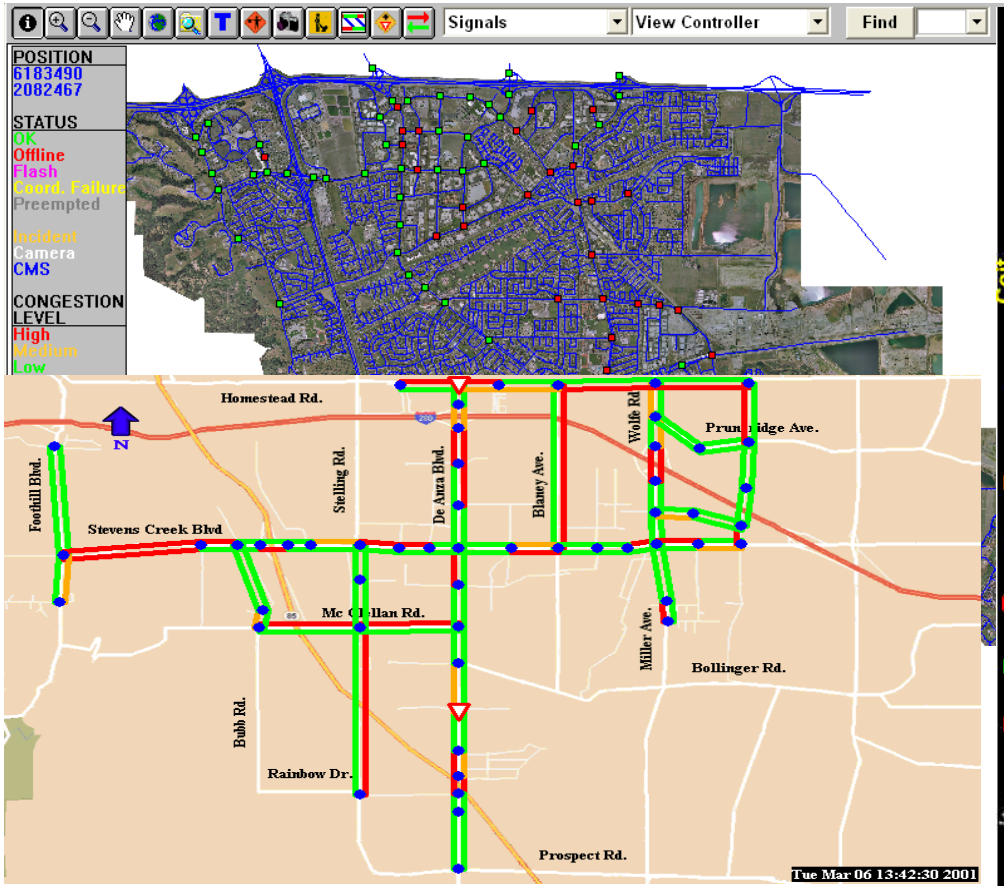
StreetWise Overview



Presentation Goals

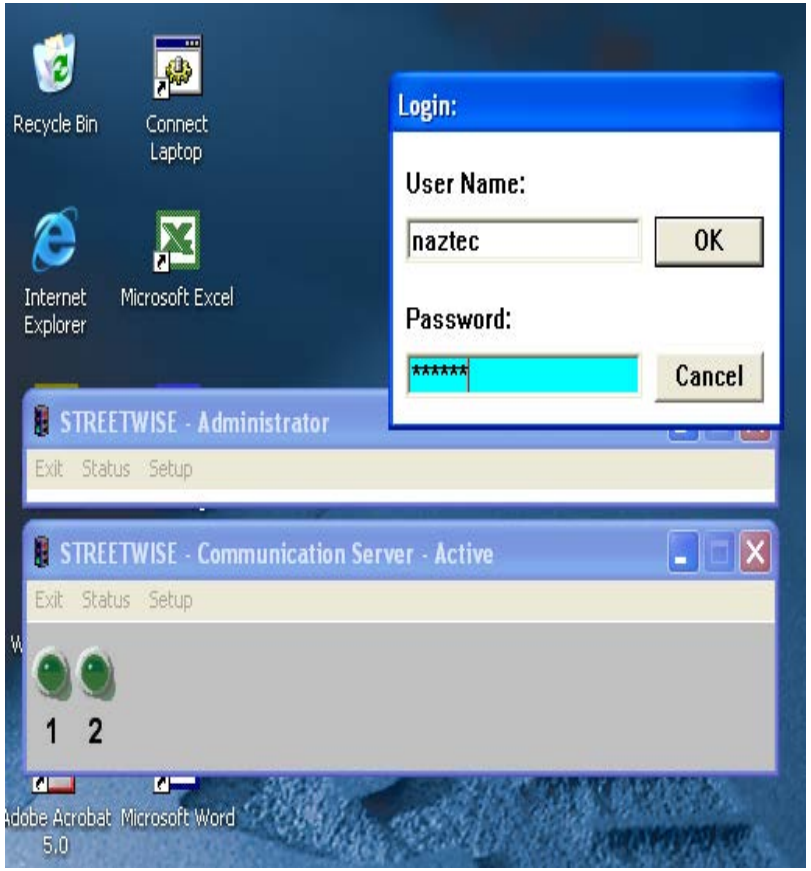
- By the end of this presentation you should be able to
  - Launch StreetWise
  - Define an intersection to StreetWise
  - View a controller
  - Enter controller data
  - Download/Upload data to a controller
  - Create a scan screen

Launching StreetWise

- Doubling clicking on this icon, which should be on your desktop, will launch StreetWise
- The StreetWise Administrator Server will first come up followed by the Communications Server
- Finally a login screen will appear as shown on the next slide

Logging in

- The user enters a user name and a password to start the StreetWise Client
- The next slide shows the basic client screen
- The slide after that shows a client screen that utilizes GIS

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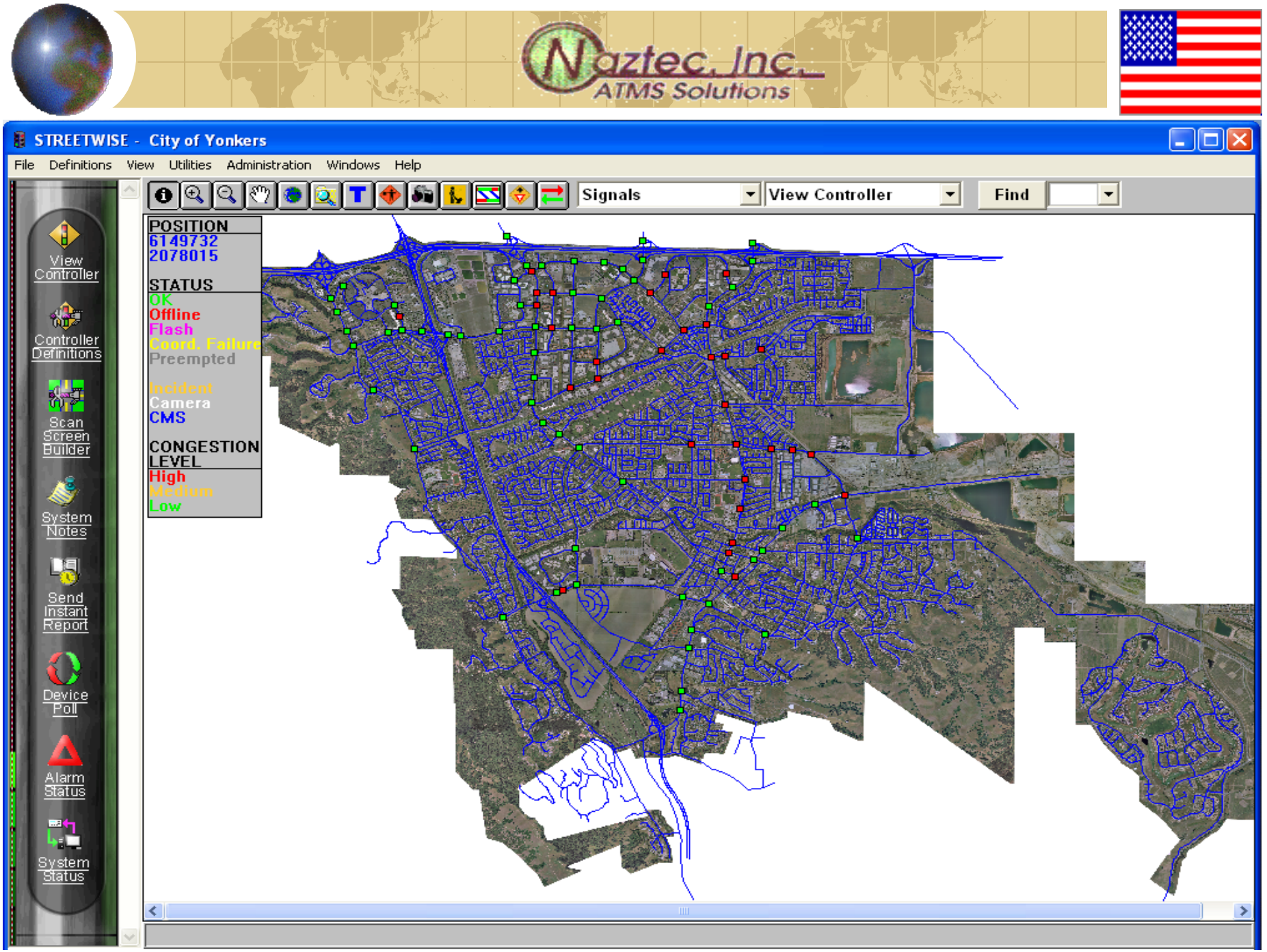
ATMS Solutions
STREETWISE - City of Yonkers
File Definitions View Utilities Administration Windows Help
EXIT
StreetWise
NAZTEC, INC
Tue Jun 22 16:50
naztec - ID:999
Login Duration: 0D:0H:0M
Internet Explorer
Microsoft Excel
STREETWISE - Administrator
Exit Status Setup
STREETWISE - Communication Server - Active
Exit Status Setup
1
2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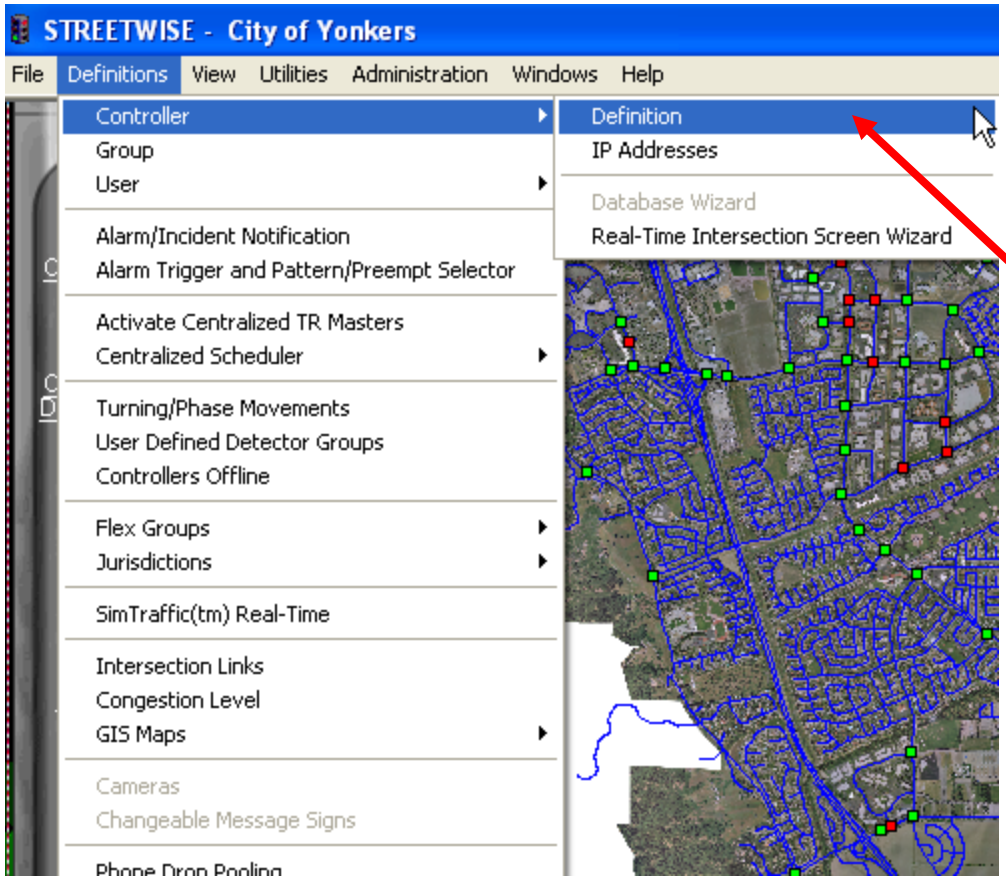
STREETWISE - City of Yonkers
File
Definitions
View
Utilities
Administration
Windows
Help
Signals
View Controller
Find
POSITION
6149732
2078015
STATUS
OK
Offline
Flash
Coord. Failure
Preempted
Incident
Camera
CMS
CONGESTION LEVEL
High
Medium
Low
View Controller
Controller Definitions
Scan Screen Builder
System Notes
Send Instant Report
Device Poll
Alarm Status
System Status

