

Introduction to PtMS IS - the Interactive Scheduler

The PTMS Interactive Scheduler is an automated schedule tool for PtMS for Windows that allows users to perform automated scheduling, trip editing, client lookups in a Windows based interface.

An online video with sound that demonstrates the basic features of the PTMS Interactive Scheduler can be viewed by click on this link: www.tsa-fl.com/ISDemo.html

Table of Contents

Introduction to PtMS IS - the Interactive Scheduler	1
Table of Contents.....	2
Setup and Configuration	4
Parameters	5
Color Codes	7
Database Setup.....	10
Selecting the Schedule Date for Editing Schedules	11
Loading a Schedule Date	11
Updating a Schedule Date.....	11
Scheduling Basics	12
Editing Schedule Times	12
Removing a Trip from a Schedule	13
Adding a Trip to a Schedule	14
Last Vehicle	20
Moving Trips from Vehicle To Vehicle.....	20
Cancelling Trips.....	21
Search-Edit Screen - Browsing All Trip Records.....	23
Searching for a Trip Record.....	24
Database Operations	27
Client Records	28
Displaying Client Record for a Selected Trip.....	28
Browsing All Client Records.....	29
Destinations.....	31
Mapping	32
Mapping Trip Records and Vehicle Routes.....	33
Streets 2006 Map Software.....	33
Select Maps to Open in Streets.....	34
Accessing the Map Commands.....	37
Map Commands Summary	38
Highlighting Trips	39
Routing Trips	39
Route Reports	40
Optimizing Schedules	43
Route Optimization	43
Route Optimization Example	45
Trip Swapping	49
Trip Swapping Procedures.....	49
Reports	54
Increasing Windows Virtual Memory to Improve Reporting	54
Vehicle Manifest in Stop Order.....	57
Vehicle Performance	60
Vehicle Manifest	63
Sample Report	64
Options	66
Customization	67
Dispatcher's Report.....	68

Sample Report	68
Options	69
Customization	70
ABS Support	71
On-Line Help.....	71
Remote Desktop Support	71

Setup and Configuration

Setup and Configuration operations prepare PtMS IS for live operation.

Scheduling Parameters and color codes for trip record conditions can be adjusted for schedule operation. Database setup tasks needed to support schedule operation can also be completed.

Parameters

From the View Menu, select Parameters to display the parameter settings:

Parameters - C:\Program Files\ABS\PtMSIS\parameters.txt

Boarding/Discharge Times

	AMB		WC	
	Take	Ret	Take	Ret
Board	1:00	1:00	3:00	3:00
Discharge	1:00	1:00	1:00	1:00

Time in minutes:seconds (eg 3:30)

Peak Hours

	Start	End
First	0600	0900
Second	1500	1800

Use 24hr time (eg 1400)

Penalty Calculation

Select Penalty Type:

Up To	Points
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>

Auto Recalculate Return Drop Offs ☐

Show All Files in Open List ☒

Zones

Miles / Zone NS:

Miles / Zone EW:

South to North: (A or D)

Reference Zone:

GISX:

GISY:

Speed

Off Peak		Peak	
Up To Dist	MPH	Up To Dist	MPH
<input type="text" value="5"/>	<input type="text" value="28"/>	<input type="text" value="5"/>	<input type="text" value="28"/>
<input type="text" value="30"/>	<input type="text" value="35"/>	<input type="text" value="30"/>	<input type="text" value="35"/>
<input type="text"/>	<input type="text" value="40"/>	<input type="text"/>	<input type="text" value="40"/>

Distance Calculation

Up To	Frac	M
<input type="text" value="5"/>	<input type="text" value="0.5"/>	<input type="text" value="XY"/>
<input type="text"/>	<input type="text"/>	<input type="text" value="D"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>

Early Pickup

Take	Ret
<input type="text" value="5:00"/>	<input type="text" value="0:00"/>

Trip Verification

☐ Times Required

☐ Mark All Trips Complete

☐ No ☒ Visible ☐ All

☒ Show Popup on Cancel Take Trip

☐ Replicate Driver

Okay Cancel

Parameters allow users to customize the scheduling solutions provided by the Interactive Scheduler to insure they meet local needs.

Travel Time Parameters

- Boarding/Discharge Times
- Speeds
- Peak Hours
- Early Pickup

Distance Parameters

These parameters impact the estimated time of travel between stops in any schedule.

- Distance Calculation
- Zones

These parameters impact the estimated travel distance between stops in any schedule.

Any adjustments to these parameters is instantly reflected in all schedules in the Interactive Scheduler.

Penalty Calculation - How to define a "Good" vehicle schedule selection

The Penalty Calculation parameters are used to rank the best to worst vehicle selections by inserting the trip into each vehicle schedule, then evaluating how well the trip "fits" and how it impacts the other trips in the schedule.

A new trip "fits" well into an existing schedule if the trip is on-time for pickup and drop-off times, and it adds a minimum of travel time and distance to the vehicle's existing schedule.

A new trips "impact" on the existing schedule is measured by whether the existing trips on-time performance is compromised and whether the existing trips travel time is unreasonably extended.

The Penalty Calculation parameters measure the "fit" and "impact" characteristics of the trip on each schedule then combine them into a single Penalty Score. The lower the score the better the trip fits into that vehicle's schedule.

Here is a list of the Penalty Calculation parameters:

- Add Miles
- Pickup Before Shift
- Drop After Shift
- Pickup Late on Take
- Drop Late on Take
- Pickup Late on Return
- Drop Late on Return
- Over Capacity Ambulatory
- Over Capacity Wheel Chair
- Over Capacity Wheel Chair (if WC=0)
- Long Trip (Trip Exceeds established limit of minutes per trip)

Penalty scores are grouped into categories - Excellent, Good, Average, and Poor. These 4 categories are Color Coded for easy recognition (see [Color Codes](#)).

For additional help on adjusting parameters refer to the on-line video at www.abs-pa.com/demos/online/ptmsis/ptmsis_parameters.html.

Color Codes

Color codes provide a mean for the scheduler to identify specific schedule characteristics or events rapidly and intuitively.

To adjust color codes or view the existing color code settings, select Help on the menu bar then select Color Codes to display the following screen:

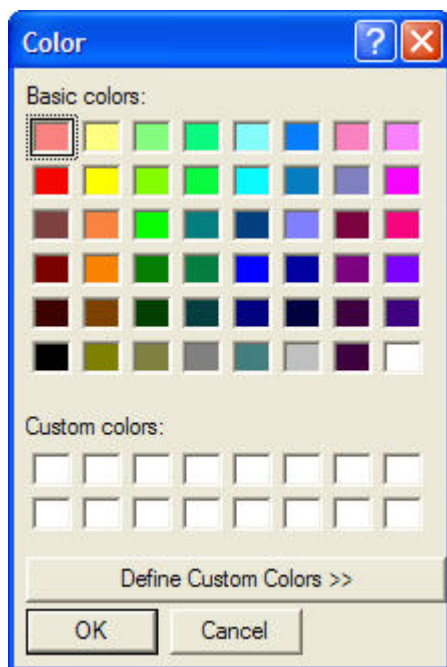
The dialog box titled "Color Coding" contains a list of trip status categories, each with a corresponding color-coded bar. Below this list is a "Trip Quality Evaluation" section with a table for adjusting penalties and color codes. At the bottom, there is a note about changing colors.

Category	Color
Trial Trip	Light Green
Vehicle whose Trips are Displayed	Light Green
Reassigned Trip	Light Orange
Blocked Out	Light Gray
Over Capacity	Orange
Not GeoCoded	Yellow-Orange
Bad GIS	Pink
Error	Magenta
Cancelled Trip	Light Pink
No Show	Yellow
Long Trip	Olive Green

Trip Quality Evaluation	
Max Penalty	Color Code
25	Excellent (Blue)
40	Good (Green)
60	Average (Yellow)
0	Poor (Pink)

To change the color used to highlight information, click the appropriate button above.

You can adjust the color code assigned to a schedule characteristic or event by double clicking on it to display the color chart. Click on a color to select and change it.

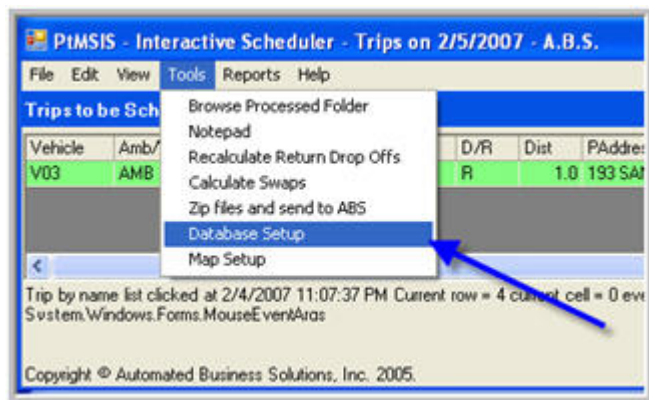


Database Setup

Once the SQL Express database is installed on the file server or workstation, the SQL database must be setup for the Interactive Scheduler. This setup step just connects the PtMSIS Interactive Scheduler to the PtMS for Windows SQL database

To setup the database for PtMS IS operations follow these steps:

1. Go to the Tools/Database Setup screen in PtMS IS:



2. Enter the username and password for the PtMS for Windows SQL Server Express. The username is "ptms" and the password is "abs". Enter both in lower case.
3. In the Step 2 selection box enter the name of your SQL Server Express server. This should be the computer name or server followed by a "\" then "ABS":
4. Next select the name of the database. Enter "PTMS" in the Step 3 selection box.
5. Select OK to complete the Database Setup and close the setup window.

Selecting the Schedule Date for Editing Schedules

Currently users must select a schedule day/date from PtMS and export or send the schedule to the PtMS IS Interactive Scheduler. This operation only takes 10-30 seconds to complete. When scheduling tasks are completed in PtMS IS, the PtMS schedule database must be updated with the schedule results. This operation only takes a few seconds to complete.

Both of these tasks are accomplished using the PtMS IS Data Exchange. A soon to be released SQL version of PtMS will no longer require this step since the entire database will be in SQL in this version and transport of schedule results between the 2 databases will no longer be necessary.

Loading a Schedule Date

A Schedule date must first be loaded into the Interactive Scheduler before the user can edit the schedule. Click on the down arrow in the Select Schedule Date box to display the calendar. Select the schedule date then click on the button "Load Schedule Date" to display the schedule data in the Interactive Scheduler.

Updating a Schedule Date

All changes to vehicle schedules are saved automatically on the Interactive Scheduler screen. If the user closes the Interactive Scheduler and re-opens it, or opens another schedule date and returns to a schedule in progress, the changes will be saved and displayed on the screen.

However, schedule changes made in the Interactive Scheduler must be sent to the PtMS SQL data base so the PtMS data base schedule reflects all the changes made in the Interactive Scheduler. This update should be performed periodically throughout the day if you are working with the scheduler regularly or when you have completed a schedule session with a specific schedule date.

Updating PtMS SQL database with the Interactive Scheduler results does not require the user to close the Interactive Scheduler, simply select the button "Update Schedule" in the top right corner of the Trips to Be Schedule window and the update is complete.

We recommend you reload the schedule date using the "Load Schedule" button after performing an update. This will insure that any new trip requests that have been added since the schedule date was last loaded are displayed on the screen.

Scheduling Basics

Included in this section:

- **How to edit a vehicle's schedule times**
- **How to remove a trip from an existing schedule for rescheduling**
- **How to add a trip to a vehicle's schedule**

The last item involves the mechanics of selecting a vehicle option for an unscheduled trip and adding it to the vehicles schedule.

For a more detailed explanation of how to evaluate vehicle rankings (excellent, good, average, poor) refer to the web tutorial [Selecting the Best Vehicle and Adding an Unscheduled Trip to a Vehicle's Schedule](#)

Editing Schedule Times

Click on a Vehicle in the Vehicle List window to display the schedule for the Vehicle.

PtMSIS - Interactive Scheduler - Trips on 7/3/2006 - A.B.S.

File Edit View Tools Reports Help

Trips to be Scheduled

Vehicle	Amb/WC	Name	T/R	D/R	Dist	PAddress	PickUp	OPickUp	PZone	DAddress
999	AMB	F				PROV TOWNSHIP BLDG	1215	1215	508497	490 GLENWOOD LN
999	AMB	H				SANDY BANK RD	1130	1130	509499	MEDIA THEATRE
999	AMB	F				GLENWOOD LN	0924	0915	492501	UPPER PROV TOWNSHIP BLDG
999	AMB	H				THEATRE	1530	1530	499499	193 SANDY BANK RD
EAS	AMB	A				SANDY BANK RD	0845	0845	511500	RIDDLE MEMORIAL HOSPITAL

Providers

- ☐ ABC - ABC TRANSPORTATION
- ☐ EAS - EASY TRANSPORTATION
- ☐ MSS - MEDIA SHUTTLE SERVICE
- ☐ STS - SPECIAL TRANSPORT
- ☐ XYZ - XYZ CAB INC

Click on a vehicle to display the schedule

Remove Ref Trip

Version 2.27

Vehicle List

Vehicle	Desc	TotMi	XDist	TrTime	XTime	Penalty	SvcMi	SvcMi%	TotTime	SvcTime	SvcTime%	Trips	Trips/Hr	STime1	ETime1	Amb	WC	GISX
EAS	EASY TRANSPORTATION	9.2	.0	00:19	00:00	.0	7.9	85.8	14:00	00:20	2.5	2	.1	0600	2000	99	0	120573628
V01	VAN 01	28.0	.0	00:59	00:00	.0	16.6	59.6	12:00	01:25	11.9	6	5	0600	1800	10	2	120573628
V02	VAN 02	8.7	.0	00:18	00:00	.0	6.1	70.0	12:00	00:17	2.4	2	2	0600	1800	10	2	120573628
V03	VAN V03	5.9	.0	00:12	00:00	.0	5.9	100.0	10:00	00:16	2.8	2	2	0800	1800	5	0	120573628
XYZ	XYZ CAB INC	19.9	.0	00:42	00:00	.0	5.8	28.8	22:00	00:18	1.4	3	.1	0100	2300	99	0	120573628

Trips for Vehicle EAS - EASY TRANSPORTATION

STime	OSTime	Arr	Dwell	Dep	Dist	Penalty	Blk	Time	Amb	WC	P/D	T/R	Swp	D/R	Zone	Name	Address	City	GISX
0600	0600	0600	0:00	0600	.0	.0		*	0	0	P	R		R	000000	Start Shift			120573628
0832	0830	0601	1:00	0828	.7	.0		00:09	1	0	P	T	N	R	496498	CARTER, JIMMY	60 W LINCOLN ST	MEDIA	12056381
0905	0900	0836	1:00	0837	4.0	.0		00:09	0	0	D	T	N	R	530487	CARTER, JIMMY	DELAWARE CO COMM COLLEGE	MARPLE	12054221
1155	1200	0837	1:00	1156	.0	.0		00:09	1	0	P	R	N	R	530487	CARTER, JIMMY	DELAWARE CO COMM COLLEGE	MARPLE	12054221
1209	1230	1204	1:00	1205	4.0	.0		00:09	0	0	D	R	N	R	496498	CARTER, JIMMY	60 W LINCOLN ST	MEDIA	12056381
2000	2000	1206	0:00	1206	.7	.0		*	0	0	D	R		R	000000	End Shift			120573628

Click in any Scheduled Times field value (STime column) to edit the time. The OSTime column is the Original Scheduled (aka Default Time or Appointment Time) and is available as a reference. Once the time is edited click outside the field to save the time change.

