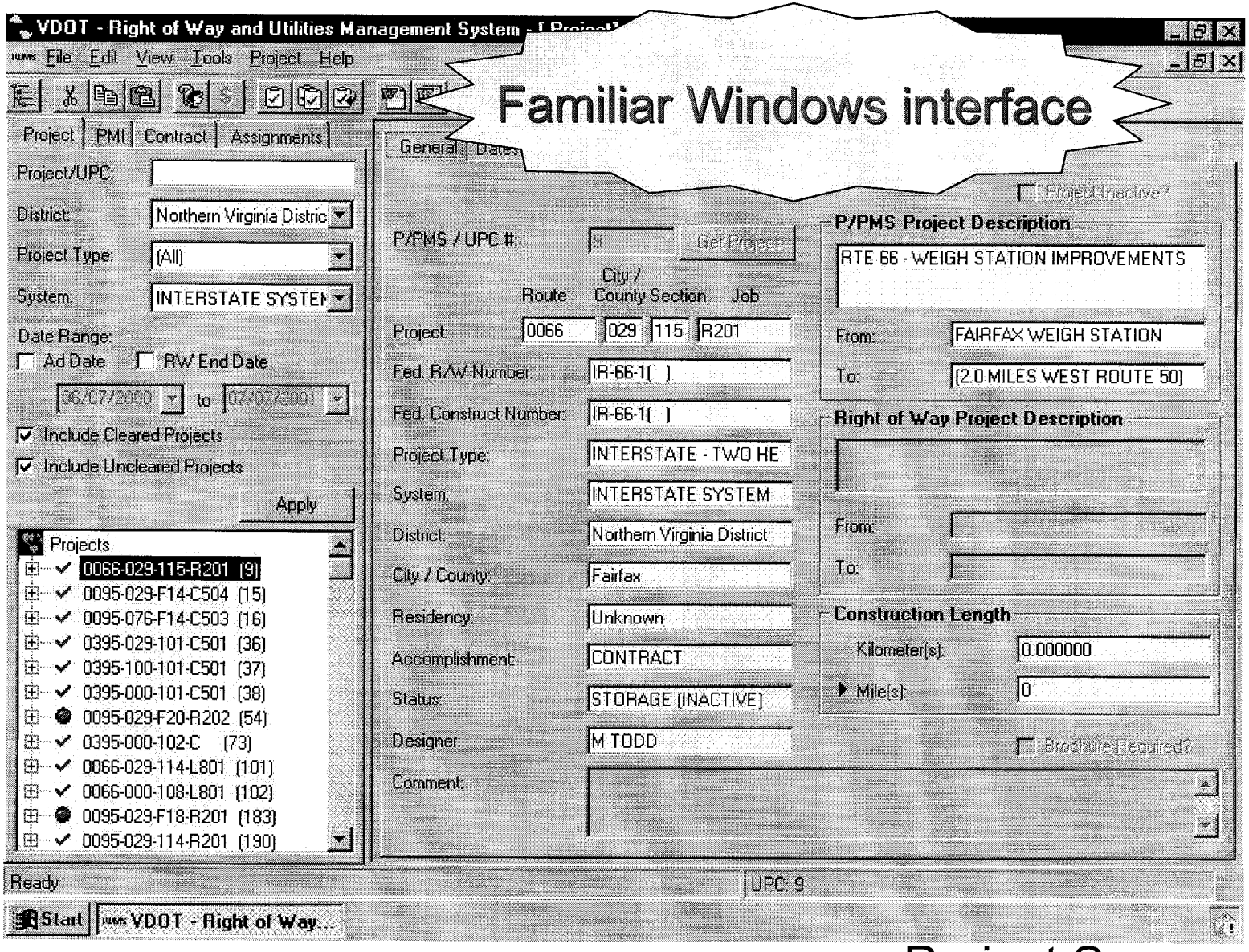
- System developed for Virginia Department of Transportation--propose to license their system and modify to our needs

- Meets current Caltrans software standards
  - Modern software--easily modified and integrated with other systems
  - Oracle back end
  - Familiar Windows interface
  - Interacts with Microsoft Office--Data flows directly into standard templates
  - Completed documents remain on line to create electronic file