Menu Bar and ICON Bar

- Each screen has a Menu Bar and an ICON bar which allows the user to:
  - Access the StreetWise database
  - Define a intersection (controller) in the system
  - Program the controller database
  - Download/Upload data to/from the controller in the field
  - View live data from the attached controller
- The user can use either the drop down menus or icons to accomplish the above tasks

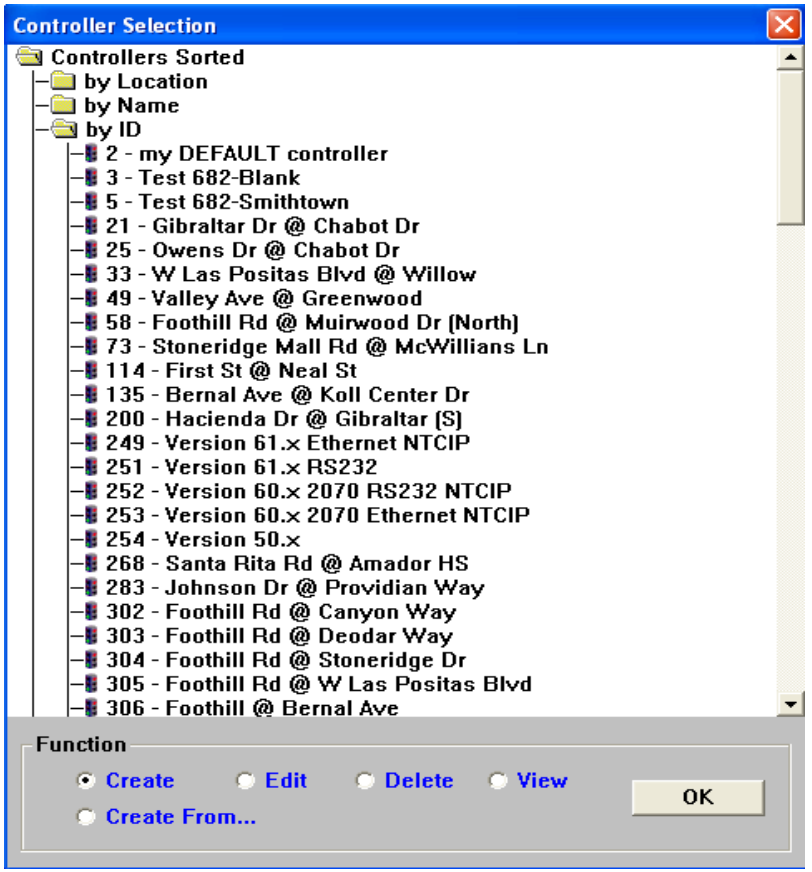
Defining a controller



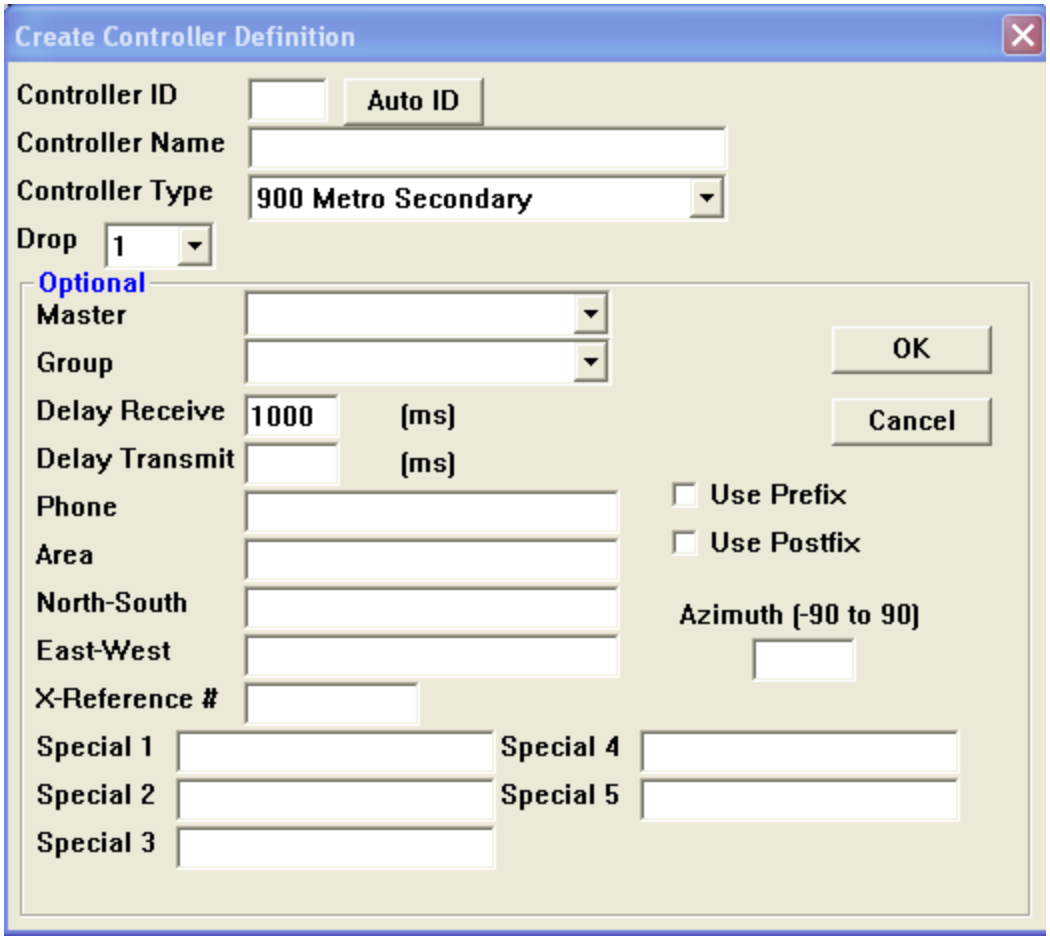
Define an intersection via either method and you will get the next screen

Via Controller definitions you can:

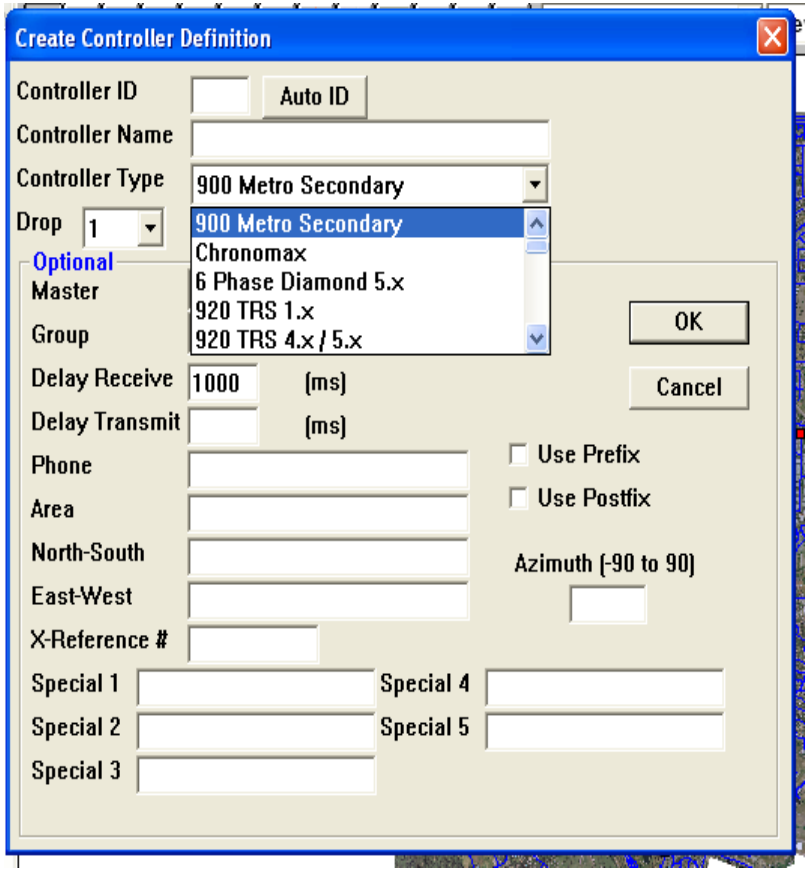
- **Create:** Create a new intersection
- **Edit:** edit existing definition data
- **Delete:** delete an intersection from the database
- **View:** View a controller definition
- **Create From:** Copy an existing intersection to a new one