Trips for Vehicle EAS - EASY TRANSPORTATION

STime	OSTime	Arr	Dwell	Dep	Dist	Penalty	Blk	Time	Amb	WC	P/D	T/R	Swp	D/R	Zone	Name	Address	City	GISX
0600	0600	0600	0:00	0600	.0	.0		*	0	0	P	R		R	000000	Start Shift			120573628
0832	0830	0601	1:00	0828	.7	.0		00:09	1	0	P	T	N	R	496498	CARTER, JIMMY	60 W LINCOLN ST	MEDIA	12056381
0905	0900	0836	1:00	0837	4.0	.0		00:09	0	0	D	T	N	R	530487	CARTER, JIMMY	DELAWARE CO COMM COLLEGE	MARPLE	12054221
1155	1200	0837	1:00	1156	.0	.0		00:09	1	0	P	R	N	R	530487	CARTER, JIMMY	DELAWARE CO COMM COLLEGE	MARPLE	12054221
1209	1230	1204	1:00	1205	4.0	.0		00:09	0	0	D	R	N	R	496498	CARTER, JIMMY	60 W LINCOLN ST	MEDIA	12056381
2000	2000	1206	0:00	1206	.7	.0		*	0	0	D	R		R	000000	End Shift			120573628

Removing a Trip from a Schedule

To remove a trip from a vehicle's schedule:

Trips for Vehicle EAS - EASY TRANSPORTATION																			
STime	OStime	Arr	Dwell	Dep	Dist	Penalty	Blk	Time	Amb	WC	P/D	T/R	Swp	D/R	Zone	Name	Address	City	GISX
0600	0600	0600	0:00	0600	.0	.0	<input type="checkbox"/>	*	0	0	P	R		R	000000	Start Shift			1205736
0832	0830	0601	1:00	0828	.7	.0	<input type="checkbox"/>	00:30	1	0	P	T	N	R	496498	CARTER, JIMMY	60 W LINCOLN ST	MEDIA	1205638
0832	0830	0601	1:00	0828	1.6	.0	<input type="checkbox"/>	00:07	2	0	P	T	N	R	511500	ADAMS, JOHN	527 SANDY BANK RD	MEDIA	1205675
0909	0909	0601	1:00	0909	3.1	.0	<input type="checkbox"/>	00:07	1	0	D	T	N	R	493479	ADAMS, JOHN	RIDDLE MEMORIAL HOSPITAL	MEDIA	1205252
0909	0909	0601	1:00	0909	4.2	.0	<input type="checkbox"/>	00:30	0	0	D	T	N	R	530487	CARTER, JIMMY	DELAWARE CO COMM COLLEGE	MARPLE	1205422
1109	1109	0601	1:00	1109	.0	.0	<input type="checkbox"/>	00:09	1	0	P	R	N	R	530487	CARTER, JIMMY	DELAWARE CO COMM COLLEGE	MARPLE	1205422
1209	1230	1204	1:00	1205	4.0	.0	<input type="checkbox"/>	00:09	0	0	D	R	N	R	496498	CARTER, JIMMY	60 W LINCOLN ST	MEDIA	1205638
2000	2000	1206	0:00	1206	.7	.0	<input type="checkbox"/>	*	0	0	D	R		R	000000	End Shift			1205736

PMSIS - Interactive Scheduler - Trips on 7/3/2006 - A.B.S.

File Edit View Tools Reports Help

Trips to be Scheduled

Vehicle	Amb/WC	Name	T/R	D/R	Dist	PAddress	PickUp	PZone	DAddress
999	AMB	FORD, GERALD	R	R	1.8	UPPER	0915	508497	490 GLENWOOD LN
999	AMB	HOOVER, HERBERT	T	R	1.0	193 SANDY BANK RD	0930	509499	MEDIA THEATRE
999	AMB	FORD, GERALD	T	R	1.8	490 GLENWOOD LN	0915	492501	UPPER PROV TOWNSHIP BLDG
999	AMB	HOOVER, HERBERT	R	R	1.0	MEDIA THEATRE	1530	499499	193 SANDY BANK RD
EAS	AMB	ADAMS, JOHN	T	R	3.1	527 SANDY BANK RD	0845	0845	511500 RIDDLE MEMORIAL HOSPITAL

Providers

- ☐ ABC - ABC TRANSPORTATION
- ☐ EAS - EASY TRANSPORTATION
- ☐ MSS - MEDIA SHUTTLE SERVICE
- ☐ STS - SPECIAL TRANSPORTATION
- ☐ XYZ - XYZ CAB INC

Removed trip is available for rescheduling

Remove Ref Trip

Version 2.27

Vehicle List

Vehicle	Desc	TotMi	XDist	TrTime	XTime	Penalty	SvcMi	SvcMi%	TotTime	SvcTime	SvcTime%	Trips	Trips/Hr	STime1	ETime1	Amb	WC	GISX
EAS	EASY TRANSPORTATION	9.2	.0	00:19	00:00	.0	7.9	85.8	14:00	00:20	2.5	2	.1	0600	2000	99	0	120573628
V01	VAN 01	28.0	.0	00:59	00:00	.0	16.6	59.6	12:00	01:25	11.9	6	.5	0600	1800	10	2	120573628
V02	VAN 02	8.7	.0	00:18	00:00	.0	6.1	70.0	12:00	00:17	2.4	2	.2	0600	1800	10	2	120573628
V03	VAN V03	5.9	.0	00:12	00:00	.0	5.9	100.0	10:00	00:16	2.8	2	.2	0800	1800	5	0	120573628
XYZ	XYZ CAB INC	19.9	.0	00:42	00:00	.0	5.8	28.8	22:00	00:18	1.4	3	.1	0100	2300	99	0	120573628

Trips for Vehicle EAS - EASY TRANSPORTATION

STime	OSTime	Arr	Dwell	Dep	Dist	Penalty	Blk	Time	Amb	WC	P/D	T/R	Swp	D/R	Zone	Name	Address	City	GISX
0600	0600	0600	0:00	0600	.0	.0	<input type="checkbox"/>	*	0	0	P	R		R	000000	Start Shift		MEDIA	1205736
0832	0830	0601	1:00	0828	.7	.0	<input type="checkbox"/>	00:09	1	0	P	T	N	R	496498	CARTER, JIMMY	60 W LINCOLN ST	MEDIA	1205638
0905	0900	0836	1:00	0837	4.0	.0	<input type="checkbox"/>	00:09	0	0	D	T	N	R	530487	CARTER, JIMMY	DELAWARE CO COMM COLLEGE	MARPLE	1205422
1155	1200	0837	1:00	1156	.0	.0	<input type="checkbox"/>	00:09	1	0	P	R	N	R	530487	CARTER, JIMMY	DELAWARE CO COMM COLLEGE	MARPLE	1205422
1209	1230	1204	1:00	1205	4.0	.0	<input type="checkbox"/>	00:09	0	0	D	R	N	R	496498	CARTER, JIMMY	60 W LINCOLN ST	MEDIA	1205638
2000	2000	1206	0:00	1206	.7	.0	<input type="checkbox"/>	*	0	0	D	R		R	000000	End Shift		MEDIA	1205736

Step 1. Click on an unscheduled trip in the "Trips to Be Scheduled" Window.

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File Edit View Tools Reports Help

Trips to be Scheduled

Vehicle	Amb/WC	Name	T/R	D/R	Dist	PA	Address
999	AMB	FORD, GERALD	R	R	1.8	UPPER PROV TOWNSHIP	1215 1215 508497 490 GLENWOOD LN
999	AMB	HOOVER, HERBERT	T	R	1.0	193 SANDY BANK RD	1130 1130 509499 MEDIA THEATRE
999	AMB	FORD, GERALD	T	R	1.8	490 GLENWOOD LN	0924 0915 492501 UPPER PROV TOWNSHIP BLDG
999	AMB	HOOVER, HERBERT	R	R	1.0	MEDIA THEATRE	1530 1530 499499 193 SANDY BANK RD
EAS	AMB	ADAMS, JOHN	T	R	3.1	527 SANDY BANK RD	0845 0845 511500 RIDDLE MEMORIAL HOSPITAL

Providers

- ☐ ABC - ABC TRANSPORTATK
- ☐ EAS - EASY TRANSPORTATI
- ☐ MSS - MEDIA SHUTTLE SER
- ☐ STS - SPECIAL TRANSPORT
- ☐ XYZ - XYZ CAB INC

Click on a trip to schedule it on every vehicle

Reference Trip list clicked at 7/11/2006 6:24:36 PM Current row = -1 current cell = 0 Swap Threshold = 714.753638575

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Vehicle List

Vehicle	Desc	TotMi	XDist	TrTime	XTime	Penal	SvcMi	SvcMi%	TotTime	SvcTime	SvcTime%	Trips	Trips/Hr	STime1	ETime1	Amb	WC	GISX
V02	VAN 02	8.7	.3	00:18	00:00	-4.1	7.1	81.1	12:00	00:21	2.9	3	.3	0600	1800	10	2	120573628
V01	VAN 01	28.0	2.7	00:59	00:03	10.9	18.3	65.6	12:00	01:28	12.3	7	.6	0600	1800	10	2	120573628
XYZ	XYZ CAB INC	19.9	7.2	00:42	00:15	41.9	14.0	70.0	22:00	01:00	4.6	4	.2	0100	2300	99	0	120573628
EAS	EASY TRANSPORTATION	9.2	.2	00:19	00:00	65.7	8.1	87.5	14:00	00:23	2.8	3	.2	0600	2000	99	0	120573628
V03	VAN V03	5.9	.9	00:12	00:01	714.8	6.8	115.5	10:00	00:20	3.4	3	.3	0800	1800	5	0	120573628

Trips for Vehicle V02 - VAN 02

STime	OSTime	Arr	Dwell	Dep	Dist	Penalty	Blk	Time	Amb	WC	P/D	T/R	Swp	D/R	Zone	Name	Address	City	GISX
0600	0600	0600	0:00	0600	.0	.0		*	0	0	P	R		R	000000	Start Shift			12057362
0835	0845	0602	1:00	0831	1.3	.0		00:07	1	0	P	T	N	R	511500	ADAMS, JOHN	527 SANDY BANK RD	MEDIA	12056757
0845	0900	0837	1:00	0838	3.1	.0		00:07	0	0	D	T	N	R	493479	ADAMS, JOHN	RIDDLE MEMORIAL HOSPITAL	MEDIA	12052522
1050	1100	0838	1:00	1051	.0	.0		00:07	1	0	P	R	N	R	493479	ADAMS, JOHN	RIDDLE MEMORIAL HOSPITAL	MEDIA	12052522
1103	1115	1057	1:00	1058	3.1	.0		00:07	0	0	D	R	N	R	511500	ADAMS, JOHN	527 SANDY BANK RD	MEDIA	12056757
1130	1130	1059	1:00	1126	.3	.0		00:39	1	0	P	T	N	R	509499	HOOVER, HERBERT	193 SANDY BANK RD	MEDIA	12056552
1200	1200	1128	1:00	1129	1.0	.0		00:39	0	0	D	T	N	R	499499	HOOVER, HERBERT	MEDIA THEATRE	MEDIA	12056687
1800	1800	1129	0:00	1129	.3	.0		*	0	0	D	R		R	000000	End Shift			12057362

Step 2. Review how PtMS IS has scheduled the trip and ranked the best to worst vehicle options.

[Color Codes](#) provide schedulers with a means for instantly identifying the best vehicle options.

PtMSIS - Interactive Scheduler - Trips on 7/3/2006 - A.B.S.

File Edit View Tools Reports Help

Trips to be Scheduled

Vehicle	Amb/WC	Name	T/R	D/R	Dist	PAddress	PickUp	OPickUp	PZone	DAddress
999	AMB	HOOVER, HERBERT	T	R	1.0	193 SANDY BANK RD	1130	1130	509499	MEDIA THEATRE
999	AMB	FORD, GERALD	T	R	1.8	490 GLENWOOD LN	0924	0915	492501	UPPER PROV TOWNSHIP BLDG
EAS	AMB	ADAMS, JOHN	T	R	3.1	527 SANDY BANK RD	0845	0845	511500	RIDDLE MEMORIAL HOSPITAL
999	AMB	HOOVER, HERBERT	R	R	1.0	MEDIA THEATRE	1530	1530	499499	193 SANDY BANK RD
999	AMB					UPPER PROV TOWNSHIP BLDG	1215	1215	508497	490 GLENWOOD LN

Providers

- ☐ ABC - ABC TRANSPORTATI
- ☐ EAS - EASY TRANSPORTAT
- ☐ MSS - MEDIA SHUTTLE SEF
- ☐ STS - SPECIAL TRANSPOR
- ☐ XYZ - XYZ CAB INC

Click on a vehicle in the vehicle list to display it's schedule

Remove Ref Trip

Version 2.2

Vehicle List

Vehicle	Desc	TotMi	XDist	TrTime	XTime	Penal	SvcMi	Trips/Hr	STime1	ETime1	Amb	WC	GISX
V02	VAN 02	8.7	3	00:18	00:00	-4.1	7.3	3	0600	1800	10	2	12057362
V01	VAN 01	28.0	2.7	00:59	00:03	10.3		7	0600	1800	10	2	12057362
XYZ	XYZ CAB INC	19.9	7.2	00:42	00:15	41.9		4	0100	2300	99	0	12057362
EAS	EASY TRANSPORTATION	9.2	2	00:19	00:00	65.7		3	0600	2000	99	0	12057362
V03	VAN V03	5.9	9	00:12	00:01	714.8		3	0800	1800	5	0	12057362

The "trial" addition of the trip you are scheduling will be displayed in green in each vehicle's schedule. Any adjustments to existing trips will be displayed as well.

Trips for Vehicle V02 - VAN 02

STime	OSTime	Arr	Dwell	Dep	Dist	Penalty	Blk	Time	Amb	WC	Address	City	GISX
0600	0600	0600	0:00	0600	.0	.0		*	0	0			12057362
0835	0845	0602	1:00	0831	1.3	.0		00:07	1	0	527 SANDY BANK RD	MEDIA	12056757
0845	0900	0837	1:00	0838	3.1	.0		00:07	0	0	RIDDLE MEMORIAL HOSPITAL	MEDIA	12052522
1050	1100	0838	1:00	1051	.0	.0		00:07	1	0	RIDDLE MEMORIAL HOSPITAL	MEDIA	12052522
1103	1115	1057	1:00	1058	3.1	.0		00:07	0	0	527 SANDY BANK RD	MEDIA	12056757
1130	1130	1059	1:00	1126	.3	.0		00:39	1	0	193 SANDY BANK RD	MEDIA	12056552
1200	1200	1128	1:00	1129	1.0	.0		00:39	0	0	MEDIA THEATRE	MEDIA	12056687
1800	1800	1129	0:00	1129	.3	.0		*	0	0	End Shift		12057362

Step 4. Adjust Pickup and Drop-Times if needed and return to Step 2

Pickup Times can be adjusted by using the [Editing Schedule Times](#) feature.

Step 5. Select your vehicle choice and add the trip to the vehicle's schedule

PtMSIS - Interactive Scheduler - Trips on 7/3/2006 - A.B.S.

