

Prototype Layout for Pole Data Module for VB Expressions' Electric Records Database

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VB Expressions
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Prototype Pole Records Module

- VB Expressions has been asked to demo a prototype interface for a pole record module for our Electric Records Database Application
- This module could also be made available as a stand-alone application
- The degree of integration with the existing application is a question that would have to be explored
 - Do we integrate pole drop downs in other forms?
 - Do we validate addresses based on pole records in other forms?
 - Do we need additional login authorizations if pole records are included?

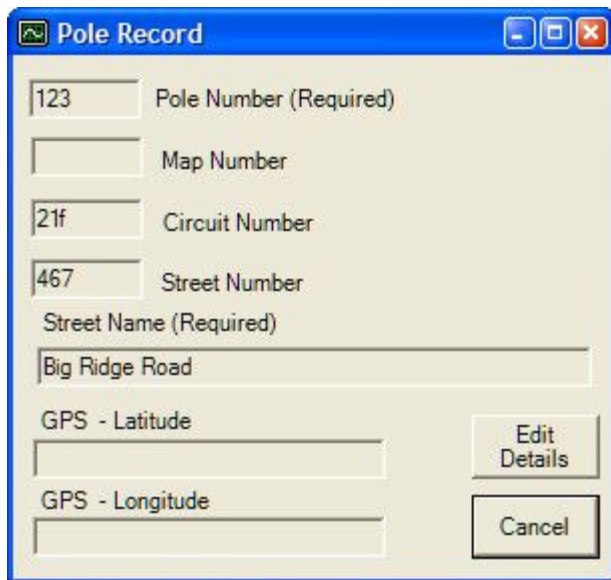
Prototype Pole Records Module

The image displays two screenshots of a software interface. The top screenshot shows a dialog box titled "New Master Record" with a dropdown menu set to "Pole Record" and an "Add Record" button. The bottom screenshot shows a dialog box titled "Pole Record" with fields for Pole Number (123), Map Number, Circuit Number (21f), Street Number (467), Street Name (Big Ridge Road), GPS - Latitude, and GPS - Longitude, along with "Save" and "Cancel" buttons.

- Here we see the familiar New Master form
- When you click the Add record button, the Master Pole Record entry form appears
- We note that the GPS data entry and validation field needs attention.

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- When the pole data is validated and saved, we then can enter details



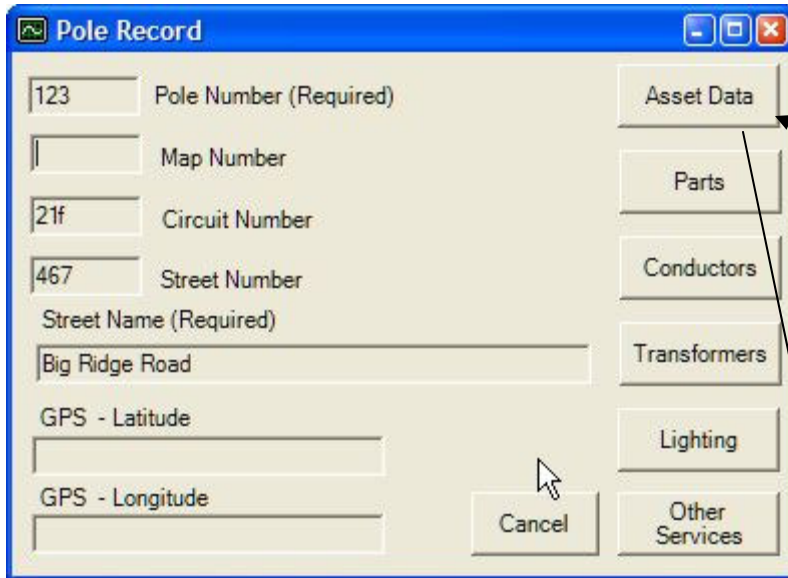
The screenshot shows a software window titled "Pole Record" with a blue title bar and standard window controls. The form contains several input fields and two buttons. The fields are: "Pole Number (Required)" with the value "123", "Map Number" (empty), "Circuit Number" with the value "21f", "Street Number" with the value "467", and "Street Name (Required)" with the value "Big Ridge Road". Below these are two empty fields for "GPS - Latitude" and "GPS - Longitude". To the right of the GPS fields are two buttons: "Edit Details" and "Cancel". An arrow points from the text "we then can enter details" in the list above to the "Edit Details" button.

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The screenshot shows a software window titled "Pole Record" with a blue title bar. The window contains several input fields and a vertical column of buttons. The input fields are: "Pole Number (Required)" with the value "123", "Map Number" (empty), "Circuit Number" with the value "21f", "Street Number" with the value "467", "Street Name (Required)" with the value "Big Ridge Road", "GPS - Latitude" (empty), and "GPS - Longitude" (empty). The buttons on the right are: "Asset Data", "Parts", "Conductors", "Transformers", "Lighting", and "Other Services". A "Cancel" button is located at the bottom center. A mouse cursor is pointing at the "Cancel" button. Three arrows point from the text on the right to the "Asset Data", "Parts", and "Conductors" buttons.