Create screen



Controller definitions

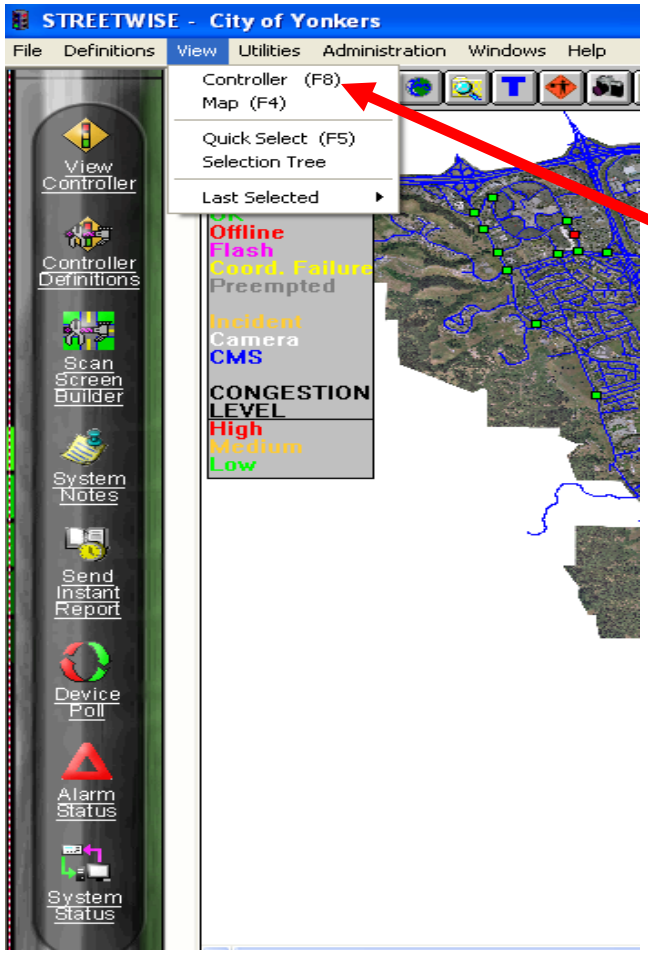


- Give the controller an ID # 1-9999
- Give it an Intersection Name
- Choose the type of controller hardware that is installed
- Add additional info as described on the next slide

Controller Definitions

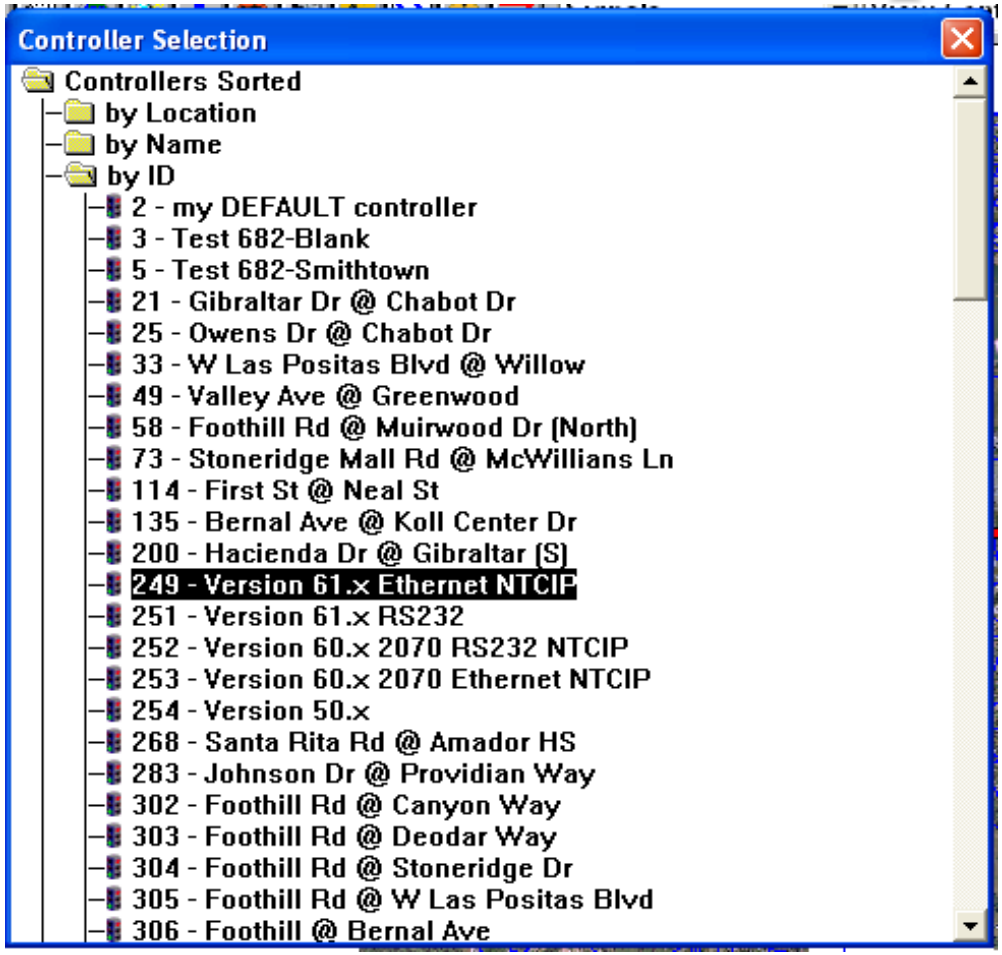
- Identify the controller with a specific Master (MASTER) Or a System (GROUP)
- Communication Drop (DROP) and Phone number (PHONE) if necessary
- Describe the Geographic Area (AREA), Street Names (NORTH-SOUTH, EAST WEST)
- Azimuth Angle (AZIMUTH) for GIS mappings

Accessing a specific intersection



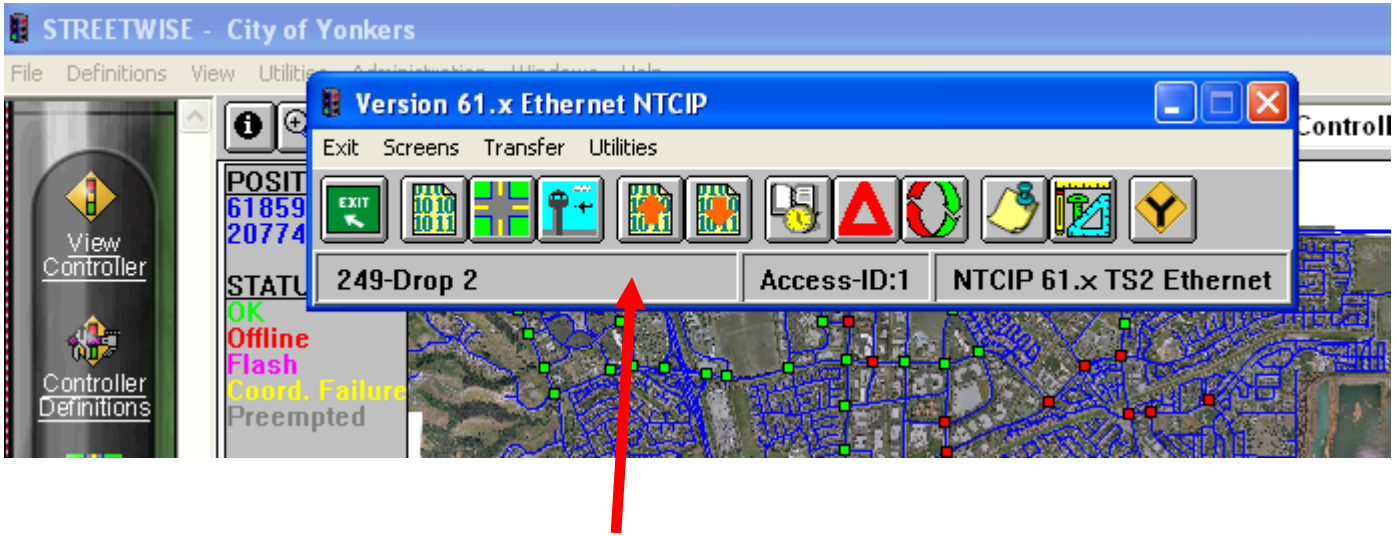
Access an intersection via either method and you will get the next screen

Choose the Intersection that you would like to Edit/Update….