File Edit View Tools Reports Help

Trips to be Scheduled

Vehicle	Amb/WC	Name	T/R	D/R	Dist	PAddress	PickUp	OPickUp	PZone	DAddress
999	AMB	HOOVER, HERBERT	T	R	1.0	193 SANDY BANK RD	1130	1130	509499	MEDIA THEATRE
999	AMB	FORD, GERALD	T	R	1.8	490 GLENWOOD LN	0924	0915	492501	UPPER PROV TOWNSHIP BLDG
EAS	AMB					SANDY BANK RD	0845	0845	511500	RIDDLE MEMORIAL HOSPITAL
999	AMB					THEATRE	1530	1530	499499	193 SANDY BANK RD
999	AMB					PROV TOWNSHIP BLDG	1215	1215	508497	490 GLENWOOD LN

Providers

- ☐ ABC - ABC TRANSPORTATION
- ☐ EAS - EASY TRANSPORTATION
- ☐ MSS - MEDIA SHUTTLE SERVICE
- ☐ STS - SPECIAL TRANSPORTATION
- ☐ XYZ - XYZ CAB INC

Right click on the vehicle number and left click on Add Trip to insert the trip in the schedule

Mouse down at 7/11/2006 05:22

Remove Ref Trip

Version 2.28

Vehicle List

Vehicle	Desc	AMi	XDist	TrTime	XTime	Penal	SvcMi	SvcMi%	TotTime	SvcTime	SvcTime%	Trips	Trips/Hr	STime1	ETime1	Amb	WC	GISX	
V02		8.7	.3	00:18	00:00	-4.1	7.1	81.1	12:00	00:21		2.9	3	.3	0600	1800	10	2	120573628
V01		28.0	2.7	00:59	00:03	10.9	18.3	65.6	12:00	01:28		12.3	7	.6	0600	1800	10	2	120573628
XYZ	XYZ CAB INC	19.9	7.2	00:42	00:15	41.9	14.0	70.0	22:00	01:00		4.6	4	.2	0100	2300	99	0	120573628
EAS	EASY TRANSPORTATION	9.2	2	00:19	00:00	65.7	8.1	87.5	14:00	00:23		2.8	3	.2	0600	2000	99	0	120573628
V03	VAN V03	5.9	.9	00:12	00:01	714.8	6.8	115.5	10:00	00:20		3.4	3	.3	0800	1800	5	0	120573628

Add Trip to this Vehicle

Trips for Vehicle V02 - VAN 02

STime	OSTime	Arr	Dwell	Dep	Dist	Penalty	Blk	Time	Amb	WC	P/D	T/R	Swp	D/R	Zone	Name	Address	City	GISX
0600	0600	0600	0:00	0600	.0	.0		*	0	0	P	R		R	000000	Start Shift			12057362
0835	0845	0602	1:00	0831	1.3	.0		00:07	1	0	P	T	N	R	511500	ADAMS, JOHN	527 SANDY BANK RD	MEDIA	12056757
0845	0900	0837	1:00	0838	3.1	.0		00:07	0	0	D	T	N	R	493479	ADAMS, JOHN	RIDDLE MEMORIAL HOSPITAL	MEDIA	12052522
1050	1100	0838	1:00	1051	.0	.0		00:07	1	0	P	R	N	R	493479	ADAMS, JOHN	RIDDLE MEMORIAL HOSPITAL	MEDIA	12052522
1103	1115	1057	1:00	1058	3.1	.0		00:07	0	0	D	R	N	R	511500	ADAMS, JOHN	527 SANDY BANK RD	MEDIA	12056757
1130	1130	1059	1:00	1126	.3	.0		00:39	1	0	P	T	N	R	509499	HOOVER, HERBERT	193 SANDY BANK RD	MEDIA	12056552
1200	1200	1128	1:00	1129	1.0	.0		00:39	0	0	D	T	N	R	499499	HOOVER, HERBERT	MEDIA THEATRE	MEDIA	12056687
1800	1800	1129	0:00	1129	.3	.0		*	0	0	D	R		R	000000	End Shift			12057362

Inserted Trips will appear in color throughout the scheduling session.

PtMSIS - Interactive Scheduler - Trips on 7/3/2006 - A.B.S.

File Edit View Tools Reports Help

Trips to be Scheduled

Vehicle	Amb/WC	Name	T/R	D/R	Dist	PAddress	PickUp	OPickUp	PZone	DAddress
999	AMB	FORD, GERALD	T	R	1.8	490 GLENWOOD LN	0924	0915	492501	UPPER PROV TOWNSHIP BLDG
EAS	AMB	ADAMS, JOHN	T	R	3.1	527 SANDY BANK RD	0845	0845	511500	RIDDLE MEMORIAL HOSPITAL
999	AMB	HOOVER, HERBERT	R	R	1.0	MEDIA THEATRE	1530	1530	499499	193 SANDY BANK RD
999	AMB	FORD, GERALD	R	R	1.8	UPPER PROV TOWNSHIP BLDG	1215	1215	508497	490 GLENWOOD LN

Providers

- ☐ ABC - ABC TRANSPORTATK
- ☐ EAS - EASY TRANSPORTATI
- ☐ MSS - MEDIA SHUTTLE SER
- ☐ STS - SPECIAL TRANSPORT
- ☐ XYZ - XYZ CAB INC

Add trip to vehicle
Add reference trip for HERBERT HOOVER at 11:30 to vehicle V02.

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Vehicle List

Vehicle	Desc	TotMi	XDist	TrTime	XTime	Penal	▲	SvcMi	SvcMi%	TotTime	SvcTime	SvcTime%	Trips	Trips/Hr	STime1	ETime1	Amb	WC	GISX	
EAS	EASY TRANSPORTATION	9.2	.0	00:19	00:00	.0		7.9	85.8	14:00	00:20		2.5	2	.1	0600	2000	99	0	120573628
V01	VAN 01	28.0	.0	00:59	00:00	.0		16.6	59.6	12:00	01:25		11.9	6	.5	0600	1800	10	2	120573628
V02	VAN 02	9.0	.0	00:19	00:00	.0		7.1	78.5	12:00	00:21		2.9	3	.3	0600	1800	10	2	120573628
V03	VAN V03	5.9	.0	00:12	00:00	.0		5.9	100.0	10:00	00:16		2.8	2	.2	0800	1800	5	0	120573628
XYZ	XYZ CAB INC	19.9	.0	00:42	00:00	.0		5.8	28.8	22:00	00:18		1.4	3	.1	0100	2300	99	0	120573628

Trips for Vehicle V02 - VAN 02

STime	OSTime	Arr	Dwell	Dep	Dist	Penalty	Blk	Time	Amb	WC	P/D	T/R	Swp	D/R	Zone	Name	Address	City	GISX
0600	0600	0600	0:00	0600	.0	.0	<input type="checkbox"/>	*	0	0	P	R		R	000000	Start Shift			12057362
0835	0845	0602	1:00	0831	1.3	.0	<input type="checkbox"/>	00:07	1	0	P	T	N	R	511500	ADAMS, JOHN	527 SANDY BANK RD	MEDIA	12056757
0845	0900	0837	1:00	0838	3.1	.0	<input type="checkbox"/>	00:07	0	0	D	T	N	R	493479	ADAMS, JOHN	RIDDLE MEMORIAL HOSPITAL	MEDIA	12052522
1050	1100	0838	1:00	1051	.0	.0	<input type="checkbox"/>	00:07	1	0	P	R	N	R	493479	ADAMS, JOHN	RIDDLE MEMORIAL HOSPITAL	MEDIA	12052522
1103	1114	1057	1:00	1058	3.1	.0	<input type="checkbox"/>	00:07	0	0	D	R	N	R	511500	ADAMS, JOHN	527 SANDY BANK RD	MEDIA	12056757
1130	1130	1059	1:00	1126	.3	.0	<input type="checkbox"/>	00:03	1	0	P	T	N	R	509499	HOOVER, HERBERT	193 SANDY BANK RD	MEDIA	12056552
1200	1200	1128	1:00	1129	1.0	.0	<input type="checkbox"/>	00:03	0	0	D	T	N	R	499499	HOOVER, HERBERT	MEDIA THEATRE	MEDIA	12056687
1800	1800	1129	0:00	1129	.3	.0	<input type="checkbox"/>	*	0	0	D	R		R	000000	End Shift			12057362

Last Vehicle

Trips to be Scheduled

Vehicle	Amb/WC	Name	T/R	D/R	Dist	PAddress	PCity	PickUp	DAddress	DCity	DropOff	OPickUp	ODropOff	Providers
A01		HERBERT	T	R	6.4	193 SANDY BANK RD	MEDIA	0845	CROZER CHESTER MED CENTER	CHESTER	0900	0815	0900	ABC - ABC TI EAS - EASY

Trips for Vehicle A01 - VAN

Vehicle	Tour	Desc	TotMi	XDist	TTime	XTime	Penalty	SvcMi	SvcMi%	TotTime	SvcTime	SvcTime%	Trips	Trips/Hr	STime1	ETime1	Amb	WC	GISX
A01	A01	VAN	17.2	.0	00:29	00:00	.0	17.2	100.0	12:00	00:53	7.4	5	4	0600	1800	5	1	0
E01	E01	VAN	11.2	.0	00:22	00:00	.0	11.2	100.0	12:00	00:39	5.5	6	5	0600	1800	5	1	0

Trips for Vehicle A01 - VAN

STime	P/D	OSTime	Arr	Dwell	Dep	Dist	Penalty	Blk	Time	Amb	WC	T/R	Swp	D/R	Zone	Name	Address	City
0600	P	0600	0600	0:00	0600	.0	.0		*	0	0	R		R	000000	Start Shift		
0830	P	0800	0600	2:00	0832	.0	.0		00:32	1	0	T	N	R	515522	JOHNSON, ANDREW	35 SHELBOURNE RD	SPRINGFIELD
0850	P	0815	0836	2:00	0852	2.6	.0		00:11	2	0	T	N	R	502499	JEFFERSON, THOMAS	86 E 5TH ST	MEDIA
0900	D	0900	0901	1:00	0902	5.8	1.3		00:11	1	0	T	N	R	445508	JEFFERSON, THOMAS	CROZER CHESTER MED CENTER	CHESTER
0900	D	0900	0902	0:30	0902	.0	3.3		00:32	0	0	T	N	R	445508	JOHNSON, ANDREW	CROZER CHESTER MED CENTER	CHESTER
1100	P	1100	0902	0:30	1100	.0	.0		00:13	1	0	R	N	R	445508	HOOVER, HERBERT	CROZER CHESTER MED CENTER	CHESTER
1100	P	1100	1100	0:30	1101	.0	.5		00:10	2	0	R	N	R	445508	JEFFERSON, THOMAS	CROZER CHESTER MED CENTER	CHESTER
1100	P	1100	1101	0:30	1101	.0	1.0		00:18	3	0	R	N	R	445508	JOHNSON, ANDREW	CROZER CHESTER MED CENTER	CHESTER
1115	D	1115	1110	1:00	1111	5.8	.0		00:10	2	0	R	N	R	502499	JEFFERSON, THOMAS	86 E 5TH ST	MEDIA
1125	D	1125	1113	1:00	1114	.6	.0		00:13	1	0	R	N	R	509499	HOOVER, HERBERT	193 SANDY BANK RD	MEDIA
1130	D	1130	1119	1:00	1120	2.4	.0		00:18	0	0	R	N	R	515522	JOHNSON, ANDREW	35 SHELBOURNE RD	SPRINGFIELD
1800	D	1800	1120	0:00	1120	.0	.0		*	0	0	T		R	000000	End Shift		

Moving Trips from Vehicle To Vehicle

One or more trips can be moved directly from one vehicle to a second vehicle. You can only move contiguous trips in a schedule, that is, trips that follow one after another. If there are multiple sets of contiguous trips to move, the moves will have to be performed several times moving each contiguous set of trips with each move.

To Move a set of contiguous trips from one vehicle to another vehicle:

1. Display the trips to move in the Trips for Vehicle window.
2. Left click and drag your mouse down to highlight the trips to move.
3. Right click on the vehicle in the Vehicle List and select "Move Trips to This Vehicle" to complete the move.

Vehicle List

Vehicle	Tour	Desc	TotMi	XDist	TrTime	XTime	Penalty	SvcMi	SvcMi%	TotTime	SvcTime	SvcTime%	Trips	Trips/Hr	STime1	ETime1	Amb	WC	GISX
A01	A01	VAN	17.6	.0	00:30	00:00	.0	17.6	100.0	12:00	00:54	7.5	6	.5	0600	1800	5	1	0
E01	E01	VAN	11.2	.0	00:22	00:00	.0	11.2	100.0	12:00	00:39	5.5	6	.5	0600	1800	5	1	0

Trips

STime	P/D	OSTime	Amb	Dwell	Dep	Dist	Penalty	Blk	Time	Amb	WC	T/R	Swp	D/R	Zone	Name	Address	City
0600	P	0600	0600	0.00	0600	.0	.0		0	0	R			R	000000	Start Shift		
0830	P	0830	0836	2.00	0832	.0	.0		00:30	1	0	T	N	R	534497	GARFIELD, JAMES	274 REMINGTON RD	MARPLE
0840	P	0815	0844	2.00	0846	3.6	4.6		00:15	3	0	T	N	R	510486	GRANT, ULYSSES	431 SYCAMORE MILLS RD	MEDIA
0845	P	0830	0848	2.00	0850	1.4	3.9		00:09	4	0	T	N	R	511500	ADAMS, JOHN	527 SANDY BANK RD	MEDIA
0850	P	0815	0855	2.00	0857	.6	5.1		00:15	6	0	T	N	R	502499	JEFFERSON, THOMAS	86 E 5TH ST	MEDIA
0900	D	0900	0858	1.00	0859	1.1	.0		00:09	5	0	T	N	R	499509	ADAMS, JOHN	RIDDLE MEMORIAL HOSPITAL	MEDIA
0900	D	0900	0859	0.30	0900	.0	.0		00:15	4	0	T	N	R	499509	GRANT, ULYSSES	RIDDLE MEMORIAL HOSPITAL	MEDIA
0900	D	0900	0900	0.30	0900	.0	.2		00:30	3	0	T	N	R	499509	GARFIELD, JAMES	RIDDLE MEMORIAL HOSPITAL	MEDIA
0900	D	0900	0909	1.00	0910	5.3	17.2		00:32	2	0	T	N	R	445508	JOHNSON, ANDREW	CROZER CHESTER MED CENTER	CHESTER
0900	D	0900	0910	0.30	0910	.0	19.3		00:18	1	0	T	N	R	445508	HOOVER, HERBERT	CROZER CHESTER MED CENTER	CHESTER
0900	D	0900	0910	0.30	0911	.0	20.8		00:15	0	0	T	N	R	445508	JEFFERSON, THOMAS	CROZER CHESTER MED CENTER	CHESTER
1200	P	1200	0919	2.00	1202	5.3	.0		00:06	1	0	R	N	R	499509	ADAMS, JOHN	RIDDLE MEMORIAL HOSPITAL	MEDIA
1200	P	1200	1202	0.30	1202	.0	2.0		00:16	2	0	R	N	R	499509	GARFIELD, JAMES	RIDDLE MEMORIAL HOSPITAL	MEDIA
1200	P	1200	1202	0.30	1202	.0	2.5		00:06	2	0	R	N	R	499509	GRANT, ULYSSES	RIDDLE MEMORIAL HOSPITAL	MEDIA
1800	D	1800	1120	0.00	1120	.0	.0		*	0	0	T	N	R	000000	End Shift		

Left click and drag to highlight trips to move to a new vehicle, then click on the vehicle in the Vehicle List window and select "Move Trips to This Vehicle"

The moved trips will be highlighted and displayed on the new vehicle in the Trips for Vehicle window.