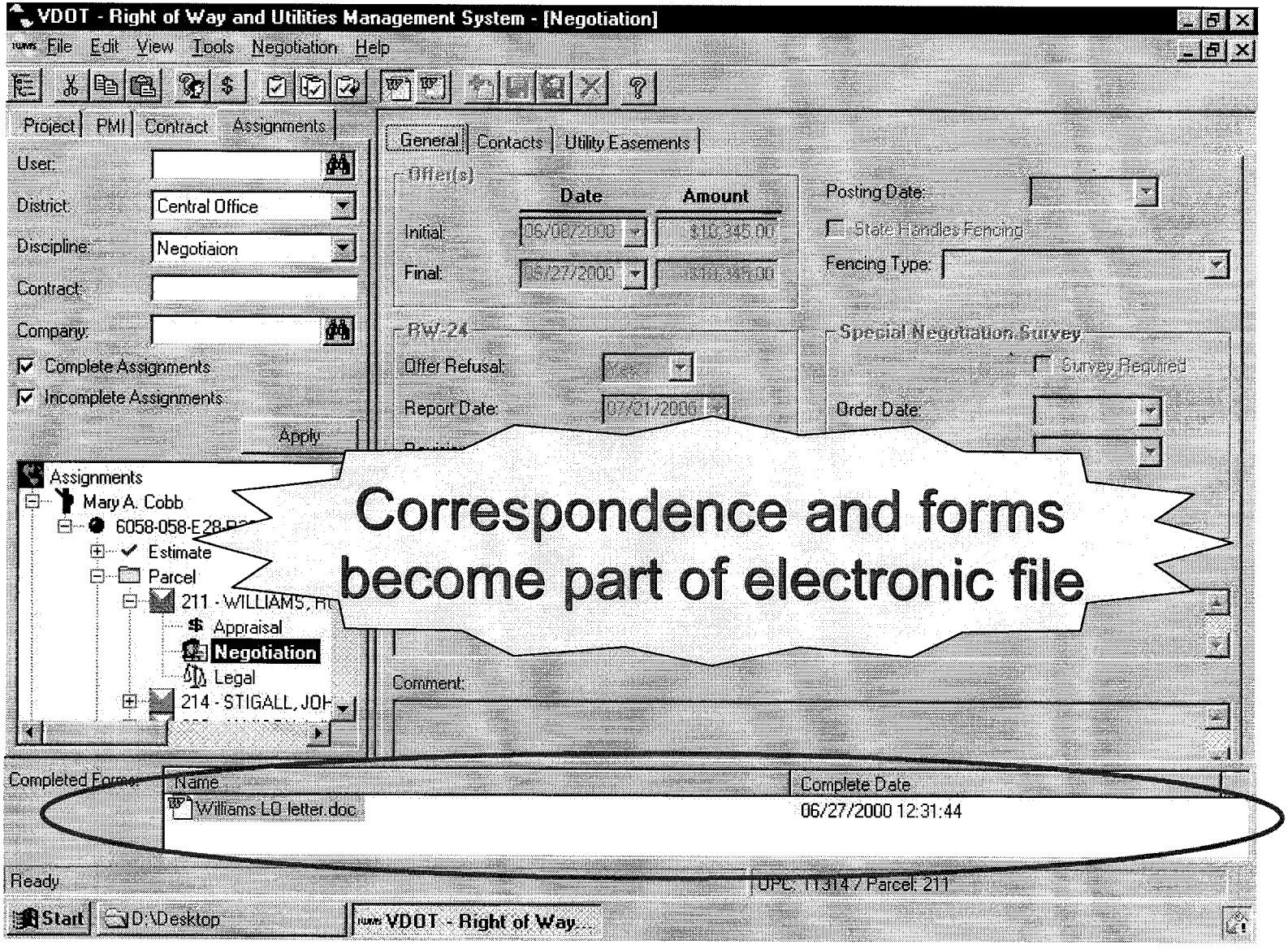
- VDOT has been "live" for two years
  - Continued to polish and enhance
  - Proven technology, leverage another State's investment

CLMS Status

- √ Feasibility Study completed
- √ Data Modeling completed
- Integration Study to analyze interaction of Department's proposed systems
- License VDOT software
- Now documenting flow of R/W data
- Gap analysis--Define difference between current VDOT software and Caltrans needs
- Financing up in air
- 2002/2003 Programming Contract?
- Roll out two years after programming commenced