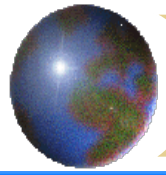


and you will get the following Menu Bar

Intersection Screen & Menus



You can edit an Intersection's specific data from this menu bar



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Version 61.x Ethernet NTCIP

Exit Screens Transfer Utilities

Data Screens

Version 61.x Ethernet NTCIP

Exit Screens Transfer Utilities

Scan Screens

Version 61.x Ethernet NTCIP

Exit Screens Transfer Utilities

Control Screens

Version 61.x Ethernet NTCIP

Exit Screens Transfer Utilities

Notes

Version 61.x Ethernet NTCIP

Exit Screens Transfer Utilities

Upload Entire Database

Version 61.x Ethernet NTCIP

Exit Screens Transfer Utilities

Download Entire Database with Verify

Version 61.x Ethernet NTCIP

Exit Screens Transfer Utilities

Instant Report

Version 61.x Ethernet NTCIP

Exit Screens Transfer Utilities

Alarm Status

Version 61.x Ethernet NTCIP

Exit Screens Transfer Utilities

Device Poll

Version 61.x Ethernet NTCIP

Exit Screens Transfer Utilities

Drawings and Documents

Version 61.x Ethernet NTCIP

Exit Screens Transfer Utilities

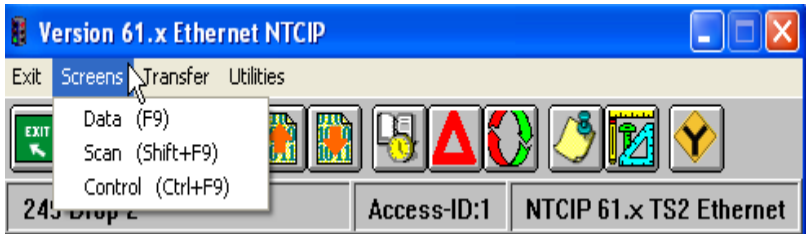
Real-Time Split Monitor

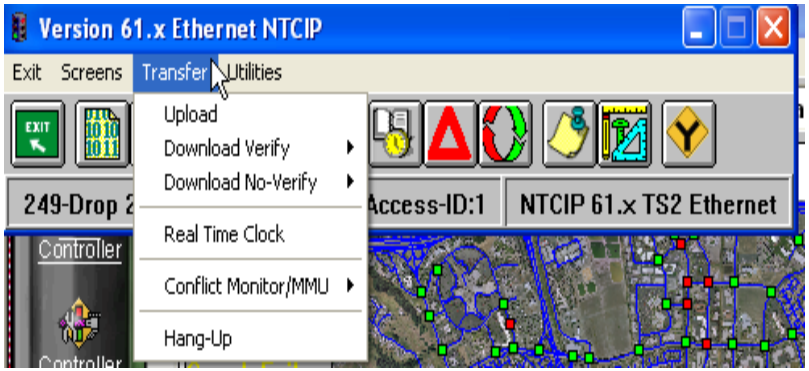
Version 61.x Ethernet NTCIP

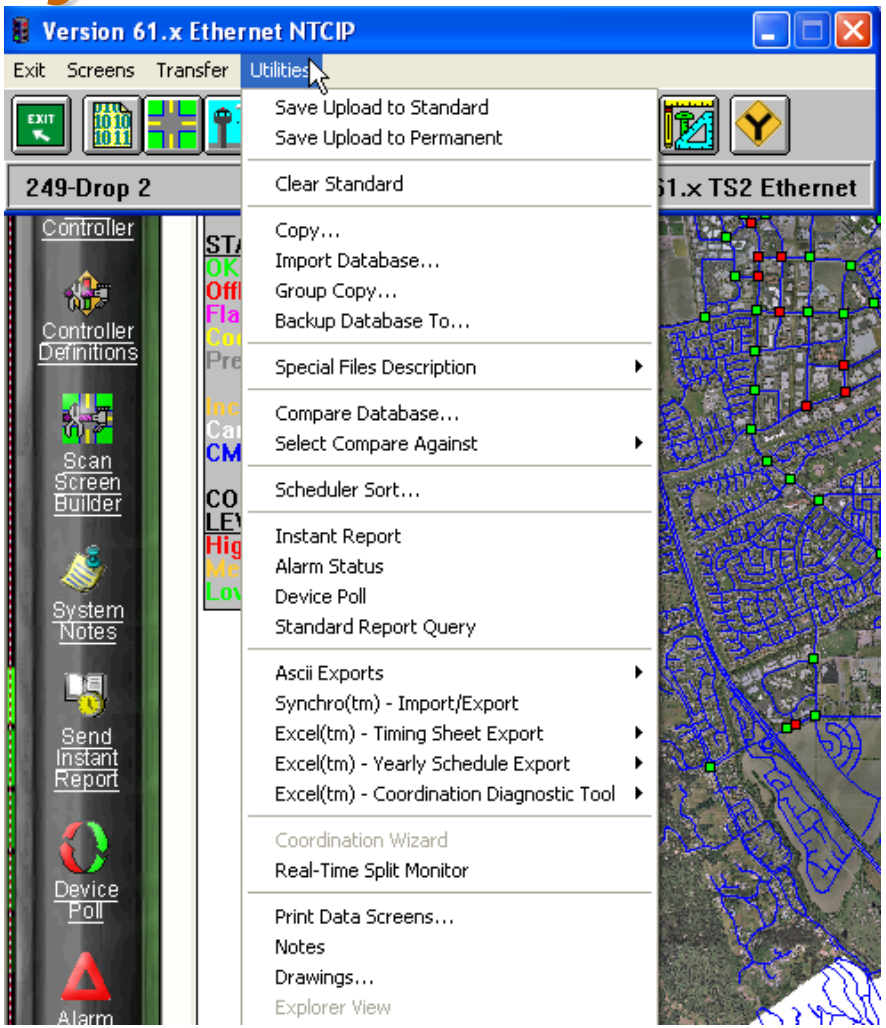
Exit Screens Transfer Utilities

Exit

Or use the menu system

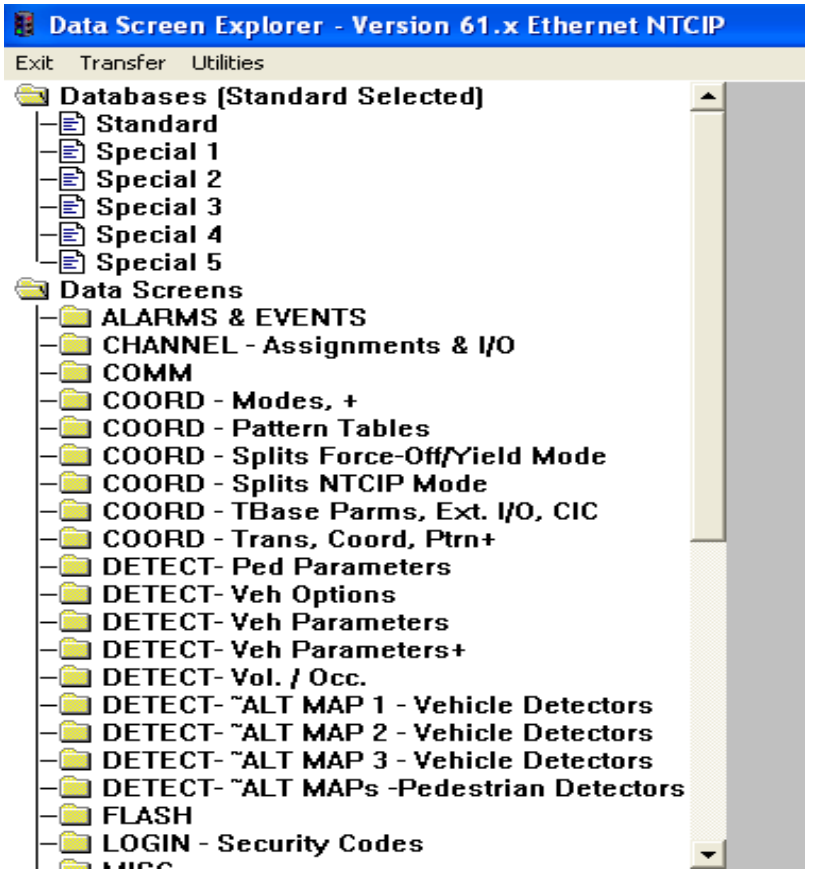




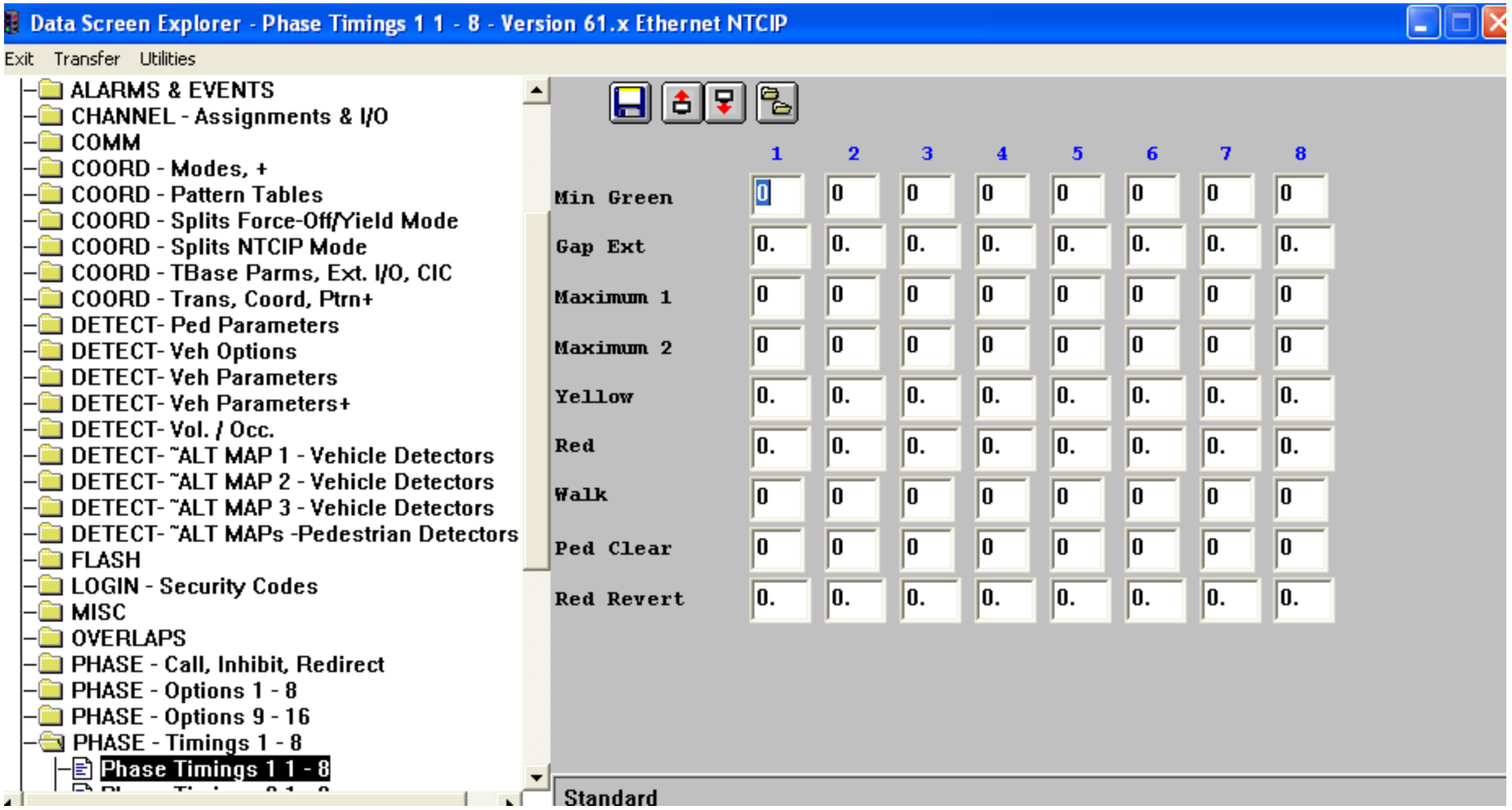


Editing data (Data Screens)

- Brings up the Data screen explorer which is a file/folder system
- Opening up a specific folder and a file underneath it will bring you to the specific data to edit, upload or download.



Lets Pick Phase timing



Data specific screens

- This data can be edited using standard windows keystrokes including CTRL-C (Copy) and CTRL-V (Paste) You can also use the icons:

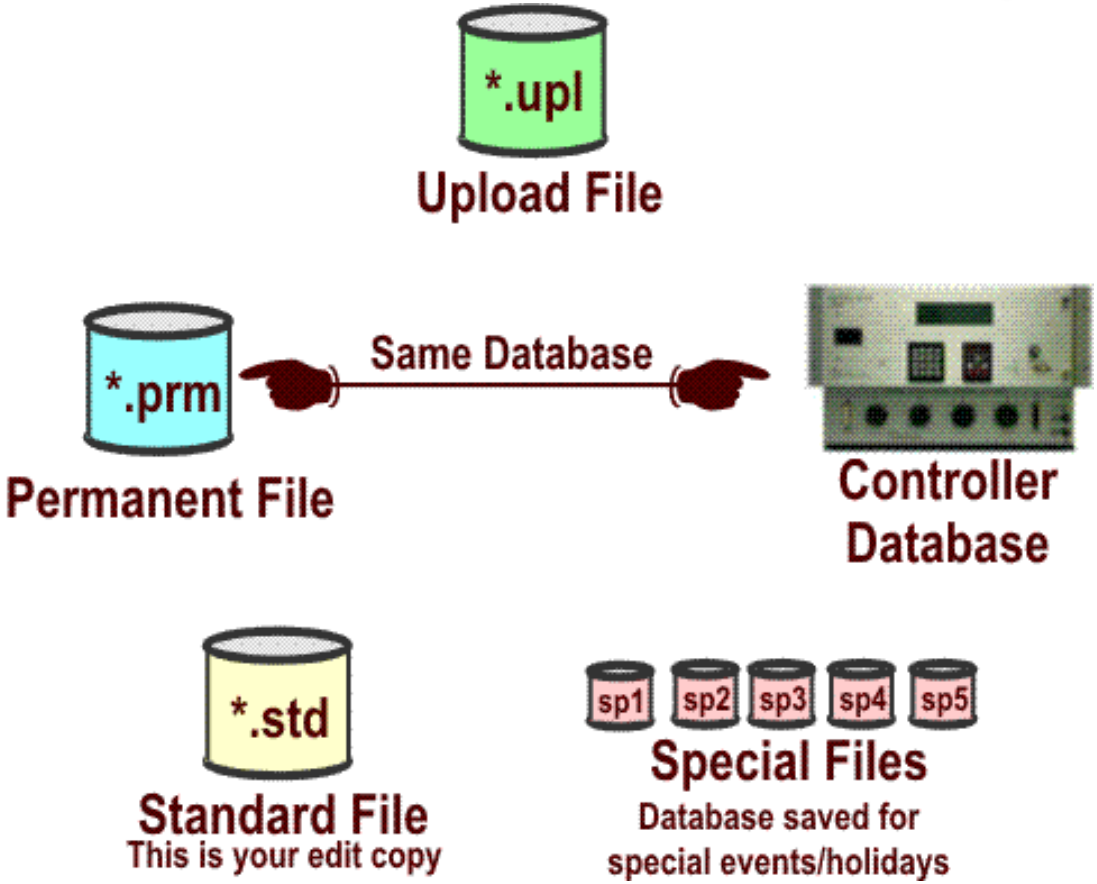
- Save Data File (to the Server database)