Vehicle List

Vehicle	Tour	Desc	TotMi	XDist	TrTime	XTime	Penalty	SvcMi	SvcMi%	TotTime	SvcTime	SvcTime%	Trips	Trips/Hr	STime1	ETime1	Amb	WC	GISX
A01	A01	VAN	8.8	.0	00:16	00:00	.0	8.8	100.0	12:00	00:22	3.1	3	.3	0600	1800	5	1	0
E01	E01	VAN	26.4	.0	00:47	00:00	.0	21.1	79.8	12:00	01:00	8.4	9	.8	0600	1800	5	1	0

Trips for Vehicle E01 - VAN

STime	P/D	OSTime	Amb	Dwell	Dep	Dist	Penalty	Blk	Time	Amb	WC	T/R	Swp	D/R	Zone	Name	Address	City
0600	P	0600	0600	0.00	0600	.0	.0		0	0	R			R	000000	Start Shift		
0830	P	0830	0836	2.00	0832	.0	.0		00:30	1	0	T	N	R	534497	GARFIELD, JAMES	274 REMINGTON RD	MARPLE
0840	P	0815	0844	2.00	0846	3.6	4.6		00:15	3	0	T	N	R	510486	GRANT, ULYSSES	431 SYCAMORE MILLS RD	MEDIA
0845	P	0830	0848	2.00	0850	1.4	3.9		00:09	4	0	T	N	R	511500	ADAMS, JOHN	527 SANDY BANK RD	MEDIA
0845	P	0815	0851	2.00	0853	.3	9.4		00:18	5	0	T	N	R	509499	HOOVER, HERBERT	193 SANDY BANK RD	MEDIA
0850	P	0815	0855	2.00	0857	.6	5.1		00:15	6	0	T	N	R	502499	JEFFERSON, THOMAS	86 E 5TH ST	MEDIA
0900	D	0900	0858	1.00	0859	1.1	.0		00:09	5	0	T	N	R	499509	ADAMS, JOHN	RIDDLE MEMORIAL HOSPITAL	MEDIA
0900	D	0900	0859	0.30	0900	.0	.0		00:15	4	0	T	N	R	499509	GRANT, ULYSSES	RIDDLE MEMORIAL HOSPITAL	MEDIA
0900	D	0900	0900	0.30	0900	.0	.2		00:30	3	0	T	N	R	499509	GARFIELD, JAMES	RIDDLE MEMORIAL HOSPITAL	MEDIA
0900	D	0900	0909	1.00	0910	5.3	17.2		00:32	2	0	T	N	R	445508	JOHNSON, ANDREW	CROZER CHESTER MED CENTER	CHESTER
0900	D	0900	0910	0.30	0910	.0	19.3		00:18	1	0	T	N	R	445508	HOOVER, HERBERT	CROZER CHESTER MED CENTER	CHESTER
0900	D	0900	0910	0.30	0911	.0	20.8		00:15	0	0	T	N	R	445508	JEFFERSON, THOMAS	CROZER CHESTER MED CENTER	CHESTER
1200	P	1200	0919	2.00	1202	5.3	.0		00:06	1	0	R	N	R	499509	ADAMS, JOHN	RIDDLE MEMORIAL HOSPITAL	MEDIA
1200	P	1200	1202	0.30	1202	.0	2.0		00:16	2	0	R	N	R	499509	GARFIELD, JAMES	RIDDLE MEMORIAL HOSPITAL	MEDIA
1200	P	1200	1202	0.30	1202	.0	2.5		00:06	2	0	R	N	R	499509	GRANT, ULYSSES	RIDDLE MEMORIAL HOSPITAL	MEDIA

Cancelling Trips

Trips may be cancelled from the Trips for Vehicle window.

To Cancel a Trip:

1. Right click on the trip
2. Select "Cancel Trip" from the right click menu.

PtMSIS - Interactive Scheduler - Trips on 10/22/2007 - JOHN HANCOCK MEDICAID BROKERAGE

File Edit View Tools Reports Help

Trips to be Scheduled

Vehicle	Amb/WC	Name	T/R	D/R	Dist	PAddress	PCity	PickUp	DAddress	DCity	DropOff	OPickUp	ODropOff	P
E01	AMB	GARFIELD, JAMES	T	R	3.7	274 REMINGTON RD	MARPLE	0830	RIDDLE MEMORIAL HOSPITAL	MEDIA	0900	0830	0900	5

Providers: ABC - ABC T, EAS - EASY

Mouse down at 10/21/2007 9:42:49 PM Cu -1 toprow = -1

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Vehicle List

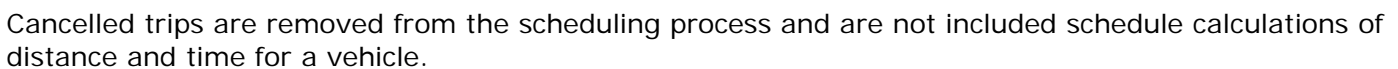
Vehicle	Tour	Desc	TotMi	XDist	TrTime	XTime	Penalty	SvcMi	SvcM%	TotTime	SvcTime	SvcTime%	Trips	Trips/Hr	STime1	ETime1	Amb	WC	GISX
A01	A01	VAN	17.6	.0	00:30	00:00	.0	17.6	100.0	12:00	00:54	7.5	6	5	0600	1800	5	1	0
E01	E01	VAN	8.6	.0	00:18	00:00	.0	8.6	100.0	12:00	00:28	4.0	5	4	0600	1800	5	1	0

Trips for Vehicle E01 - VAN

STime	P/D	OSTime	Arr	Dwell	Dep	Dist	Penalty	Blk	Time	Amb	WC	T/R	Svp	D/R	Zone	Name	Address	City	GISX
0600	P	0600	0600	0.00	0600	.0	.0		*	0	0	R			R	000000	Start Shift		0
0840	P	0815	0600	2.00	0842	.0	.0		00:10	1	0	T	N	R	510486	GRA	LS RD	MEDIA	120539401
0845	P	0830	0844	2.00	0847	1.4	.0		00:04	2	0	T	N	R	511500	ADA	HOSPITAL	MEDIA	120567575
0900	D	0900	0849	1.00	0850	1.6	.0		00:04	1	0	T	N	R	499509	ADA	HOSPITAL	MEDIA	120585617
0900	D	0900	0850	0.30	0850	.0	.0		00:10	0	0	T	N	R	499509	GRA	HOSPITAL	MEDIA	120585617
1200	P	1200	0850	0.30	1200	.0	.0		00:05	1	0	R	N	R	499509	ADA	HOSPITAL	MEDIA	120585617
1200	P	1200	1200	0.30	1201	.0	.5		00:16	2	0	R	N	R	499509	GAR	HOSPITAL	MEDIA	120585617
1200	P	1200	1201	0.30	1201	.0	1.0		00:08	3	0	R	N	R	499509	GRA	HOSPITAL	MEDIA	120585617
1215	D	1215	1205	1.00	1206	1.6	.0		00:05	2	0	R	N	R	511500	ADA	HOSPITAL	MEDIA	120567575
1225	D	1225	1209	1.00	1210	1.4	.0		00:08	1	0	R	N	R	510486	GRA	LS RD	MEDIA	120539401
1230	D	1230	1216	1.00	1217	2.6	.0		00:16	0	0	R	N	R	534497	GAR	MARPLE	MEDIA	120562322
1800	D	1800	1217	0.00	1217	.0	.0		*	0	0	T		R	000000	End		0	

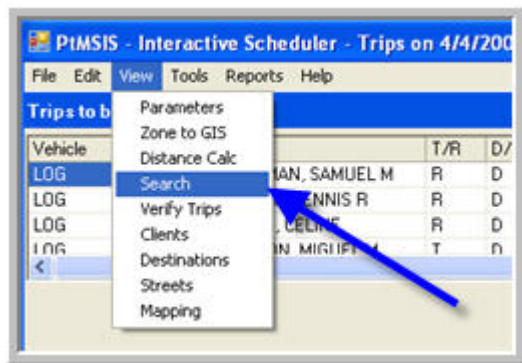
Remove Trip From Vehicle
Trial Remove Trip
Client Details
Destination Details
Clear Map
Highlight Stop
Route Stop
Zoom Highlighted Stops
Calculate Route
Cancel Trip

The trip will be color coded to identify it as cancelled. If there is a return trip for this client a dialogue box will display and provide an opportunity to cancel the return trip.

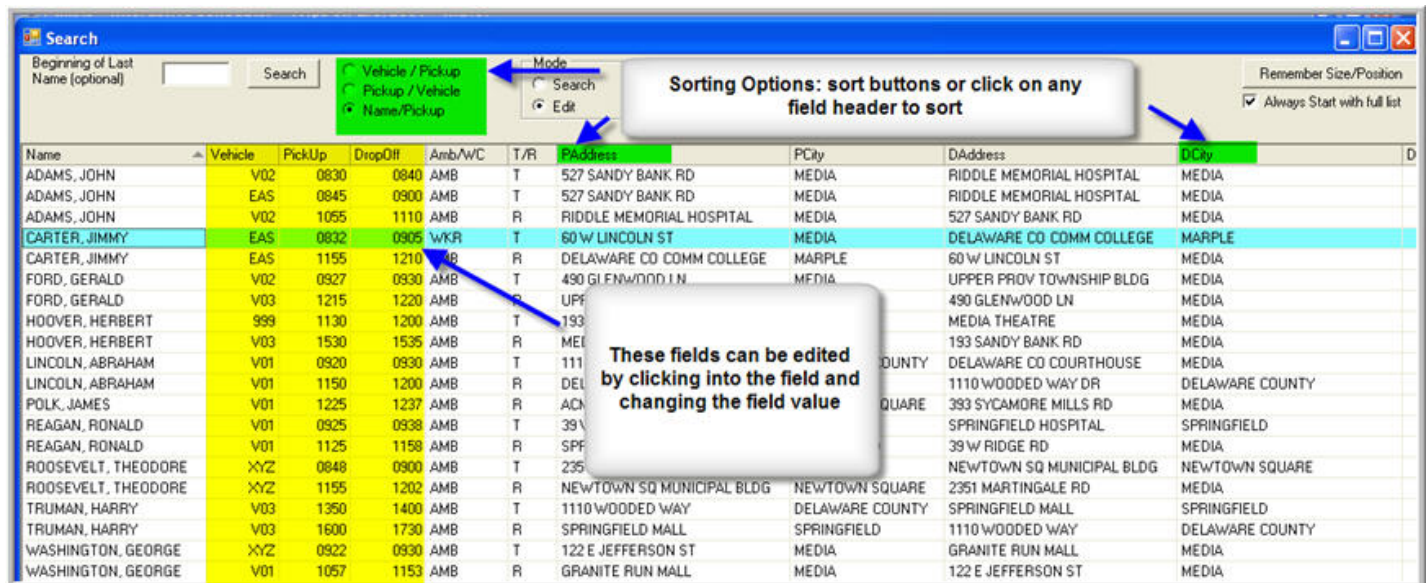


1. Right click on the trip
2. Select "Uncancel Trip" from the right click menu.

The Search-Edit screen is accessed from the View menu.



This screen provides a means for browsing the entire schedule day. Records can be instantly sorted using the 3 sort buttons at the top, or sorted by click on the field headers. Pickup Time, drop-off time, and scheduled vehicle can be edited directly on this screen.



Searching for a Trip Record

A Search screen is available for rapidly locating a client trip records. This screen can also be used for rapidly locating all trips arriving at a specific location, etc, by resorting all trip records by clicking on one of the field headers.

From the Interactive Scheduler menu bar select View, then Search:

Search

Beginning of Last Name (optional) Search ☒ Always Start with full list Remember Size/Position

Name	Vehicle	Amb/WC	T/R	PAddress	PCity	PickUp	DAddress	DCity	DropOff
ADAMS, JOHN	V02	AMB	T	527 SANDY BANK RD	MEDIA	0835	RIDDLE MEMORIAL HOSPITAL	MEDIA	0845
ADAMS, JOHN	V02	AMB	R	RIDDLE MEMORIAL HOSPITAL	MEDIA	1050	527 SANDY BANK RD	MEDIA	1103
ADAMS, JOHN	EAS	AMB	T	527 SANDY BANK RD	MEDIA	0845	RIDDLE MEMORIAL HOSPITAL	MEDIA	0900
CARTER, JIMMY	EAS	WKR	T	60 W LINCOLN ST	MEDIA	0832	DELAWARE CO COMM COLLEGE	MARPLE	0905
CARTER, JIMMY	EAS	AMB	R	DELAWARE CO COMM COLLEGE	MARPLE	1155	60 W LINCOLN ST	MEDIA	1209
FORD, GERALD	999	AMB	R	UPPER PROV TOWNSHIP BLDG	MEDIA	1215	490 GLENWOOD LN	MEDIA	1220
FORD, GERALD	999	AMB	T	490 GLENWOOD LN	MEDIA	0924	UPPER PROV TOWNSHIP BLDG	MEDIA	0930
HOOVER, HERBERT	999	AMB	T	193 SANDY BANK RD	MEDIA	1130	MEDIA THEATRE	MEDIA	1200
HOOVER, HERBERT	999	AMB	R	MEDIA THEATRE	MEDIA	1530	193 SANDY BANK RD	MEDIA	1533
LINCOLN, ABRAHAM	V01	AMB	T	1110 WOODDED WAY DR	MEDIA	0920	DELAWARE CO COURTHOUSE	MEDIA	0928
LINCOLN, ABRAHAM	V01	AMB	R	DELAWARE CO COURTHOUSE	MEDIA	1150	1110 WOODDED WAY DR	MEDIA	1200
POLK, JAMES	V01	AMB	R	ACME MARKET-NEWTOWN SQ	NEWTOWN SQUARE	1225	393 SYCAMORE MILLS RD	MEDIA	1237
REAGAN, RONALD	V01	AMB	T	39 W RIDGE RD	MEDIA	0925	SPRINGFIELD HOSPITAL	SPRINGFIELD	0938
REAGAN, RONALD	V01	AMB	R	SPRINGFIELD HOSPITAL	SPRINGFIELD	1125	39 W RIDGE RD	MEDIA	1157
ROOSEVELT, THEODORE	XYZ	AMB	T	2351 MARTINGALE RD	MEDIA	0848	NEWTOWN SQ MUNICIPAL BLDG	NEWTOWN SQUARE	0900
ROOSEVELT, THEODORE	XYZ	AMB	R	NEWTOWN SQ MUNICIPAL BLDG	NEWTOWN SQUARE	1155	2351 MARTINGALE RD	MEDIA	1202
TRUMAN, HARRY	V03	AMB	T	1110 WOODDED WAY	MEDIA	1352	SPRINGFIELD MALL	SPRINGFIELD	1400
TRUMAN, HARRY	V03	AMB	R	SPRINGFIELD MALL	SPRINGFIELD	1600	1110 WOODDED WAY	MEDIA	1731
WASHINGTON, GEORGE	XYZ	AMB	T	122 E JEFFERSON ST	MEDIA	0922	GRANITE RUN MALL	MEDIA	0930
WASHINGTON, GEORGE	V01	AMB	R	GRANITE RUN MALL	MEDIA	1057	122 E JEFFERSON ST	MEDIA	1153

Enter part of the name in the Search field box, then click on Search to display the trip records that match.

Search

Beginning of Last Name (optional) RO Search ☒ Always Start with full list Remember Size/Position

Name	Vehicle	Amb/WC	T/R	PAddress	PCity	PickUp	DAddress	DCity	DropOff
ROOSEVELT, THEODORE	XYZ	AMB	T	2351 MARTINGALE RD	MEDIA	0848	NEWTOWN SQ MUNICIPAL BLDG	NEWTOWN SQUARE	0900
ROOSEVELT, THEODORE	XYZ	AMB	R	NEWTOWN SQ MUNICIPAL BLDG	NEWTOWN SQUARE	1155	2351 MARTINGALE RD	MEDIA	1202

Click on any trip record and this will display the trip record in the "Trips for Vehicle" window.

PtMSIS - Interactive Scheduler - Trips on 7/3/2006 - A.B.S.