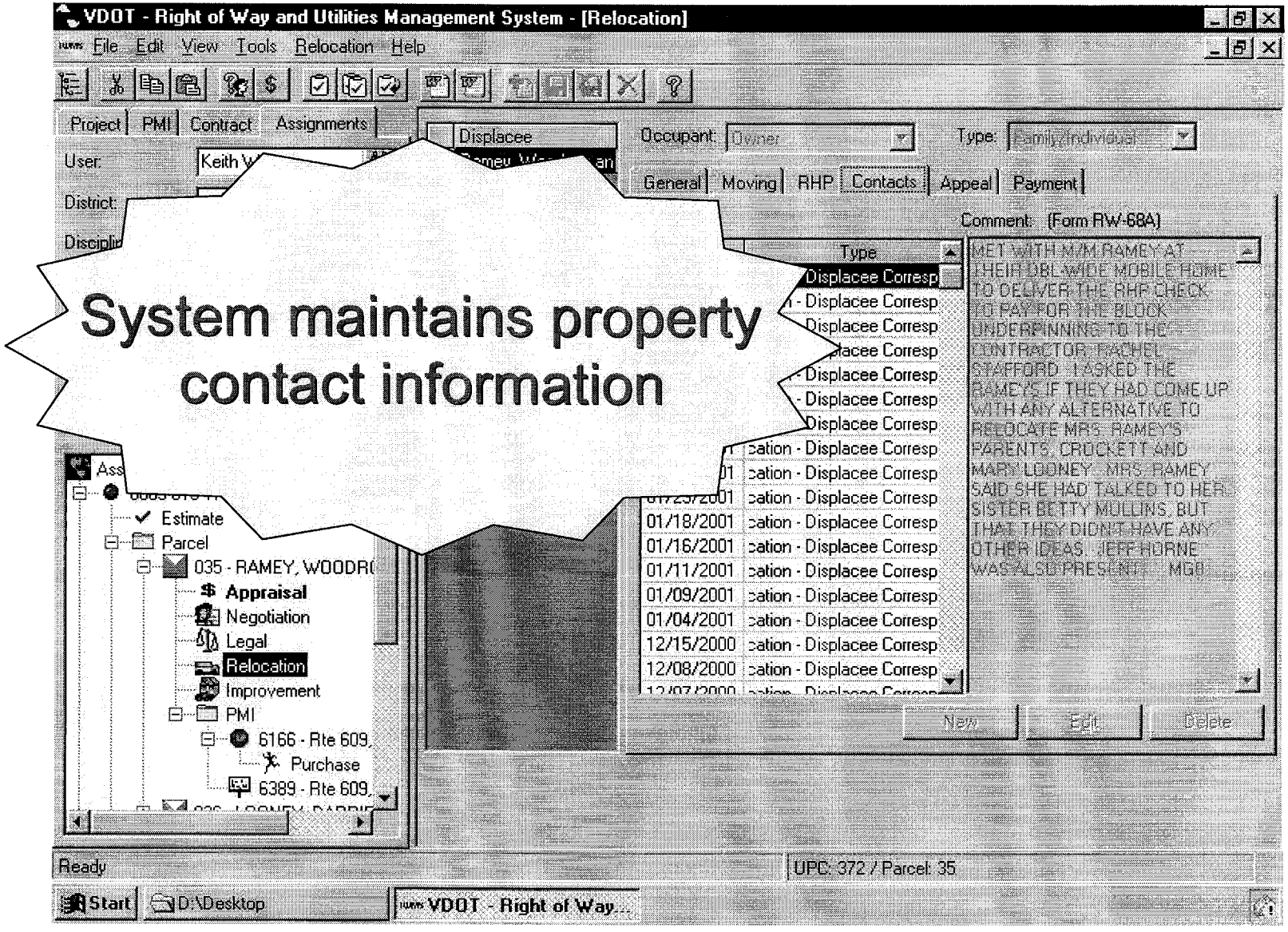


Project Screen

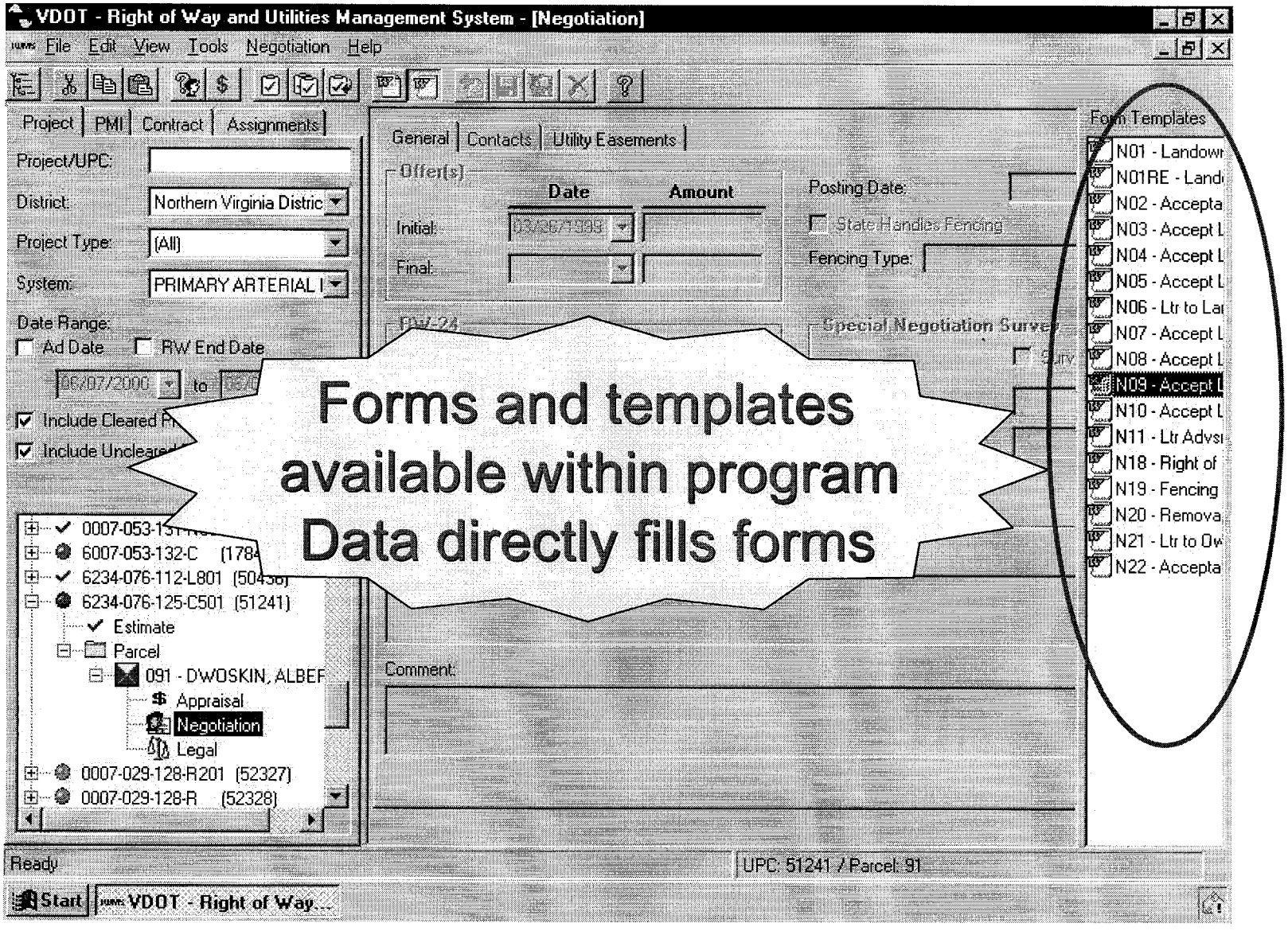


Correspondence and forms become part of electronic file

Negotiation Screen (including correspondence)



Relocation Screen (Contacts)



Negotiation Screen (Showing templates)

Help Topics | Back | Print | << | >>

Welcome to RUMS Help

Welcome to the RUMS System (Right of Way and Utilities Management System). RUMS allows you to automate Right of Way and Utilities information.

- Assumptions/Prerequisites for using RUMS
- Logging into RUMS
- Navigating through RUMS
- Entering Data into RUMS
- RUMS Reporting
- RUMS Forms Processing
- RUMS System Administration

Standard "Windows" help

Help Facility