- Upload Screen (from controller)

- Download Screen (to controller) with verify

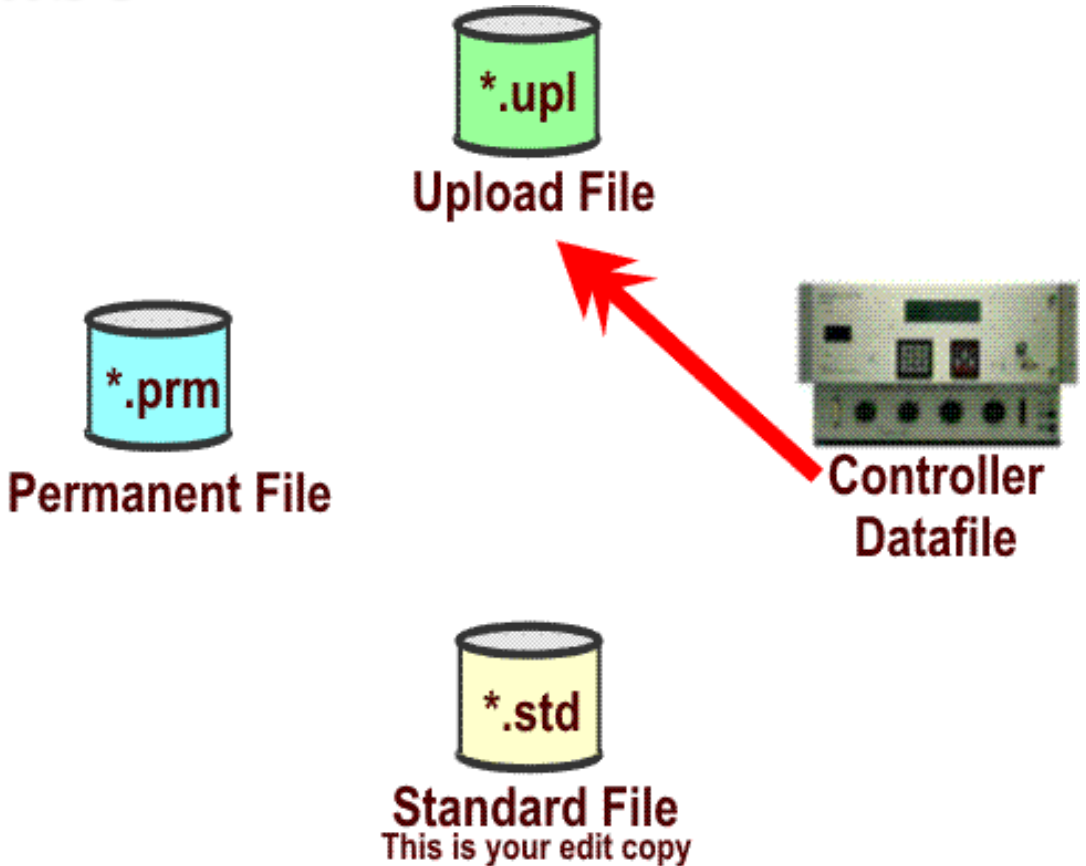
- Copy data screen (from this intersection)

TechNote 3020 describes the StreetWise Database File System

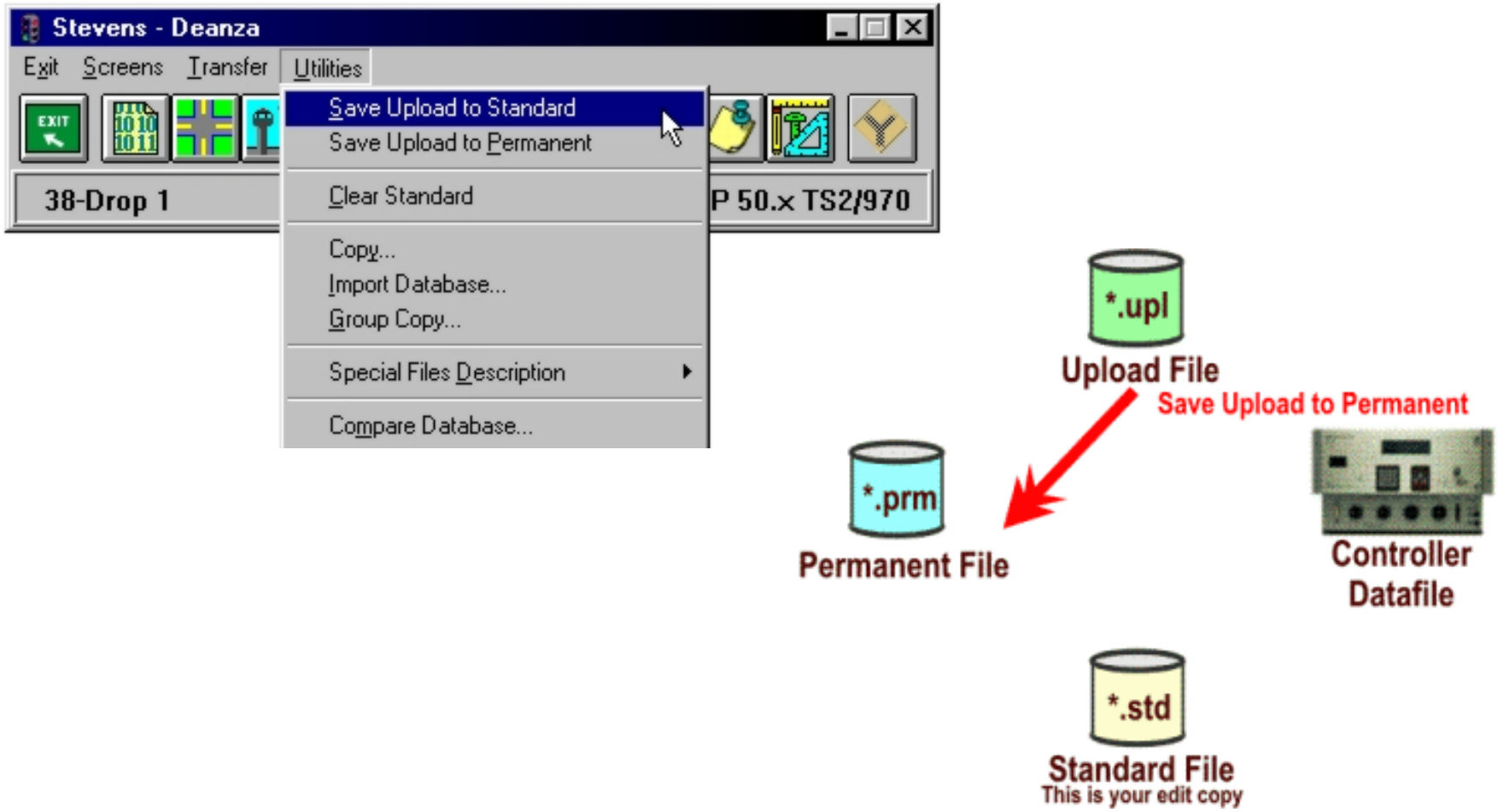


Upload takes data from controller and places it in the Upload file of the database

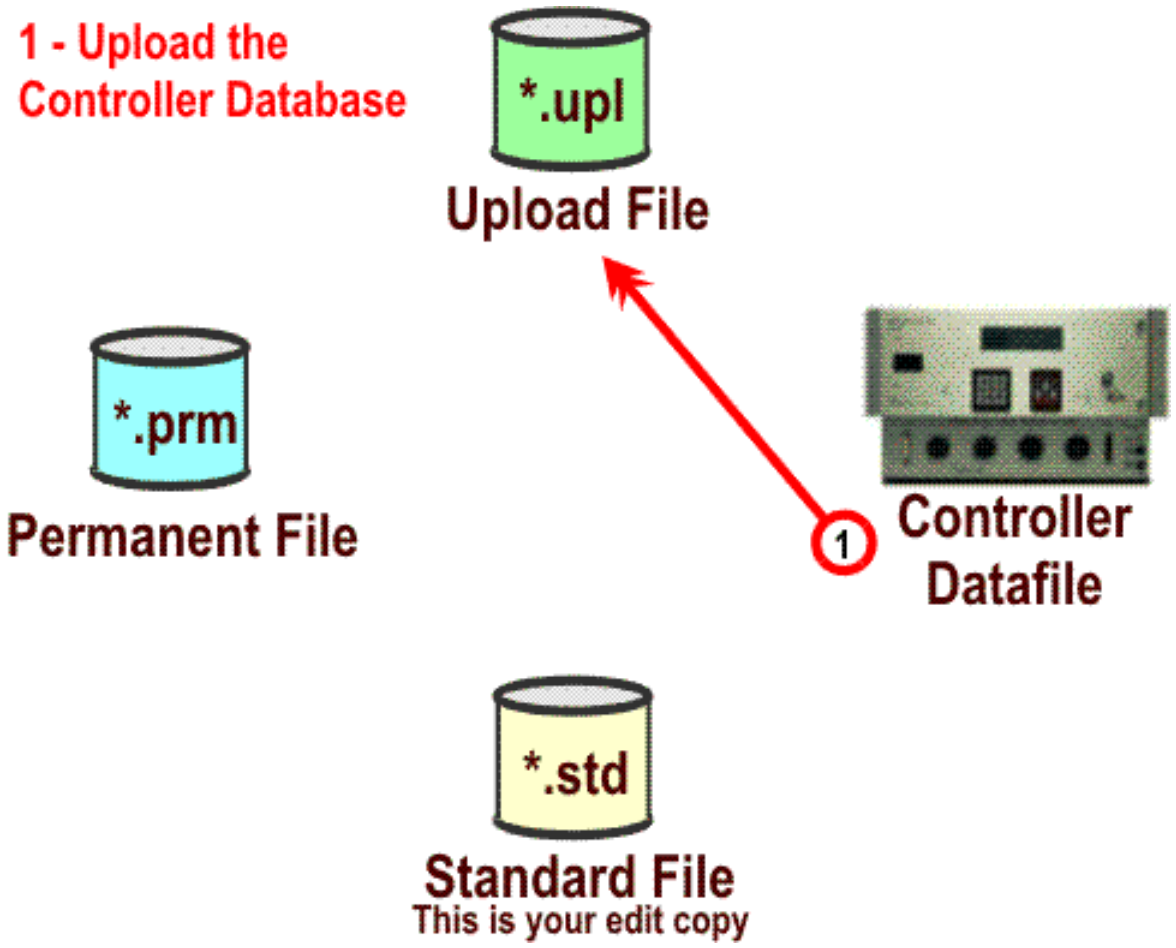
The Upload file is a temporary file—Must save it to the Standard or Permanent data files