File Edit View Tools Reports Help

Trips to be Scheduled

Vehicle	Amb/WC	Name	T/R	D/R	Dist	PAddress	PickUp	OPickUp	PZone	DAddress
999	AMB	FORD, GERALD	R	R	1.8	UPPER PROV TOWNSHIP BLDG	1215	1215	508497	490 GLENWOOD LN
999	AMB	HOOVER, HERBERT	T	R	1.0	193 SANDY BANK RD	1130	1130	509499	MEDIA THEATRE
999	AMB	FORD, GERALD	T	R	1.8	490 GLENWOOD LN	0924	0915	492501	UPPER PROV TOWNSHIP BLDG
999	AMB	HOOVER, HERBERT	R	R	1.0	MEDIA THEATRE	1530	1530	499499	193 SANDY BANK RD

Providers

- ☐ ABC - ABC TRANSPORTATION
- ☐ EAS - EASY TRANSPORTATION
- ☐ MSS - MEDIA SHUTTLE SERVICE
- ☐ STS - SPECIAL TRANSPORT
- ☐ XYZ - XYZ CAB INC

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Vehicle List

Vehicle	Desc	TotMi	XDist	TrTime	XTime	Penalty	SvcMi	SvcMi%	TotTime	SvcTime	SvcTime%	Trips	Trips/Hr	STime1	ETime1	Amb	WC	GISX
EAS	EASY TRANSPORTATION	14.1	.0	00:30	00:00	.0	12.8	90.7	14:00	00:42	5.0	3	.2	0600	2000	99	0	120573628
V01	VAN 01	28.0	.0	00:59	00:00	.0	16.6	59.6	12:00	01:25	11.9	6	.5	0600	1800	10	2	120573628
V02	VAN 02	8.7	.0	00:18	00:00	.0	6.1	70.0	12:00	00:17	2.4	2	.2	0600	1800	10	2	120573628
V03	VAN V03	5.9	.0	00:12	00:00	.0	5.9	100.0	10:00	00:16	2.8	2	.2	0800	1800	5	0	120573628
XYZ	XYZ CAB INC	19.9	.0	00:42	00:00	.0	5.8	28.8	22:00	00:18	1.4	3	.1	0100	2300	99	0	120573628

Trips for Vehicle XYZ - XYZ CAB INC

STime	OSTime	Arr	Dwell	Dep	Dist	Penalty	Blk	Time	Amb	WC	P/D	T/R	Swp	D/R	Zone	Name	Address	City
0100	0100	0100	0:00	0100	.0	.0		*	0	0	P	R		R	000000	Start Shift		
0848	0835	0106	1:00	0844	3.0	.0		00:04	1	0	P	T	N	R	515481	ROOSEVELT, THEODORE	2351 MARTINGALE RD	MEDIA
0900	0900	0847	1:00	0848	1.6	.0		00:04	0	0	D	T	N	R	531480	ROOSEVELT, THEODORE	NEWTOWN SQ MUNICIPAL BLDG	NEWTOWN
0922	0855	0857	1:00	0918	4.3	.0		00:06	1	0	P	T	N	R	498500	WASHINGTON, GEORGE	122 E JEFFERSON ST	MEDIA
0930	0915	0923	1:00	0924	2.5	.0		00:06	0	0	D	T	N	R	492478	WASHINGTON, GEORGE	GRANITE RUN MALL	MEDIA
1155	1200	0932	1:00	1156	4.0	.0		00:04	1	0	P	R	N	R	531480	ROOSEVELT, THEODORE	NEWTOWN SQ MUNICIPAL BLDG	NEWTOWN
1202	1225	1159	1:00	1200	1.6	.0		00:04	0	0	D	R	N	R	515481	ROOSEVELT, THEODORE	2351 MARTINGALE RD	MEDIA
2300	2300	1206	0:00	1206	3.0	.0		*	0	0	D	R		R	000000	End Shift		

Database Operations

Database operations allow users to lookup data records for tables that support the scheduling functions. Look tables include:

1. Client Records
2. Destination Records

Client Records

The Interactive Scheduler can display selected client records or all PtMS client using a Client Records Browse window.

Included in this section:

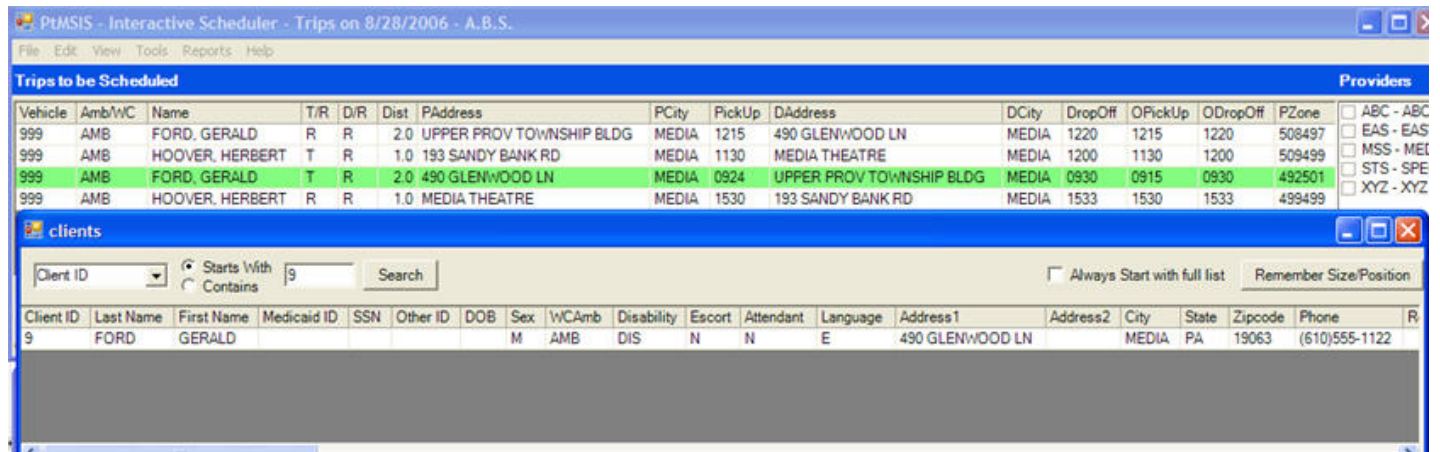
- How to display a client record for a selected trip
- How to browse and sort all client records
- How to search client records for matches on selected fields

Displaying Client Record for a Selected Trip

The **client record information** for a selected trip record in the **Trips to Be Scheduled** window or the **Trips for Vehicle** window can be displayed by right clicking on the trip record and selecting **Client Detail**.

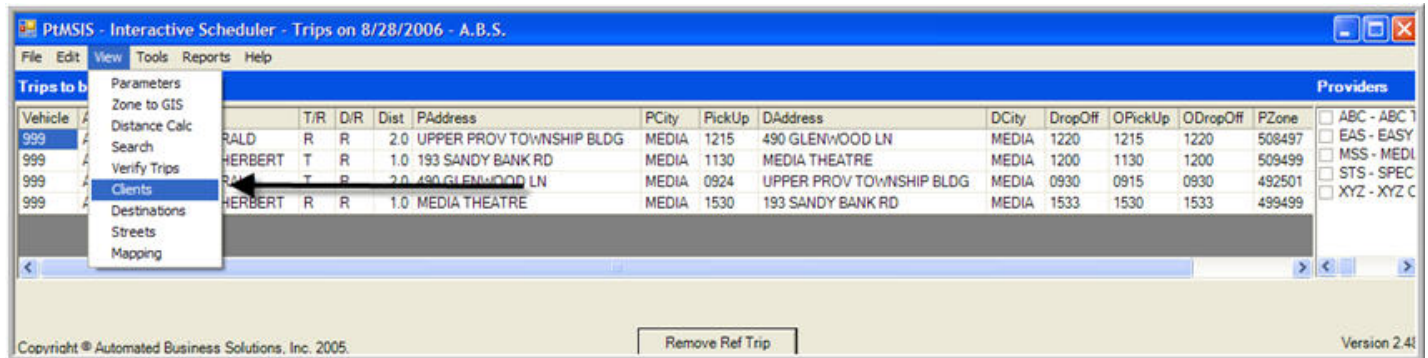


The record will be displayed and can be viewed by scrolling right to display all the record information.

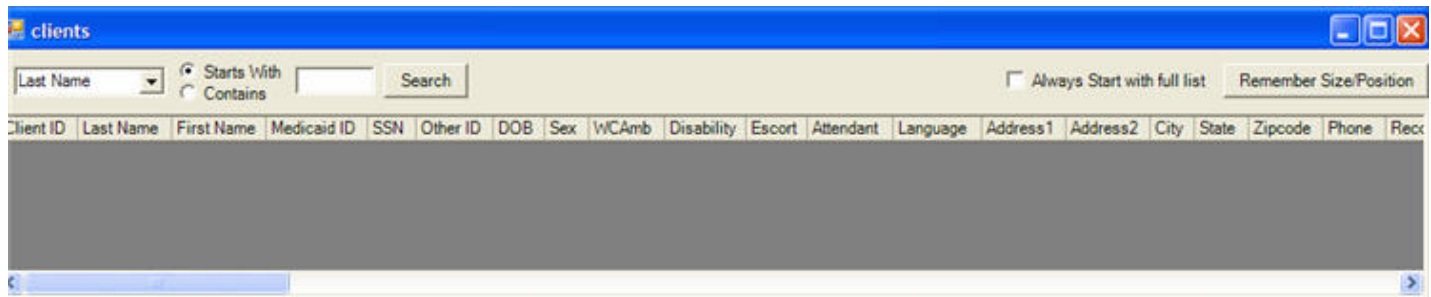


Browsing All Client Records

From the Interactive Scheduler menu bar select View, Clients.



This will display the Client Records browse window. Note, some fields are off the screen to the right and require the user to scroll right to see the display.



To search for specific record in the Client Browse screen:

- Click on the fields list drop down and select a field to search
- Select the search criteria - either "Starts with" or "Contains"
- Enter all or part of the field value in the search box then click the Search button*

*Note: If you leave the search box blank and click on Search, all Client records will be displayed sorted by the search field.

clients

Last Name

Starts With

Contains

Search

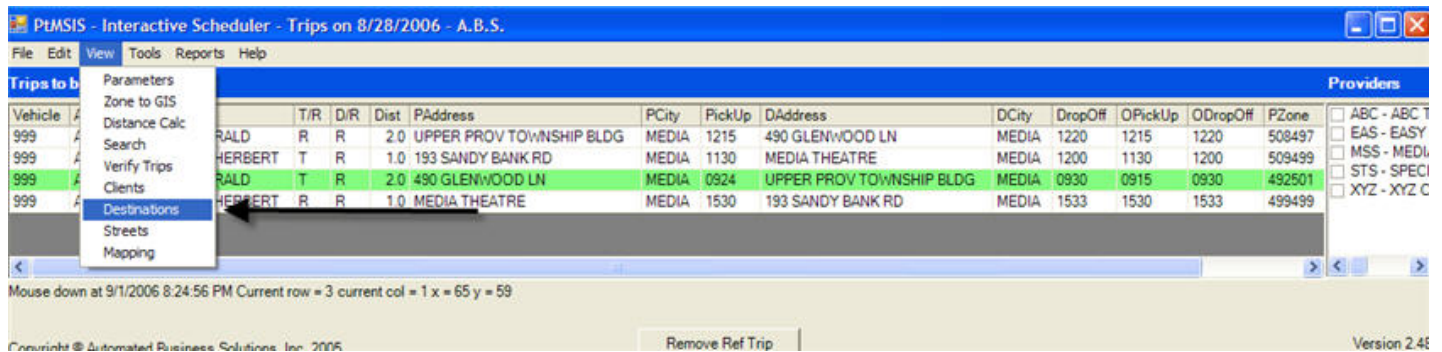
Always Start with full list

Remember Size/Position

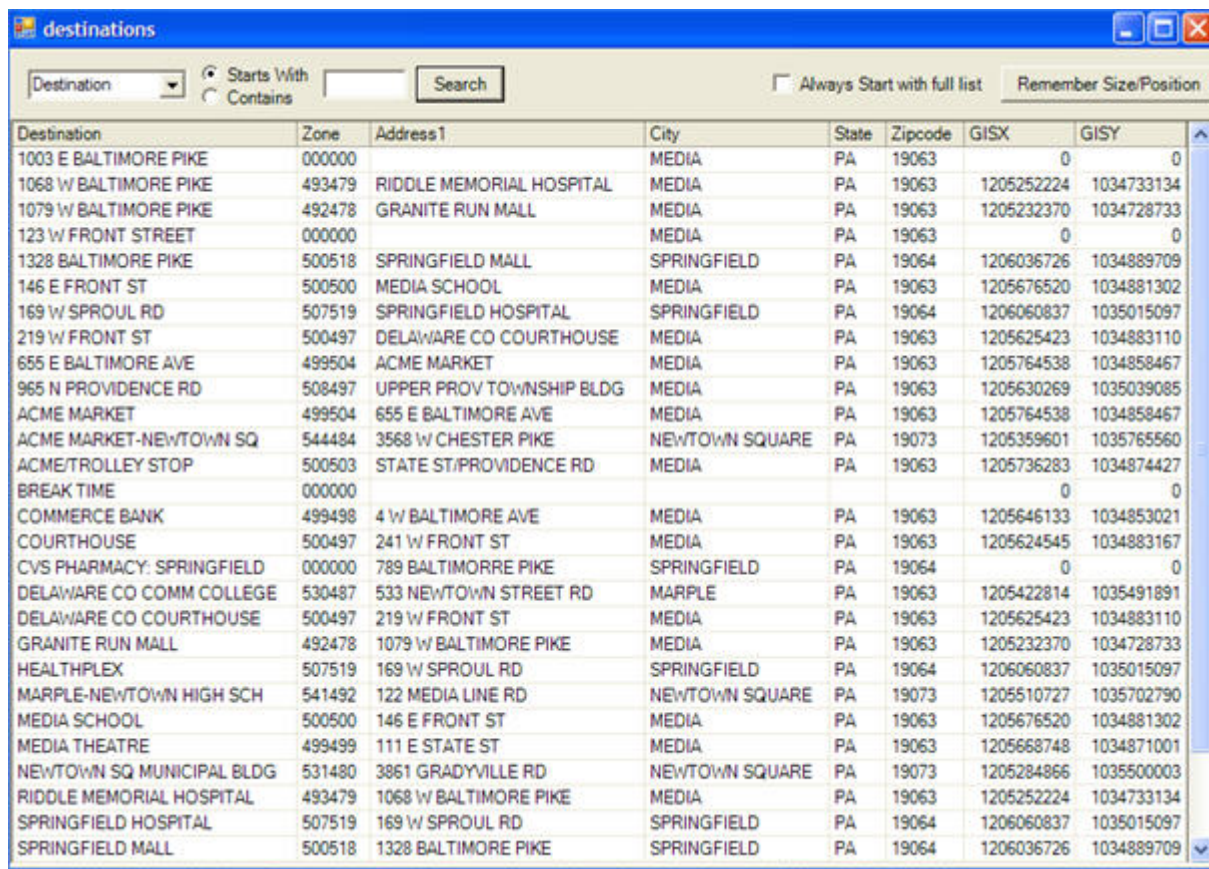
Client ID	Last Name	First Name	Medicaid ID	SSN	Other ID	DOB	Sex	WCamb	Disability	Escort	Attendant	Language	Address1	Address2	City	State	Zipcode	Phone
4	ADAMS	JOHN						AMB	DIS				527 SANDY BANK RD		MEDIA	PA	19063	
8	CARTER	JIMMY					M	AMB		N	N	E	60 W LINCOLN ST		MEDIA	PA	19063	(610)555
15	DEMO-CLIENT	TEST						WC	DIS	N		E	43 PALMER MILL RD		MEDIA	PA	19063	
9	FORD	GERALD					M	AMB	DIS	N	N	E	490 GLENWOOD LN		MEDIA	PA	19063	(610)555
13	HOOVER	HERBERT					M	AMB		N	N	E	193 SANDY BANK RD		MEDIA	PA	19063	(610)555
6	JEFFERSON	THOMAS					M	AMB					86 E 5TH ST		MEDIA	PA	19063	(610)555
3	LINCOLN	ABRAHAM					M	AMB	DIS			E	1110 WOODED WAY DR		MEDIA	PA	19063	
12	POLK	JAMES					M	AMB		N	N	E	393 SYCAMORE MILLS RD		MEDIA	PA	19063	(610)555
10	REAGAN	RONALD					M	AMB	DIS	N	N	E	39 W RIDGE RD		MEDIA	PA	19063	(610)555
11	ROOSEVELT	THEODORE					M	AMB	DIS			E	2351 MARTINGALE RD		MEDIA	PA	19063	
5	SHUTTLE	MEDIA						AMB					100 STATE ST		MEDIA	PA	19063	
14	TRUMAN	HARRY					M	AMB		N	N	E	414 MEETINGHOUSE LN		MEDIA	PA	19063	(610)555
2	WASHINGTON	GEORGE			TEST		M	AMB	DIS				122 E JEFFERSON ST		MEDIA	PA	19063	

Destinations

From the Interactive Scheduler menu bar **select View, Destinations.**



This will display the Destination Records browse window.



Mapping

Mapping operations allow users to place selected trips or entire vehicle routes on the map.

Once a vehicle route, or part of a vehicle route(s) are displayed on the map, the route can be manipulated by the users, pickup and dropoff order can be adjusted, trips added, etc.