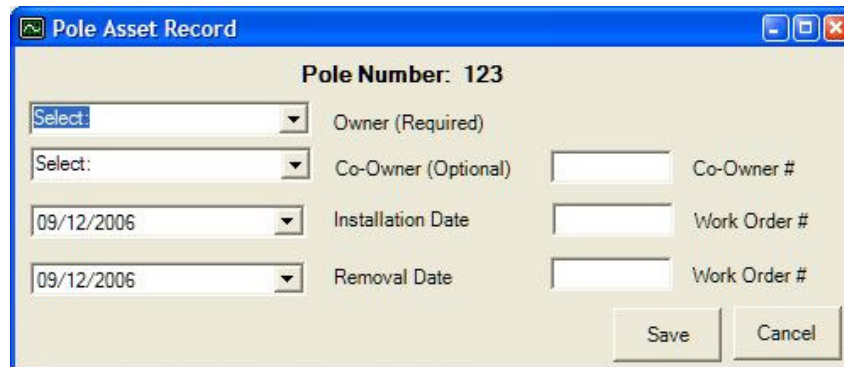
- The form “opens up” to show buttons for detail entry
- As usual only one form will be on-screen at a time for ease-of-use and input validation

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The screenshot shows a window titled "Pole Record" with a blue title bar. On the left side, there are several input fields: "Pole Number (Required)" with the value "123", "Map Number" (empty), "Circuit Number" with "21f", "Street Number" with "467", "Street Name (Required)" with "Big Ridge Road", "GPS - Latitude" (empty), and "GPS - Longitude" (empty). On the right side, there is a vertical stack of buttons: "Asset Data", "Parts", "Conductors", "Transformers", "Lighting", and "Other Services". A "Cancel" button is located at the bottom center of the form area.

- The Asset Data form collects the financial data that might also be recorded on a Continuing Property Record



The screenshot shows a window titled "Pole Asset Record" with a blue title bar. At the top, it says "Pole Number: 123". Below this, there are four rows of fields: "Owner (Required)" with a "Select:" dropdown, "Co-Owner (Optional)" with a "Select:" dropdown and a "Co-Owner #" text box, "Installation Date" with a date dropdown (09/12/2006) and a "Work Order #" text box, and "Removal Date" with a date dropdown (09/12/2006) and a "Work Order #" text box. At the bottom right, there are "Save" and "Cancel" buttons.

- Will use drop-downs and validation for fields as available
- (Note – one form only on-screen – both shown here for navigation clues)

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Pole Record

123 Pole Number (Required)

Map Number

21f Circuit Number

467 Street Number

Street Name (Required)

Big Ridge Road

GPS - Latitude

GPS

Asset Data

Parts

Conductors

Transformers

Pole Components

Pole Number: 123

Select: Pole Height/Type

Cross Arms

Number	Type	Installation Date	Work Order #	Removal Date	Work Order #

Guys

Number	Type	Installation Date	Work Order #	Removal Date	Work Order #

Secondary Racks

Number	Type	Installation Date	Work Order #	Removal Date	Work Order #

Save Cancel

- The Parts Data form includes the physical, non-electrical configuration data
- Additional fields can be added if necessary
- (Note – one form only on-screen – both shown here for navigation clues)

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The image displays two overlapping screenshots of a software application titled "Pole Components". Both windows show "Pole Number: 123".

The top window shows a "Select:" dropdown menu for "Pole Height/Type" with a list of options: 4Pin Single, 4P Double, 6P Single, 6P Double, 8P Single, 8P Double, Alley Single, and Alley Double. Below this are sections for "Cross Arms" and "Guys", each with a table containing columns for "Number", "Type", "Installation Date", "Work Order #", and "Removal Date".

The bottom window shows the same interface, but with a calendar pop-up for "September, 2006". The date "9/19/2006" is selected in the "Installation Date" field. The calendar shows the days of the week (Sun to Sat) and the dates from 1 to 31. A red circle highlights the date 19. Below the calendar, it says "Today: 9/19/2006". At the bottom of the window, there are "Save" and "Cancel" buttons.

- Note that the grid for the pole parts data entry supports the same type of drop-down lists available in the larger forms, this avoiding typing errors

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The image shows two overlapping software windows. The top window, titled "Pole Record", contains several input fields: Pole Number (Required) with value 123, Map Number, Circuit Number with value 21f, Street Number with value 467, Street Name (Required) with value Big Ridge Road, GPS - Latitude, and GPS - Longitude. On the right side of this window are several buttons: Asset Data, Parts, Conductors, Transformers, Lighting, and Other. The bottom window, titled "Conductor Records", is titled "Pole Number: 123" and contains two tables. The first table is labeled "Primary Conductors" and the second is labeled "Secondary Conductors". Both tables have columns for Span, Feet; # Wires; Wire Size; Installation Date; Work Order #; Removal Date; and Work Order #. At the bottom of the "Conductor Records" window are "Save" and "Cancel" buttons. Arrows point from the "Conductors" button in the "Pole Record" window to the "Primary Conductors" table in the "Conductor Records" window.

- The Conductors Data form shows the electrical service
- Additional fields can be added if necessary
(Note – one form only on-screen – both shown here for navigation clues)

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- The details shown here reflect some common info from several sources, notably Spencerport and Endicott – additions and corrections would be made during application development
- The additional detail editing forms would look similar to those shown
- Conceptually, input data would be stored and retrieved from three tables in the database – master/asset, parts/components, other services (co-users)
- Validation data (i.e. parts types) will be stored in the database and can be customized by organization