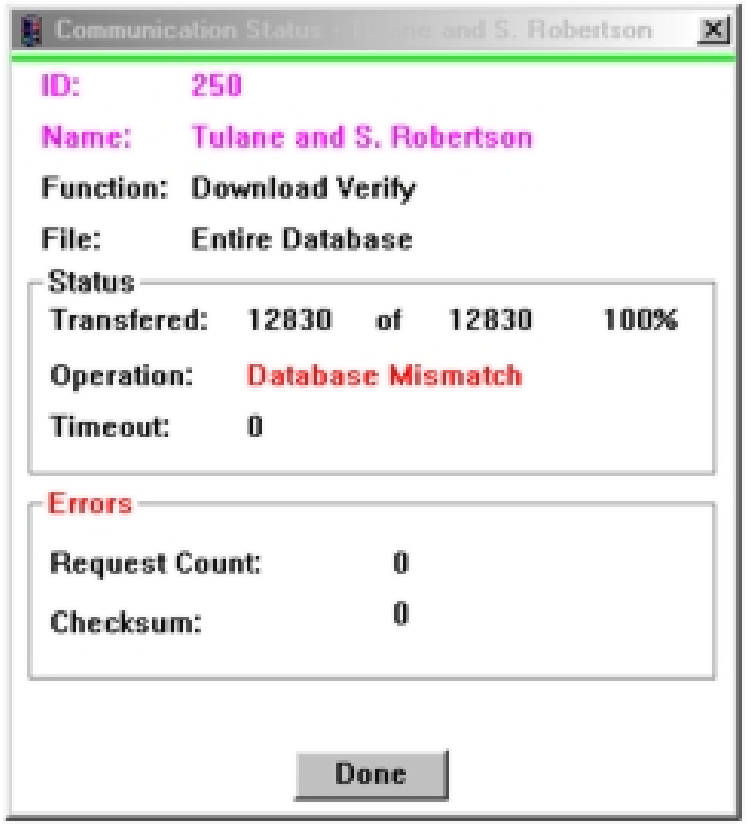
The Upload file is a temporary file—Must save it to the Standard and/or Permanent data files



Download Procedure



Database Mismatch with a Download with Verify

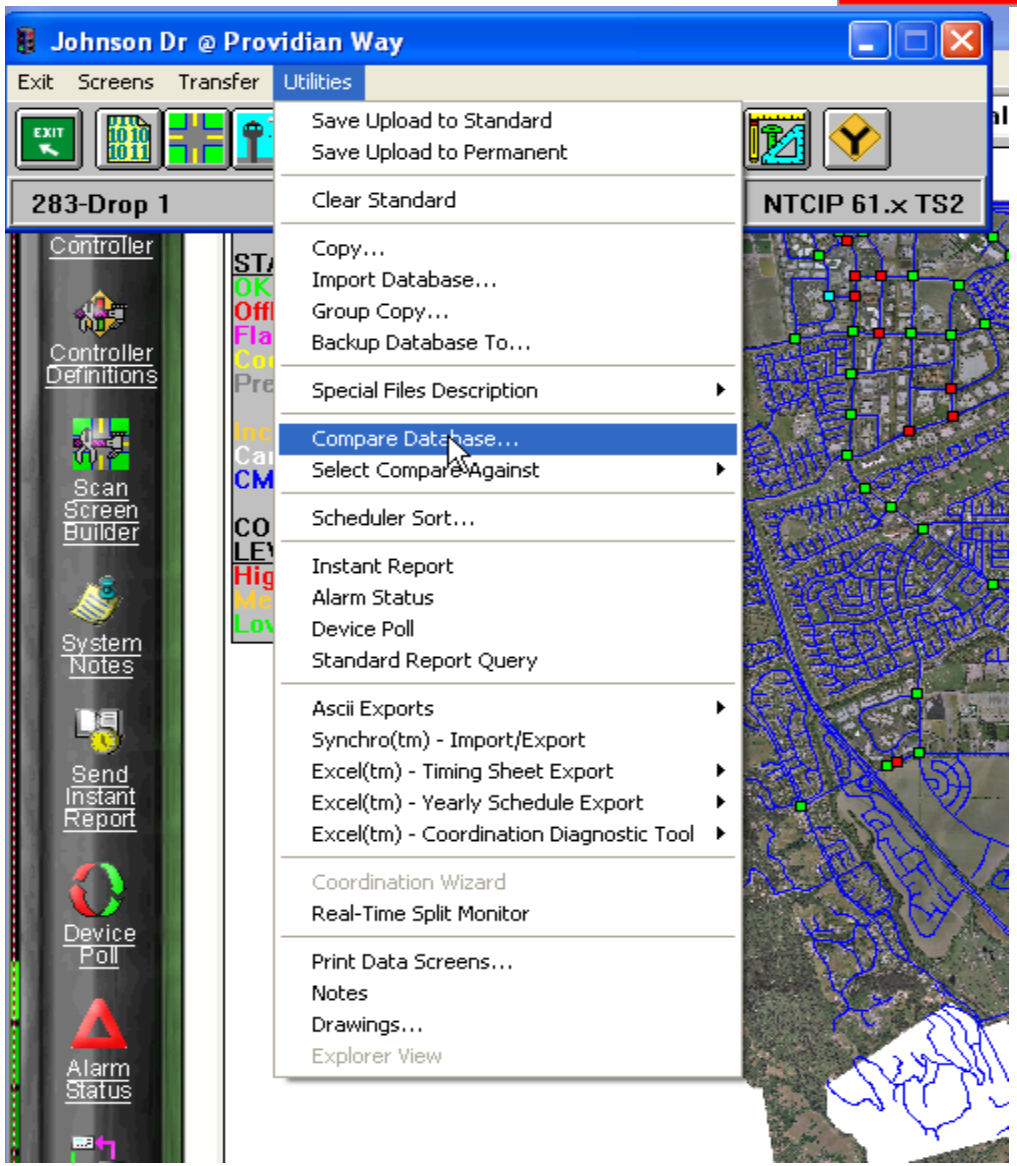


- If the Upload file, the Permanent file or the Standard file do not match when doing a Download this screen will appear

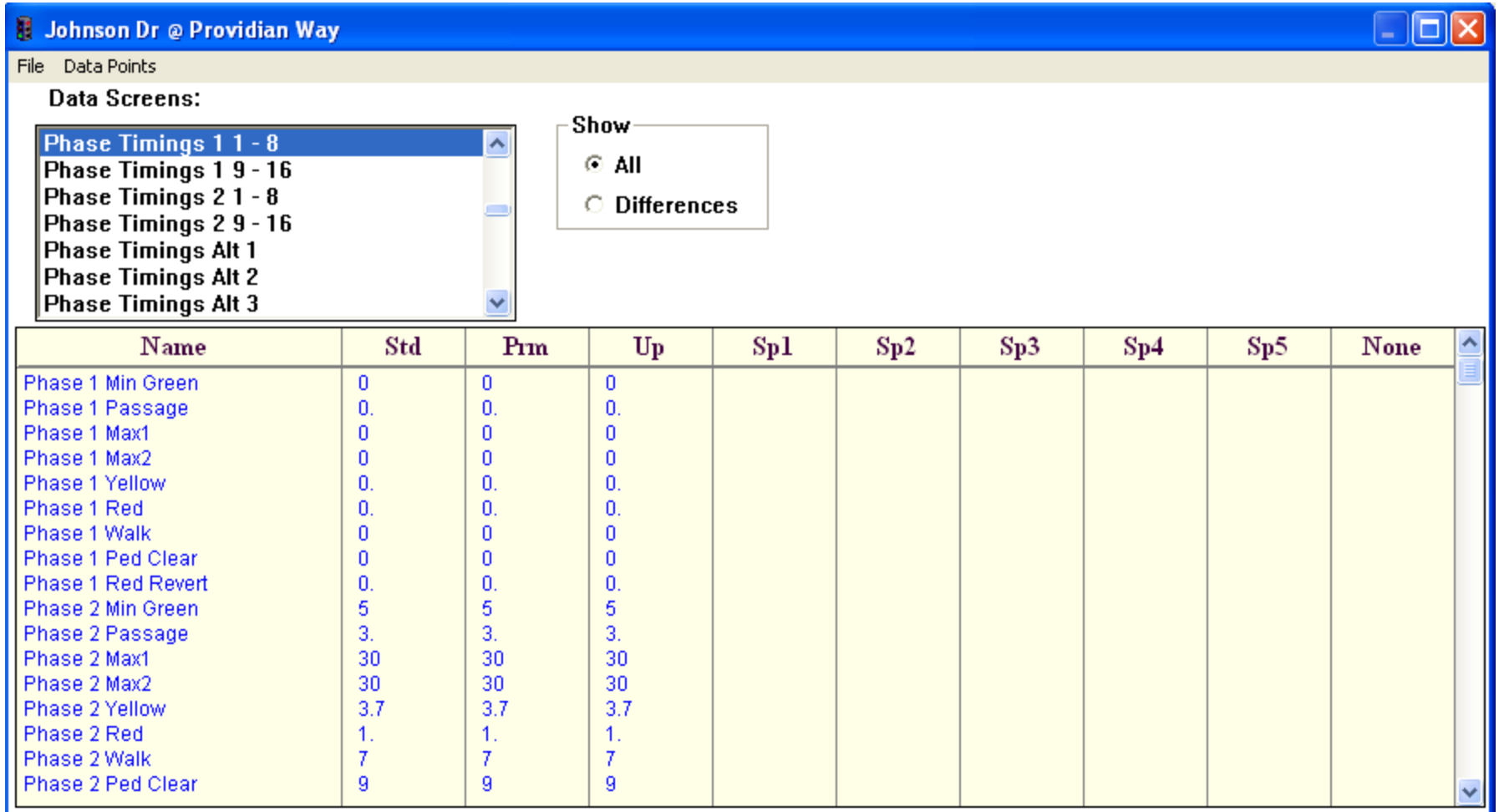
Comparing databases

Choosing this selection after downloading or uploading will show the user any differences between each database---