Mapping operations also allow users to geocode - assign map coordinates - to new unmapped addresses.

Mapping Trip Records and Vehicle Routes

This section outlines how to use the Interactive Scheduler to map individual trip records, select trips within a vehicle schedule, entire vehicle schedules, and trips combined across vehicle schedules. Once mapped the street route and travel time and distance can be calculated and displayed on the map.

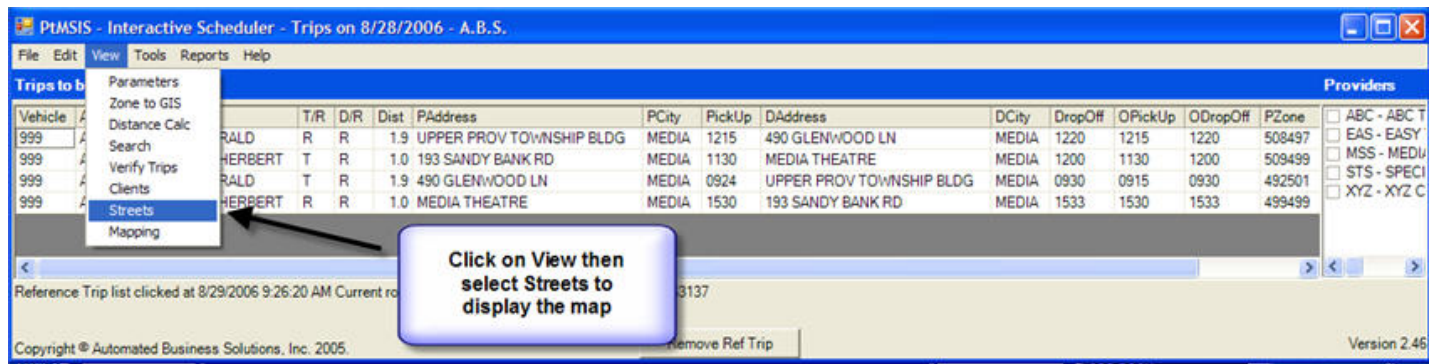
Included in this section:

- Overview of the Streets 2006 Map Software
- How to access the map commands
- Map commands summary
- How to highlight trips on the map
- How to add trips to the route list and produce the route
- How to produce the route report

Streets 2006 Map Software

Opening the Map Window

From the menu bar at the top select View, the Streets to open the Map window.



Once the map window is open, the user has all the map menus and tools available. You must open the Maps menu and select your maps the first time the Map window is opened. Once installed, they do not have to be opened again even after closing and reopening the Interactive Scheduler. Just open the Map window before display trips records or entire routes on the map.

Trips to be Scheduled

Vehicle	Amb/WC	Name	T/R	D/R	Dist	PAddress	PCity	PickUp	DAddress	DCity	DropOff	OPickUp	ODropOff	PZone
999	AMB	FORD, GERALD	R	R	1.9	UPPER PROV TOWNSHIP BLDG	MEDIA	1215	490 GLENWOOD LN	MEDIA	1220	1215	1220	508497
999	AMB	HOOVER, HERBERT	T	R	1.0	193 SANDY BANK RD	MEDIA	1130	MEDIA THEATRE	MEDIA	1200	1130	1200	508499
999	AMB	FORD, GERALD	T	R	1.9	490 GLENWOOD LN								
999	AMB	HOOVER, HERBERT	R	R	1.0	MEDIA THEATRE								

Reference Trip list clicked at 8/29/2006 9:26:20 AM Current row = -1 current cell = 0

Trips for Vehicle EAS - EASY TRANSPORTATION

STime	OStime	Arr	Dwell	Dep	Dist	Penalty	Blk	Time	Amb
0600	0600	0600	0:00	0600	.0	.0	<input type="checkbox"/>	*	0
0832	0830	0601	3:00	0820	.8	.0	<input type="checkbox"/>	00:36	1
0845	0845	0823	3:00	0833	1.6	.0	<input type="checkbox"/>	00:11	2
0900	0900	0841	1:00	0842	3.6	.0	<input type="checkbox"/>	00:11	1
0905	0900	0853	1:00	0854	4.5	.0	<input type="checkbox"/>	00:36	0
1155	1200	0854	3:00	1152	.0	.0	<input type="checkbox"/>	00:13	1
1209	1230	1202	1:00	1203	4.3	.0	<input type="checkbox"/>	00:13	0
2000	2000	1205	0:00	1205	.8	.0	<input type="checkbox"/>	*	0

Streets On A Disk, 2006

File Maps Edit Options Search Route GPS Help

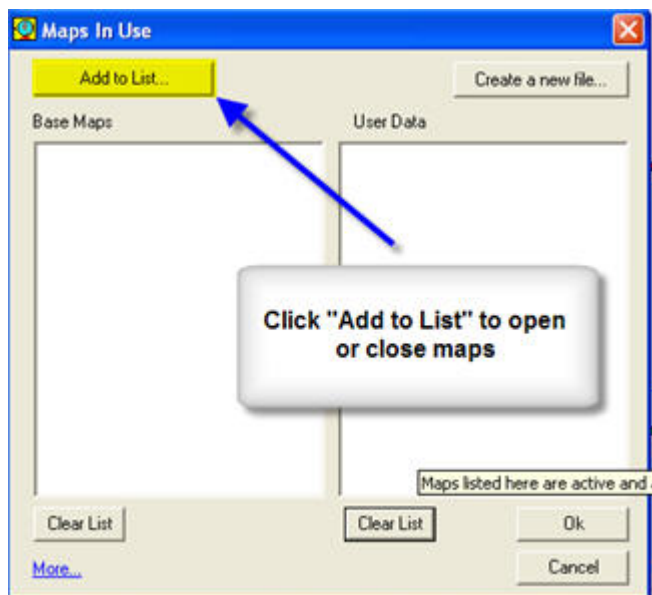
Range: 34.3 mile(s)

Streets map window operates with all the menus and tools available to the user

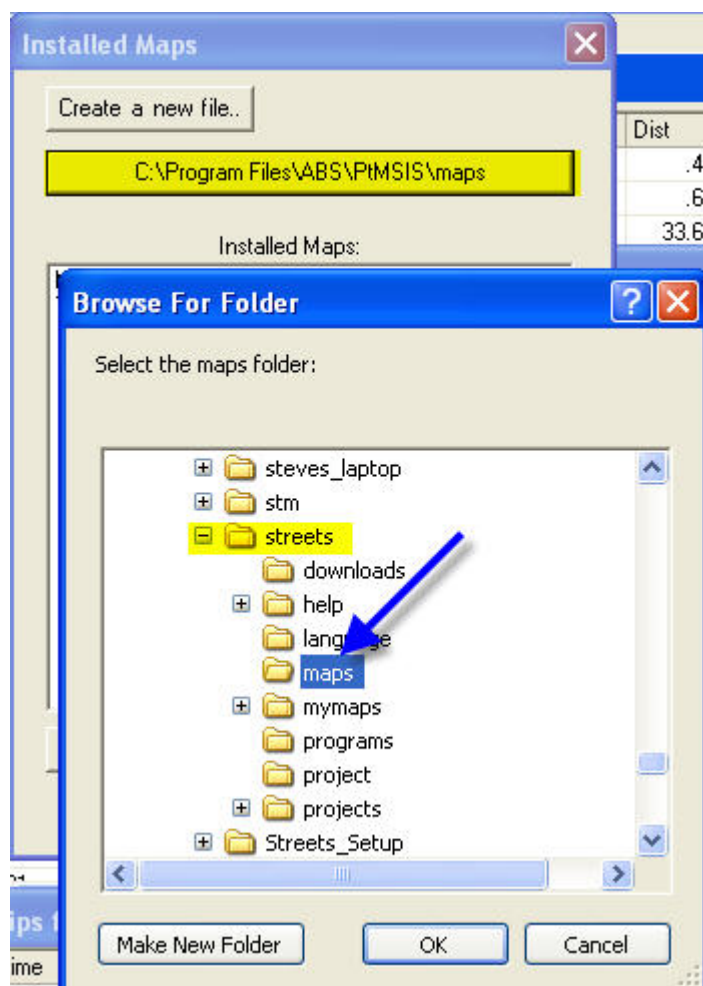
Select Maps to Open in Streets

First Open the Streets Map from the PtMSIS View menu on the Tool Bar.

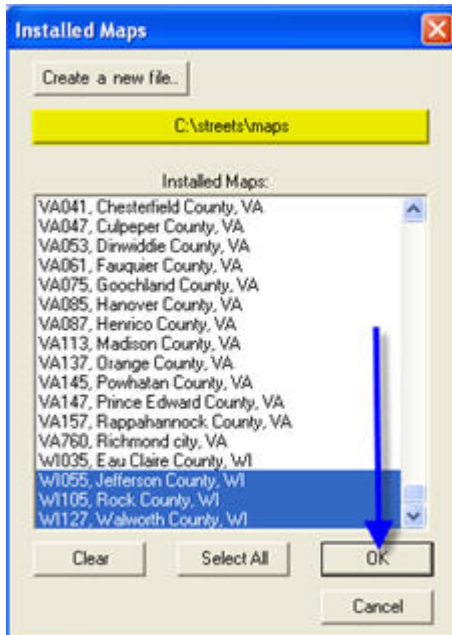
Next, click on the Streets/Maps menu on the Streets Toolbar and you will open this window and click on 'Add to List':



Next, browse to the C:\Streets\Map folder and click on this to select it.

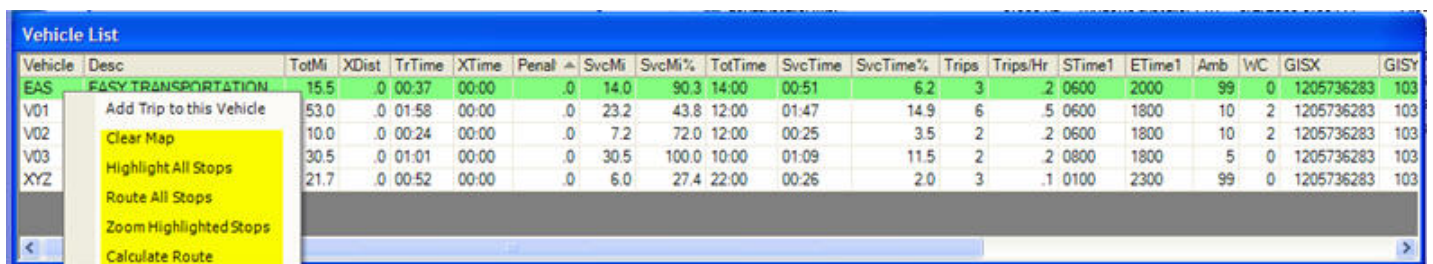
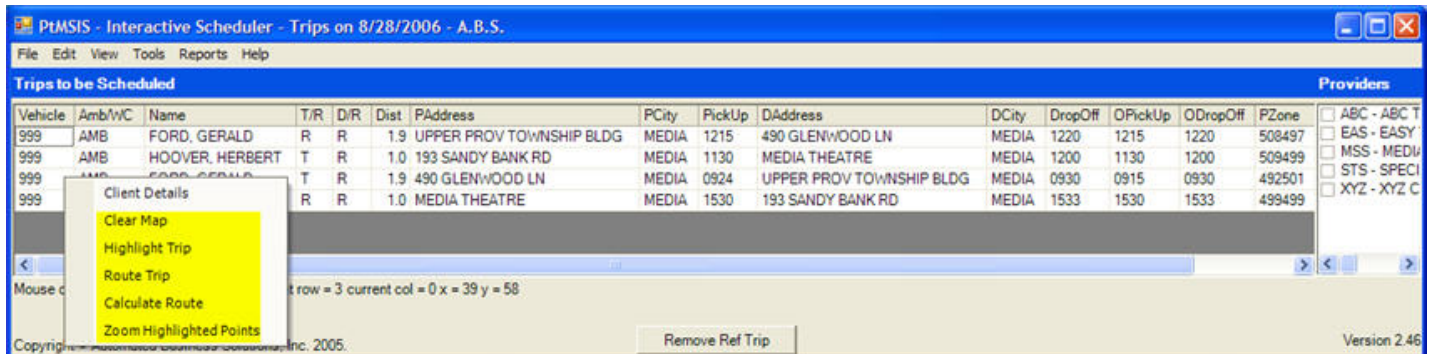


Browse and find your maps in the list, click on the maps (CTRL+left click to select more than one) then click OK to open the maps.



Accessing the Map Commands

In each of the three scheduling windows right click on a trip or line to display the commands menu. Map commands are listed in each menu.



Trips for Vehicle EAS - EASY TRANSPORTATION																			
STime	OSTime	Arr	Dwell	Dep	Dist	Penalty	Blk	Time	Amb	W/C	P/D	T/R	Swp	D/R	Zone	Name	Address	City	GISX
0600	0600	0600	0:00	0600	.0	.0	<input type="checkbox"/>	*	0	0	P	R		R	000000	Start Shift			1205736283
0832					.0	<input type="checkbox"/>		00:36	1	0	P	T	N	R	496498	CARTER, JIMMY	60 W LINCOLN ST	MEDIA	1205638065
0845					.0	<input type="checkbox"/>		00:11	2	0	P	T	N	R	511500	ADAMS, JOHN	527 SANDY BANK RD	MEDIA	1205675795
0900					.0	<input type="checkbox"/>		00:11	1	0	D	T	N	R	493479	ADAMS, JOHN	RIDDLE MEMORIAL HOSPITAL	MEDIA	1205252224
0905					.0	<input type="checkbox"/>		00:36	0	0	D	T	N	R	530487	CARTER, JIMMY	DELAWARE CO COMM COLLEGE	MARPLE	1205422814
1155					.0	<input type="checkbox"/>		00:13	1	0	P	R	N	R	530487	CARTER, JIMMY	DELAWARE CO COMM COLLEGE	MARPLE	1205422814
1209					.0	<input type="checkbox"/>		00:13	0	0	D	R	N	R	496498	CARTER, JIMMY	60 W LINCOLN ST	MEDIA	1205638065
2000					.0	<input type="checkbox"/>		*	0	0	D	R		R	000000	End Shift			1205736283

Remove Trip From Vehicle

Trial Remove Trip

Client Details

Clear Map

Highlight Stop

Route Stop

Zoom Highlighted Stops

Calculate Route

Map Commands Summary

Here is a list of the mapping commands available on the menus and a brief description of their function. Are more detailed description of the command is included in a separate help section below.

Clear Map

This selection clears the map display of all highlights and route stops. The Route list is completely cleared. Select this command when preparing to add stops or trips to a "clean map" that does not contain any previous routing information.

Highlight Trip(s) or Stop(s)

A trip represents the pickup and dropoff address. A stop can be either the pickup or the dropoff address of a specific trip.

Highlighting a trip or stop simply attaches a label to that point(s) on the map. This option does not call the Map window to the top of the display. Popping up the map each time you selected a stop or trip record to highlight on the map would slow down mapping operations since the map would redraw and display with each highlight.

Zoom Highlighted Trip(s) or Stops(s)

Select the Zoom Highlighted Trips or Stops command to popup the Map window and resize the display to include all the highlighted points.

Route Trip(s) or Stop(s)

This command places the stop(s) in the Route list. They are appended to the end of the list. An icon is placed on the map at the stop location with a number representing the order in the Route list.

Calculate Route

This command calculates the street path route from the stops in the route list. The route is displayed on the map.

Highlighting Trips

Highlighting a trip or stop attaches a label to that point(s) on the map. Here is an example of a Trip to Be Scheduled displayed on the map as highlights. After highlighting the trip, the user selects **Zoom to Highlighted Trips** to display the highlights on the map.

The screenshot displays the PtMSIS - Interactive Scheduler interface. The main window shows a map of Media, PA, with two stops highlighted: (D0924) FORD, GERALD UPPER PROV TOWNSHIP BLDG and (P0924) FORD, GERALD 490 GLENWOOD LN. A callout box points to these stops with the text: "These are examples of highlighted stops".

Trips to be Scheduled

Vehicle	Amb/WC	Name	T/R	D/R	Dist	PAddress	PCity	PickUp	DAddress	DCity	DropOff	OPickUp	ODropOff	PZone
999	AMB	FORD, GERALD	R	R	1.9	UPPER PROV TOWNSHIP BLDG	MEDIA	1215	490 GLENWOOD LN	MEDIA	1220	1215	1220	508497
999	AMB	HOOVER, HERBERT	T	R	1.0	193 SANDY BANK RD	MEDIA	1130	MEDIA THEATRE	MEDIA	1200	1130	1200	509499
999	AMB	FORD, GERALD	T	R	1.9	490 GLENWOOD LN	MEDIA	0924	UPPER PROV TOWNSHIP BLDG	MEDIA	0930	0915	0930	492501
999	AMB									MEDIA	1533	1530	1533	499499

Providers

Provider	ABC - ABC T	EAS - EASY	MSS - MEDU	STS - SPECI	XYZ - XYZ C
ABC - ABC T	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
EAS - EASY	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MSS - MEDU	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
STS - SPECI	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
XYZ - XYZ C	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Vehicle List

Vehicle	Desc
XYZ	XYZ CAB
V03	VAN V03
V02	VAN 02
EAS	EASY TR
V01	VAN 01

Trips for Vehicle

STime	OSTime
0100	0100
0848	0835
0900	0900
0922	0855
0924	0915
0930	0915
0930	0930
1155	1200
1202	1225
2300	2300

Time1 ETime1 Amb WC GISX GISY

Time1	ETime1	Amb	WC	GISX	GISY
100	2300	99	0	1205736283	103
800	1800	5	0	1205736283	103
600	1800	10	2	1205736283	103
600	2000	99	0	1205736283	103
600	1800	10	2	1205736283	103

Address City

Address	City
1 MARTINGALE RD	MEDIA
W/TOWN SQ MUNICIPAL BLDG	NEWTOWN SQ
E JEFFERSON ST	MEDIA
GLENWOOD LN	MEDIA
ANITE RUN MALL	MEDIA
PER PROV TOWNSHIP BLDG	MEDIA
W/TOWN SQ MUNICIPAL BLDG	NEWTOWN SQ
1 MARTINGALE RD	MEDIA

Routing Trips

Route Trip or **Route All Stops** places the selected stop(s) in the Route list. They are appended to the end of the list. In addition an icon is placed on the map at each stop location with a number representing the order in the Route list. The **Calculate Route** command calculates the street path route from the stops in the route list. The route is displayed on the map.

The screenshot displays the PtMSIS - Interactive Scheduler application. The main window is titled "Trips on 8/28/2006 - A.B.S.". It features a menu bar (File, Edit, View, Tools, Reports, Help) and a toolbar. The interface is divided into several panes:

- Trips to be Scheduled:** A table listing vehicles and their scheduled trips.

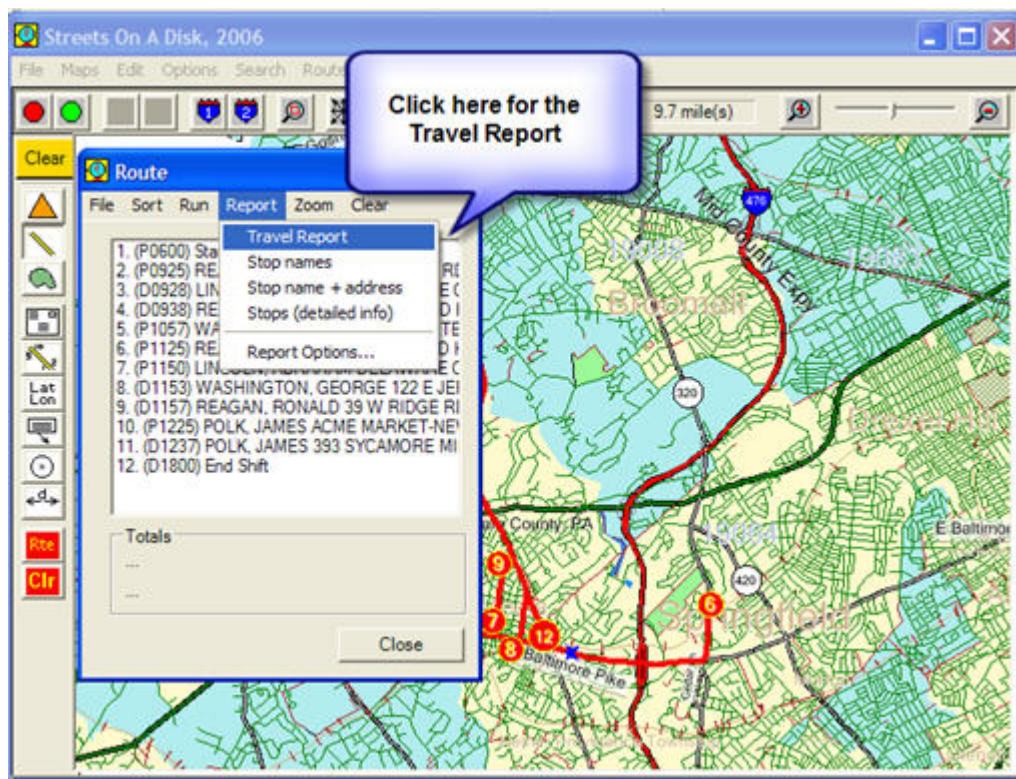
Vehicle	Amb/V/C	Name	T/R	D/R	Dist	PAddress
999	AMB	FORD, GERALD	R	B	1.9	UPPER PROV
999	AMB	HOOVER			1.0	193 SANDY BA
999	AMB	FORD, G			1.9	490 GLENWOC
999	AMB	HOOVER			1.0	MEDIA THEAT
- Route List:** A pop-up window showing a list of route stops.

Vehicle	Desc
EAS	EASY TRANS
V01	VAN 01
V02	VAN 02
V03	VAN V03
XYZ	XYZ CAB INC
- Map:** A map showing the route (red line) and stops (red dots) in a geographic area. A callout box points to the "Route" button in the map toolbar, stating "Click here to display Route List".
- Trips for Vehicle:** A table showing trip details for a specific vehicle.

STime	OSTime	Arr
0600	0600	06
0920	0930	06
0925	0930	0916 3.00 0919 3.4 .0 00:12
0928	0945	0920 1.00 0921 .7 .0 00:15
0938	1000	0928 1.00 0929 2.7 .0 00:12
1057	1105	0941 3.00 1054 5.3 .0 00:57
1125	1130	1106 3.00 1122 5.3 .0 00:32
1150	1200	1128 3.00 1147 2.7 .0 00:16
1153	1120	1148 1.00 1149 .4 .0 00:57
1157	1200	1151 1.00 1152 1.1 .0 00:32
1200	1215	1200 1.00 1201 3.4 .0 00:16
1225	1230	1245 3.00 1248 22.0 47.2 00:11
1237	1255	1257 1.00 1258 3.5 .0 00:11
1800	1800	1304 0.00 1304 2.5 .0 *

Route Reports

Once the **Calculate Route** command is executed, the user can request a detailed **Travel Report** for the route. The Travel Report lists the drive directions to each stop on the route. Travel time and mileage between stops is listed as well. The Travel Report can be edited or printed.



A sample Travel Report is displayed below:

Starting Clock: 06:00 AM
Visit Time: 0 hr(s), 3.00 min. (= 0.050 hrs)
Fuel: 20 mi/gal
Cost: \$0.25 per mile(s)

Start: 1. (P0600) Start Shift
Go northwest, 0.9 mile(s), on ST-252.
Turn left, go southwest, 0.2 mile(s), on Ridge Rd.

Stop: 2. (P0925) REAGAN, RONALD 39 W RIDGE RD
Clock (arrival): 06:01 AM
Time (from start): 0 hr(s), 1.50 min. (= 0.025 hrs)
Distance(from start): 1.0 mile(s)
Clock (depart): 06:04 AM

Go east, 489 ft., on Ridge Rd.
Turn right, go south, 0.6 mile(s), on Olive St.
Turn right, go west, 151 ft., on Front St.

Stop: 3. (D0928) LINCOLN, ABRAHAM DELAWARE CO COURTHOUSE
Clock (arrival): 06:06 AM
Time (from last stop): 0 hr(s), 1.50 min. (= 0.025 hrs)
Time (from start): 0 hr(s), 6.00 min. (= 0.100 hrs)
Distance(from last stop): 0.8 mile(s)
Distance(from start): 1.8 mile(s)
Clock (depart): 06:09 AM

Go east, 151 ft., on Front St.
Turn right, go south, 181 ft., on Olive St.
Turn left, go east, 171 ft., on Jasper St.
Turn right, go south, 514 ft., on Plum St.
Turn left, go east, 2.2 mile(s), on Baltimore Pike.
Turn left, go north, 0.6 mile(s), on ST-320.

Stop: 4. (D0938) REAGAN, RONALD SPRINGFIELD HOSPITAL
Clock (arrival): 06:13 AM
Time (from last stop): 0 hr(s), 4.11 min. (= 0.068 hrs)
Time (from start): 0 hr(s), 13.10 min. (= 0.218 hrs)
Distance(from last stop): 3.0 mile(s)
Distance(from start): 4.8 mile(s)
Clock (depart): 06:16 AM

Go south, 0.6 mile(s), on ST-320.
Turn right, go west, 4.4 mile(s), on Baltimore Pike.

Stop: 5. (P1057) WASHINGTON, GEORGE GRANITE RUN MALL
Clock (arrival): 06:23 AM
Time (from last stop): 0 hr(s), 6.45 min. (= 0.107 hrs)
Time (from start): 0 hr(s), 22.55 min. (= 0.376 hrs)
Distance(from last stop): 5.0 mile(s)
Distance(from start): 9.7 mile(s)
Clock (depart): 06:26 AM

Go northeast, 0.5 mile(s), on US-1.
Slight turn left, go northeast, 3.9 mile(s), on Baltimore Pike.
Turn left, go north, 0.6 mile(s), on ST-320.

Stop: 6. (P1125) REAGAN, RONALD SPRINGFIELD HOSPITAL
Clock (arrival): 06:32 AM
Time (from last stop): 0 hr(s), 6.45 min. (= 0.107 hrs)
Time (from start): 0 hr(s), 32.00 min. (= 0.533 hrs)
Distance(from last stop): 5.0 mile(s)
Distance(from start): 14.7 mile(s)
Clock (depart): 06:35 AM

Go south, 0.6 mile(s), on ST-320.
Turn right, go west, 2.2 mile(s), on Baltimore Pike.
Turn right, go north, 514 ft., on Plum St.
Turn left, go west, 171 ft., on Jasper St.
Turn right, go north, 181 ft., on Olive St.
Turn left, go west, 151 ft., on Front St.

Stop: 7. (P1150) LINCOLN, ABRAHAM DELAWARE CO COURTHOUSE
Clock (arrival): 06:39 AM
Time (from last stop): 0 hr(s), 4.11 min. (= 0.068 hrs)
Time (from start): 0 hr(s), 39.11 min. (= 0.652 hrs)
Distance(from last stop): 3.0 mile(s)
Distance(from start): 17.7 mile(s)
Clock (depart): 06:42 AM

Go east, 151 ft., on Front St.
Turn right, go south, 181 ft., on Olive St.
Turn left, go east, 171 ft., on Jasper St.
Turn right, go south, 514 ft., on Plum St.
Turn left, go east, 0.1 mile(s), on Baltimore Pike.
Turn right, go south, 512 ft., on Monroe St.
Turn left, go east, 87 ft., on Jefferson St.

Stop: 8. (D1153) WASHINGTON, GEORGE 122 E JEFFERSON ST
Clock (arrival): 06:43 AM
Time (from last stop): 0 hr(s), 0.80 min. (= 0.013 hrs)
Time (from start): 0 hr(s), 42.91 min. (= 0.715 hrs)
Distance(from last stop): 0.4 mile(s)
Distance(from start): 18.1 mile(s)
Clock (depart): 06:46 AM

Go east, 85 ft., on Jefferson St.
Turn left, go north, 492 ft., on Gayley St.
Turn right, go east, 281 ft., on Baltimore Pike.
Turn left, go north, 0.5 mile(s), on Edgemont St.
Slight turn left, go northwest, 0.4 mile(s), on ST-252.
Turn left, go southwest, 0.2 mile(s), on Ridge Rd.

Stop: 9. (D1157) REAGAN, RONALD 39 W RIDGE RD
Clock (arrival): 06:48 AM
Time (from last stop): 0 hr(s), 2.15 min. (= 0.036 hrs)
Time (from start): 0 hr(s), 48.06 min. (= 0.801 hrs)
Distance(from last stop): 1.2 mile(s)
Distance(from start): 19.3 mile(s)
Clock (depart): 06:51 AM

Go east, 0.2 mile(s), on Ridge Rd.
Turn left, go northwest, 4.3 mile(s), on ST-252.
Hard turn right, go east, 0.2 mile(s), on ST-3.

Stop: 10. (P1225) POLK, JAMES ACME MARKET-NEWTOWN SQ
Clock (arrival): 06:57 AM
Time (from last stop): 0 hr(s), 6.25 min. (= 0.104 hrs)
Time (from start): 0 hr(s), 57.30 min. (= 0.955 hrs)
Distance(from last stop): 4.6 mile(s)
Distance(from start): 23.9 mile(s)
Clock (depart): 07:00 AM

Go west, 0.2 mile(s), on ST-3.
Hard turn left, go southeast, 3.6 mile(s), on ST-252.
Turn right, go southwest, 357 ft., on Rose Tree Rd.
Slight turn right, go west, 0.7 mile(s), on Sycamore Mills Rd.

Stop: 11. (D1237) POLK, JAMES 393 SYCAMORE MILLS RD
Clock (arrival): 07:07 AM
Time (from last stop): 0 hr(s), 6.55 min. (= 0.109 hrs)
Time (from start): 1 hr(s), 6.86 min. (= 1.114 hrs)
Distance(from last stop): 4.5 mile(s)
Distance(from start): 28.5 mile(s)
Clock (depart): 07:10 AM

Go northeast, 0.7 mile(s), on Sycamore Mills Rd.
Slight turn left, go northeast, 157 ft., on Rose Tree Rd.
Turn right, go southeast, 1.6 mile(s), on ST-252.

Stop: 12. (D1800) End Shift
Clock (arrival): 07:14 AM
Time (from last stop): 0 hr(s), 3.68 min. (= 0.061 hrs)
Time (from start): 1 hr(s), 13.53 min. (= 1.226 hrs)
Distance(from last stop): 2.4 mile(s)
Distance(from start): 30.8 mile(s)

Clock (final): 07:14 AM
Total Distance: 30.8 mile(s)

Optimizing Schedules

Optimizing Schedules involves taking existing schedules designed by the user and the Interactive Scheduler and determining if further improvements are possible:

1. Improve route efficiency by lowering travel miles and hours for a vehicle route(s)
2. Improve on-time performance
3. Increase trips per hour
4. Increase percentage of service miles and service hours per vehicle
5. Lower average travel time per client

Route Optimization and Trip Swapping are schedules tools designed to assist the user with achieving these results. The Vehicle List display and the Vehicle Productivity Report can assist the user with monitoring the schedule improvements.