See the next slide for details

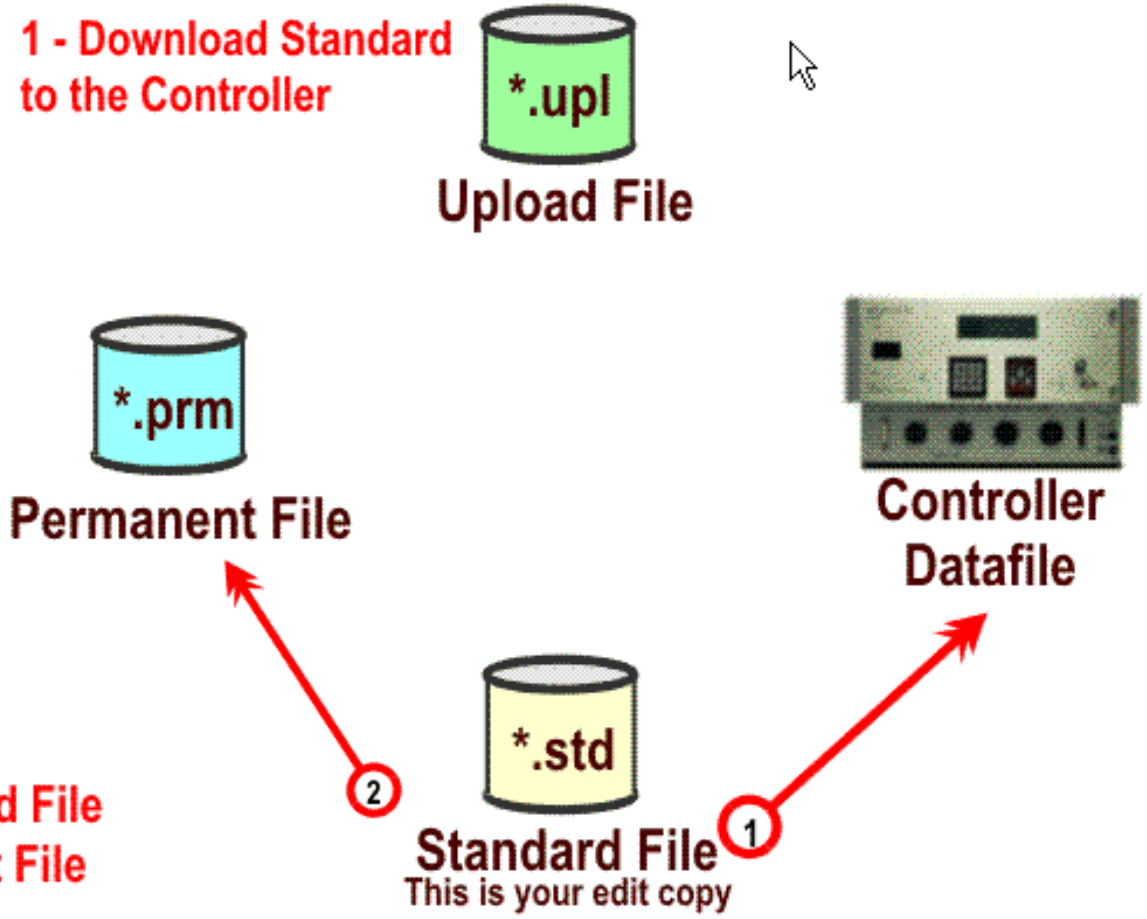


Differences will be highlighted in RED

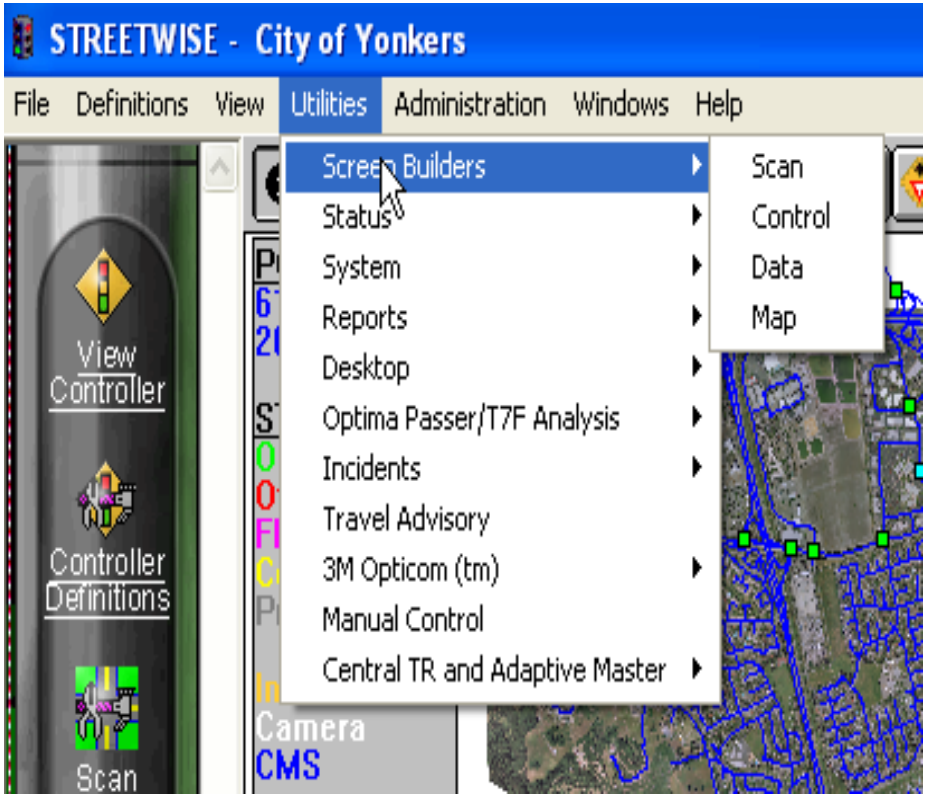


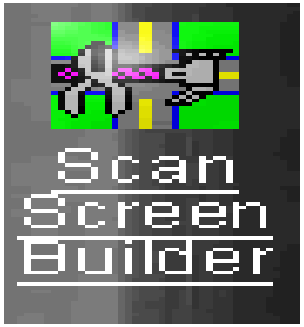
Name	Std	Prm	Up	Sp1	Sp2	Sp3	Sp4	Sp5	None
Phase 1 Min Green	0	0	0						
Phase 1 Passage	0.	0.	0.						
Phase 1 Max1	0	0	0						
Phase 1 Max2	0	0	0						
Phase 1 Yellow	0.	0.	0.						
Phase 1 Red	0.	0.	0.						
Phase 1 Walk	0	0	0						
Phase 1 Ped Clear	0	0	0						
Phase 1 Red Revert	0.	0.	0.						
Phase 2 Min Green	5	5	5						
Phase 2 Passage	3.	3.	3.						
Phase 2 Max1	30	30	30						
Phase 2 Max2	30	30	30						
Phase 2 Yellow	3.7	3.7	3.7						
Phase 2 Red	1.	1.	1.						
Phase 2 Walk	7	7	7						
Phase 2 Ped Clear	9	9	9						

Download No Verify Procedure



Creating a Scan Screen

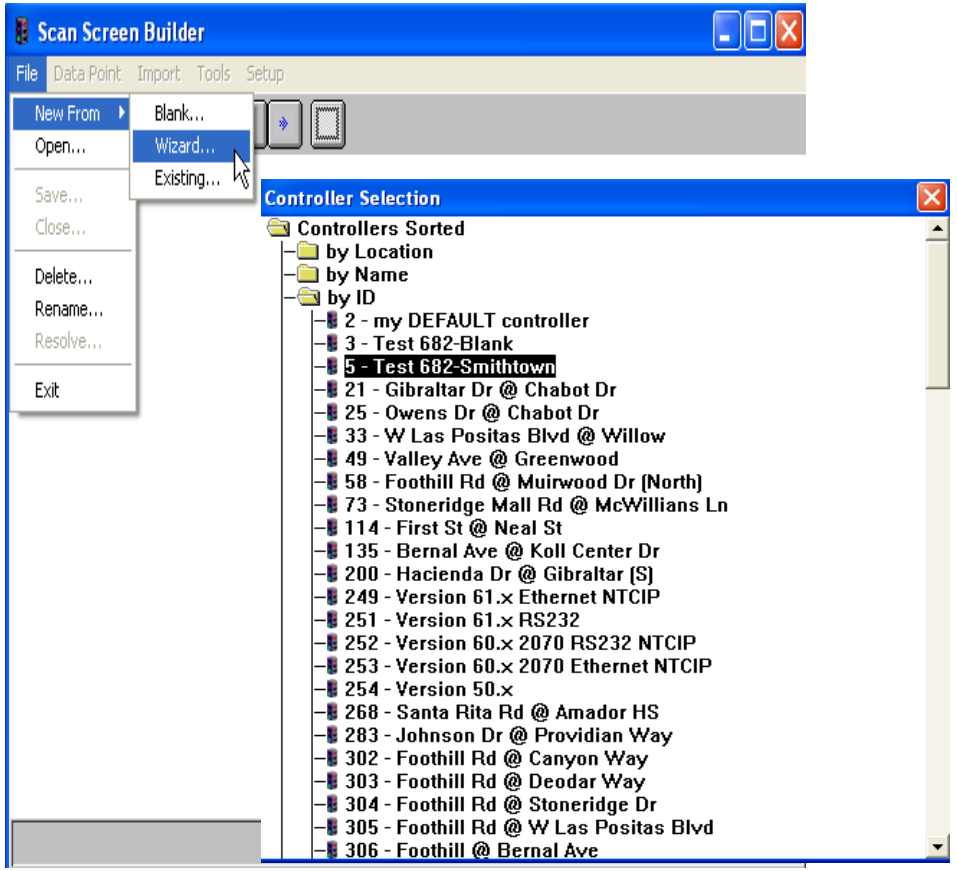




- Choosing the above icon or using the menu system from the main client screen, you can create a graphic of your intersection using the Scan Screen Builder

Scan Screen Builder

- Choosing the wizard will give allow you to create quick and easy layout of your intersection
- See the next slide for a detailed setup



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Real-Time Intersection Screen Wizard

Intersection Name: Test 682-Smithtown

North Arrow - Azimuth (0 to 360)

☑ Show Phase/Ped Assignments on Generated Display

N/S Street Name: Main

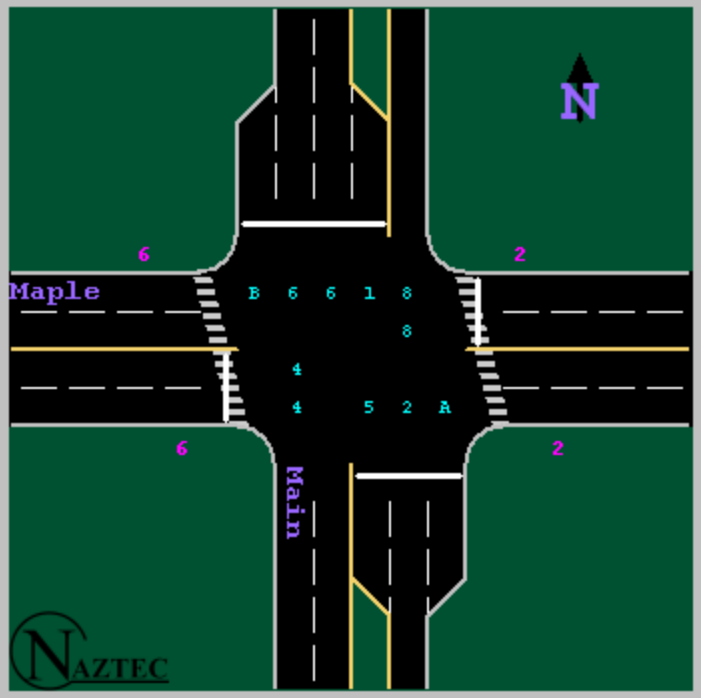
☑ Northbound ☑ Southbound

	Northbound			Southbound		
Ped Movement	P2			P6		
	Lanes	Movement(s) Ball	Arrow	Lanes	Movement(s) Ball	Arrow
Left	1	None	P5	1	None	P1
Thru	1	P2		2	P6	
Right	1	None	01	1	None	02

E/W Street Name: Maple

☑ Eastbound ☑ Westbound

	Eastbound			Westbound		
Ped Movement	None			None		
	Lanes	Movement(s) Ball	Arrow	Lanes	Movement(s) Ball	Arrow
Left	0	None	None	0	None	None
Thru	2	P4		2	P8	
Right	0	None	None	0	None	None



Preview

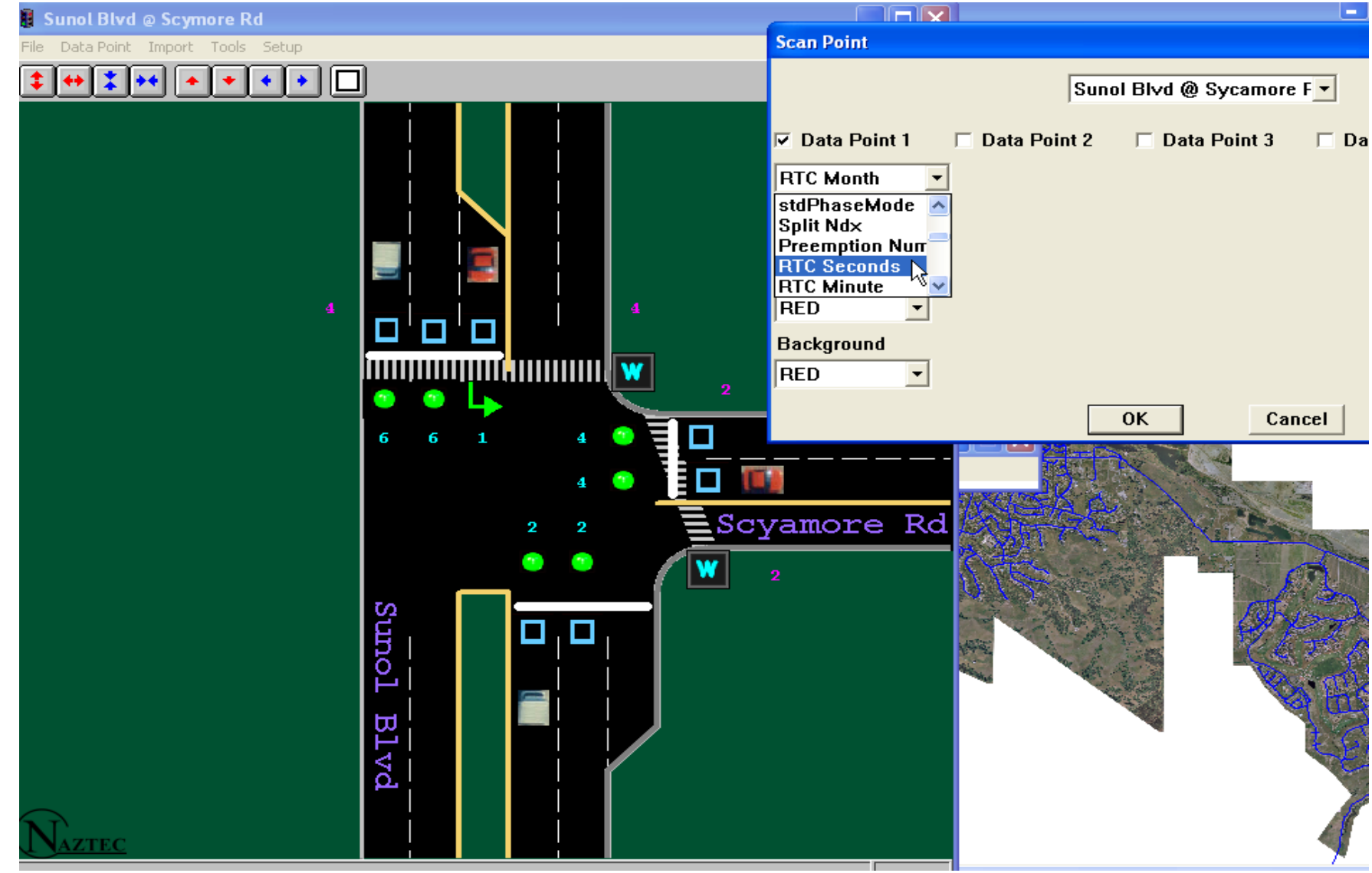
Size (Max Width,Max Height)

- ○ Small (400,400)
- ○ Medium (550,550)
- ◉ Large (670,670)
- ○ Custom

Create and Close | Create and Open | Cancel

Once the Scan Screen has been created

- You can edit it
- Use an existing bitmap as the background
- Change icons
- Add additional icons
- Add textual icons such as timers, Coordination info, etc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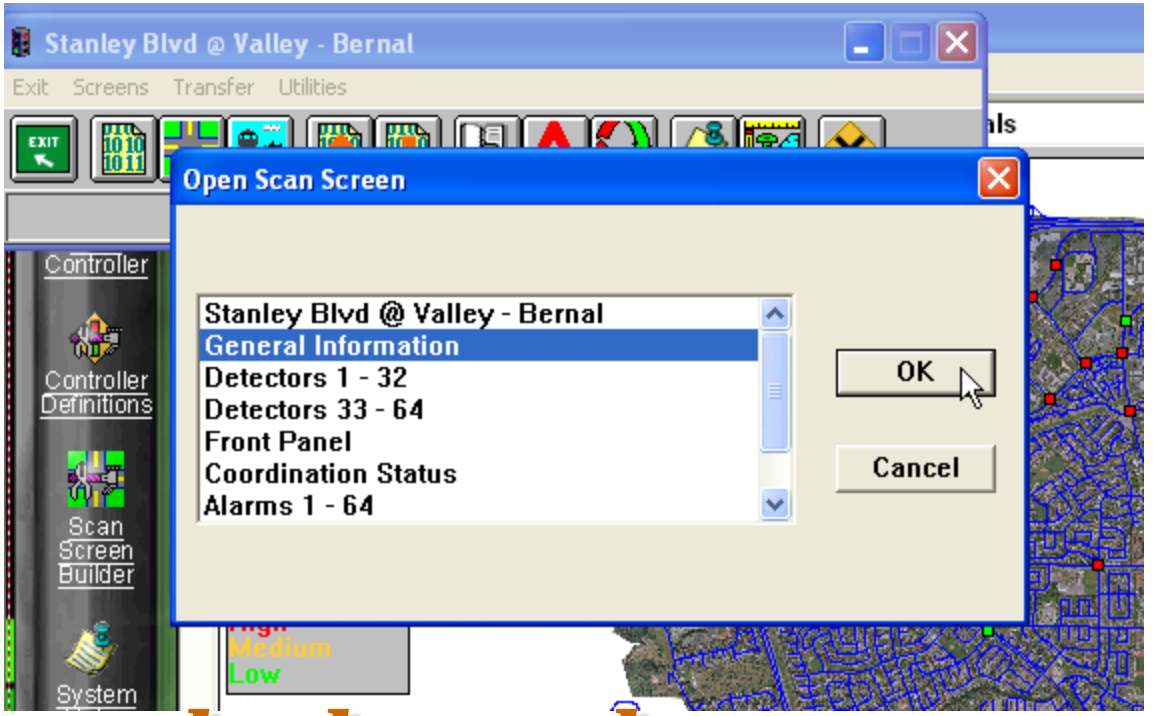
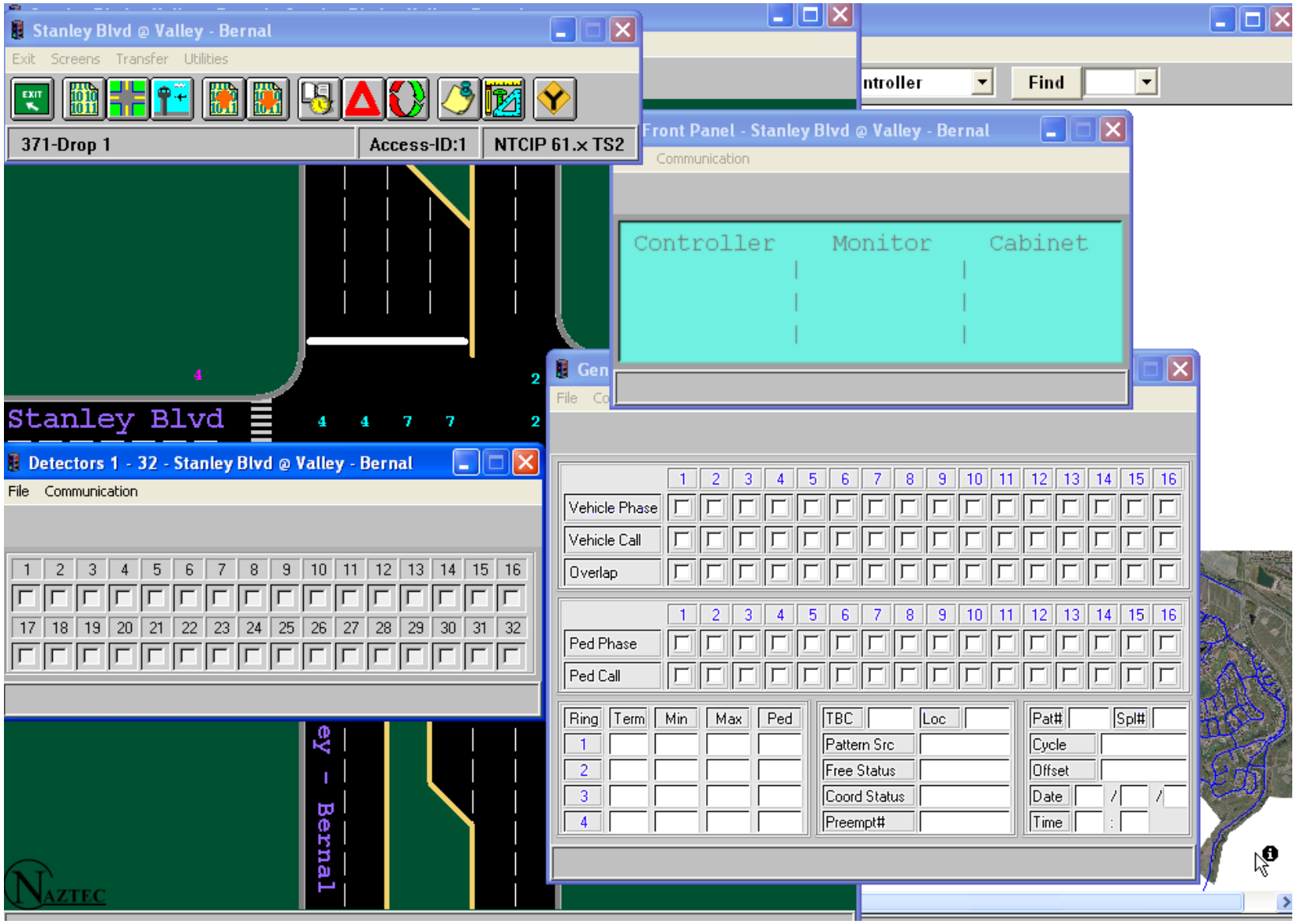
ATMS Solutions
Sunol Blvd @ Scymore Rd
File
Data Point
Import
Tools
Setup
Scan Point
Sunol Blvd @ Sycamore F
Data Point 1
Data Point 2
Data Point 3
Da
RTC Month
stdPhaseMode
Split Ndx
Preemption Num
RTC Seconds
RTC Minute
RED
Background
RED
OK
Cancel
Scyamore Rd
Sunol Blvd
NAZTEC

Various Scan screens can be created and chosen for display by the user



They also can be brought up simultaneously for viewing purposes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ATMS Solutions
Stanley Blvd @ Valley - Bernal
Exit Screens Transfer Utilities
371-Drop 1
Access-ID:1
NTCIP 61.x TS2
Front Panel - Stanley Blvd @ Valley - Bernal
Communication
Controller
Monitor
Cabinet
Find
Stanley Blvd
Detectors 1 - 32 - Stanley Blvd @ Valley - Bernal
File Communication
Vehicle Phase
Vehicle Call
Overlap
Ped Phase
Ped Call
Ring Term Min Max Ped
TBC Loc
Pattern Src
Free Status
Coord Status
Preempt#
Pat# Spl#
Cycle
Offset
Date
Time
Bernal
NAZTEC