Vehicle List																
Vehicle	Tour	Desc	TotMi	XDist	TrTime	XTime	Penalty	SvcMi	SvcM%	TotTime	SvcTime	SvcTime%	Trips	Trips/Hr	STime1	ETime1
66A	66A		14.2	.0	00:24	00:00	.0	14.2	100.0	12:00	00:36	5.1	6	5	0700	1900
66P	66P		14.2	.0	00:24	00:00	.0	14.2	100.0	12:00	00:33	4.7	6	5	0700	1900
9A	9A	108	32.7	.0	01:04	00:00	.0	32.7	100.0	12:00	01:46	14.8	14	1.2	0700	1900
9P	9P	108	65.4	.0	01:43	00:00	.0	57.4	87.7	16:59	02:27	14.5	14	.8	0700	2359
29A	29A	112	169.3	.0	03:29	00:00	.0	169.3	100.0	12:00	04:32	37.9	15	1.3	0700	1900
29P	29P	112	31.8	.0	00:45	00:00	.0	31.8	100.0	12:00	01:25	11.9	12	1.0	0700	1900
30A	30A	112	4.6	.0	00:11	00:00	.0	4.6	99.9	12:00	00:35	5.0	8	.7	0700	1900
30P	30P	112	5.2	.0	00:12	00:00	.0	5.2	99.9	12:00	00:25	3.6	8	.7	0700	1900
10A	10A	113	60.1	.0	01:34	00:00	.0	59.6	99.1	16:59	02:24	14.2	11	.6	0700	2359
10P	10P	113	84.3	.0	02:13	00:00	.0	72.1	85.4	16:59	02:41	15.8	11	.6	0700	2359
7A	7A	116	69.7	.0	01:41	00:00	.0	69.7	100.0	12:00	03:25	28.5	18	1.5	0700	1900
7P	7P	116	107.0	.0	02:32	00:00	.0	107.0	100.0	12:00	03:09	26.3	19	1.6	0700	1900

Route Optimization

PtMS IS Route Optimization will assist users with reducing vehicle drive time and mileage in selected sections of vehicle schedules.

Briefly stated, Route Optimization will take a set of pickups and dropoffs and determine the shortest pickup sequence (for a group of pickups going to a common location) or the shortest drop-off sequence (for a group of trips picked up at a common location at the same time and being taken home).

When can you apply Route Optimization?

- Consecutive pickups going to a common drop-off location.
- Multiple pickups at a common pickup location being dropped off at home.

Requirements for Multiple Pickups going to a Common Destinations

- Pickup times must be flexible so that PtMS IS is allowed to change the pickup time sequence.
- Pickups going to a common site must be consecutive.

- A common drop-off time for all clients will satisfy their scheduling requirements.

Examples of Multiple Pickups Going to a Common DestinationExample 1:

Client A pickup
Client B pickup
Client C pickup
Client D pickup
Client E pickup

Drop-off at Common Destination 1 for Clients A, B, C, D, E

Example 2:

Client A pickup
Client B pickup
Client C pickup
Client D pickup
Client E pickup

Drop-off at Common Destination 1 for Clients A, B, E
Drop-off at Common Destination 2 for Clients C, D

Requirements for Multiple Drop-offs from a Common Pickup Location

- Common pickup time for all clients at the common pickup location.
- Flexible drop-off times.

Examples of Multiple Drop-offs from a common Pickup locationExample 1:

Pickup Client A, B, C at Pickup Location 1 at the same Pickup Time

Drop-off Client B
Drop-off Client A
Drop-off Client C

Example 2:

Pickup Client A, B, C at Pickup Location 1 at the same Pickup Time
Pickup Client D, E at Pickup Location 2 at the same Pickup Time

Drop-off Client A
Drop-off Client D
Drop-off Client C
Drop-off Client B
Drop-off Client E

Route Optimization Example

Multiple Pickups to Common Destination Schedule

PtMSIS - Interactive Scheduler - Trips on 5/17/2007 - ABS

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Trips to be Scheduled

Vehicle	Amb/WC	Name	T/R	D/R	Dist	PAddress	PCity	PickUp	DAddress	DCity	DropOff	OPickUp	ODropOff	PZone	DZone	index
---------	--------	------	-----	-----	------	----------	-------	--------	----------	-------	---------	---------	----------	-------	-------	-------

Providers

☐ ABC - ABC T
☐ ABC - ABC D

Vehicle List

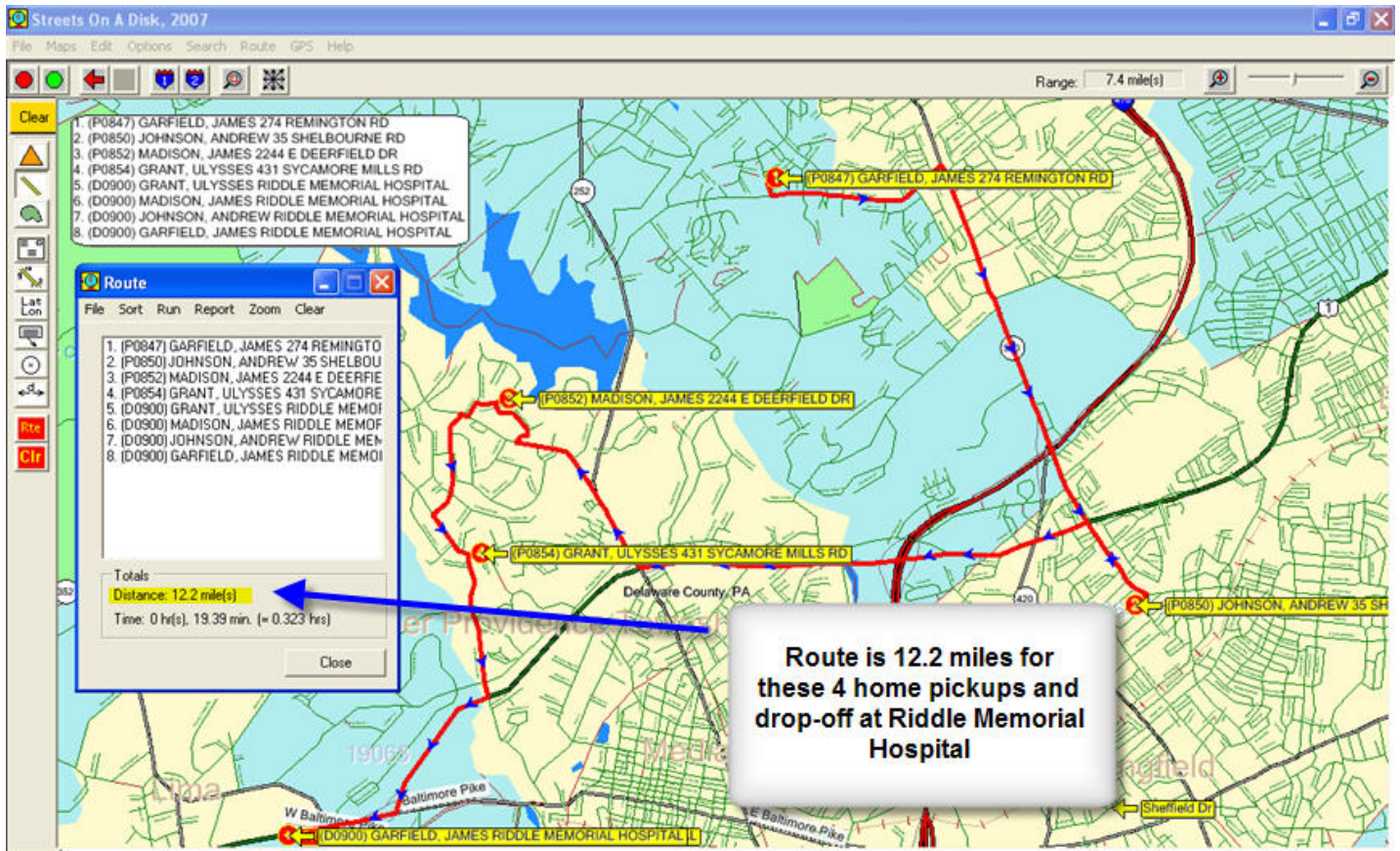
Vehicle	Desc	TotMi	XDist	TrTime	XTime	Penalty	SvcMi	SvcMi%	TotTime	SvcTime	SvcTime%	Trips	Trips/Hr	STime1	ETime1	Amb	WC	GISX	GISY
V01	VAN 01	26.4	.0	00:53	00:00	.0	20.9	79.2	09:00	00:59	11.1	8	9	0600	1500	10	2	1205736283	1

Trips for Vehicle V01 - VAN 01

STime	OSTime	Arr	Dwell	Dep	Dist	Penalty	Blk	Time	Amb	WC	P/D	T/R	Swp	D/R	Zone	Name	Address	City
0600	0600	0600	0.00	0600	.0	.0			0	0	P	R		R	000000	Start Shift		
0847	0847	0805	2.00	0839	3.5	.0		00:26	1	0	P	T	N	R	534497	GARFIELD, JAMES	274 REMINGTON RD	MARPLE
0850	0850	0843	2.00	0845	3.1	.0		00:18	2	0	P	T	N	R	515522	JOHNSON, ANDREW	35 SHELBOURNE RD	SPRINGFIELD
0852	0852	0851	2.00	0853	3.7	.0		00:10	3	0	P	T	N	R	519485	MADISON, JAMES	2244 E DEERFIELD DR	MEDIA
0854	0854	0855	2.00	0857	.9	1.8		00:05	4	0	P	T	N	R	510486	GRANT, ULYSSES	431 SYCAMORE MILLS RD	MEDIA
0900	0900	0901	1.00	0902	1.9	1.3		00:05	3	0	D	T	N	R	493479	GRANT, ULYSSES	RIDDLE MEMORIAL HOSPITAL	MEDIA
0900	0900	0902	0.30	0902	.0	3.3		00:10	2	0	D	T	N	R	493479	MADISON, JAMES	RIDDLE MEMORIAL HOSPITAL	MEDIA
0900	0900	0902	0.30	0903	.0	4.3		00:18	1	0	D	T	N	R	493479	JOHNSON, ANDREW	RIDDLE MEMORIAL HOSPITAL	MEDIA
0900	0900	0903	0.30	0903	.0	5.3		00:26	0	0	D	T	N	R	493479	GARFIELD, JAMES	RIDDLE MEMORIAL HOSPITAL	MEDIA
1200	1200	0903	0.30	1200	.0	.0		00:08	1	0	P	R	N	R	493479	MADISON, JAMES	RIDDLE MEMORIAL HOSPITAL	MEDIA
1200	1200	1200	0.30	1201	.0	.5		00:31	2	0	P	R	N	R	493479	GRANT, ULYSSES	RIDDLE MEMORIAL HOSPITAL	MEDIA
1200	1200	1201	0.30	1201	.0	1.0		00:10	3	0	P	R	N	R	493479	GARFIELD, JAMES	RIDDLE MEMORIAL HOSPITAL	MEDIA
1200	1200	1201	0.30	1202	.0	1.5		00:10	4	0	P	R	N	R	493479	JOHNSON, ANDREW	RIDDLE MEMORIAL HOSPITAL	MEDIA
1209	1208	1208	1.00	1209	2.7	.0								R	519485	MADISON, JAMES	2244 E DEERFIELD DR	MEDIA
1215	1213	1214	1.00	1215	1.9	.0								R	534497	GARFIELD, JAMES	274 REMINGTON RD	MARPLE
1223	1214	1222	1.00	1223	3.1	.0								R	515522	JOHNSON, ANDREW	35 SHELBOURNE RD	SPRINGFIELD
1233	1206	1232	1.00	1233	3.6	.0								R	510486	GRANT, ULYSSES	431 SYCAMORE MILLS RD	MEDIA
1500	1500	1238	0.00	1238	2.0	.0								R	000000	End Shift		

Four consecutive home pickups, all are dropped off at Riddle Memorial Hospital at 9am

Multiple Pickups to Common Destination Route Map



Apply Route Optimization

PtMSIS - Interactive Scheduler - Trips on 5/17/2007 - ABS

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Trips to be Scheduled

Vehicle	Amb/WC	Name	T/R	D/R	Dist	PAddress	PCity	PickUp	DAddress	DCity	DropOff	OPickUp	ODropOff	PZone	DZone	index
V01		VAN 01			26.4			00:53	00:00							

Vehicle List

Vehicle	Desc	TotMi	XDist	TrTime	XTime	Penalty	SvcMi	SvcMi%	TotTime	SvcTime	SvcTime%	Trips	Trips/Hr	STime1	ETime1	Amb	WC	GISX	GISY
V01	VAN 01	26.4	.0	00:53	00:00	.0	20.9	79.2	09:00	00:59	11.1	8	.9	0600	1500	10	2	1205736283	1

Trips for Vehicle V01 - VAN 01

STime	OSTime	Arr	Dwell	Dep	Dist	Penalty	Blk	Time	Amb	WC	P/D	T/R	Swp	D/R	Zone	Name	Address	City
0600	0600	0600	0:00	0600	.0	.0		*	0	0	P	R		R	000000	Start Shift		
0847	0847	0605	2:00	0839	3.5	.0		00:26	1	0	P	T	N	R	534497	GARFIELD, JAMES	274 REMINGTON RD	MARPLE
0850	0850	0843	2:00	0845	3.1	.0		00:18	2	0	P	T	N	R	515522	JOHNSON, ANDREW	35 SHELBOURNE RD	SPRINGFIELD
0852	0852	0851	2:00	0853	3.7	.0		00:10	3	0	P	T	N	R	519485	MADISON, JAMES	2244 E DEERFIELD DR	MEDIA
0854	0854	0855	2:00	0857	.9	1.8		00:05	4	0	P	T	N	R	510486	GRAN	LLS RD	MEDIA
0900	0900	0901	1:00	0902	1.9	1.3		00:05	3	0	D	T	N	R	493479	GRAN	L HOSPITAL	MEDIA
0900	0900	0902	0:30	0902	.0	3.3		00:10	2	0	D	T	N	R	493479	MADP	L HOSPITAL	MEDIA
0900	0900	0902	0:30	0903	.0	4.3		00:18	1	0	D	T	N	R	493479	JOHN	L HOSPITAL	MEDIA
0900	0900	0903	0:30	0903	.0	5.3		00:26	0	0	D	T	N	R	493479	GARF	L HOSPITAL	MEDIA
1200	1200	0903	0:30	1200	.0	.0		00:08	1	0	P	R	N	R	493479	MADI	L HOSPITAL	MEDIA
1200	1200	1200	0:30	1201	.0	.5		00:31							493479	GRAN	L HOSPITAL	MEDIA
1200	1200	1201	0:30	1201	.0	1.0		00:13							493479	GARF	L HOSPITAL	MEDIA
1200	1200	1201	0:30	1202	.0	1.5		00:21							493479	JOHN	L HOSPITAL	MEDIA
1209	1209	1208	1:00	1209	2.7	.0		00:08							519485	MADI	DR	MEDIA
1215	1215	1214	1:00	1215	1.9	.0		00:13							534497	GARF	RD	MARPLE
1223	1214	1222	1:00	1223	3.1	.0		00:21							515522	JOHN	RD	SPRINGFIELD
1233	1206	1232	1:00	1233	3.6	.0		00:31							510486	GRAN	LLS RD	MEDIA
1500	1500	1238	0:00	1238	2.0	.0		*							000000	End S		

Highlight pickups and drop-off, right click and select 'Optimize Route'.

Remove Trip From Vehicle
Trial Remove Trip
Client Details
Destination Details
Clear Map
Highlight Stop
Highlight Selected Stops
Route Stop
Route Selected Stops
Zoom Highlighted Stops
Calculate Route
Cancel Trip
Optimize Route
Reset Scheduled Time

Route Optimization Schedule Savings

PtMSIS - Interactive Scheduler - Trips on 5/17/2007 - ABS

File Edit View Tools Reports Help

Trips to be Scheduled **Providers**

Vehicle	Amb/W/C	Name	T/R	D/R	Dist	PAddress	PCity	PickUp	DAddress	DCity	DropOff	OPickUp	ODropOff	PZone	DZone	index
V01	VAN 01				26.4			00:53	00:00							

Vehicle List

Vehicle	Desc	TotMi	XDist	TTime	XTime	Penalty	SvcMi	SvcM
V01	VAN 01	26.4	.0	00:53	00:00		.0	20.9

Trips for Vehicle V01

STime	OSTime	Arr	Time	Amb
0600	0600	0600		
0838	0850	0603	00:22	
0845	0847	0835	00:16	
0850	0852	0840	00:10	
0855	0854	0845	00:04	
0900	0900	0850	00:04	
0900	0900	0851	00:10	
0900	0900	0851	0:30	0852
0900	0900	0852	0:30	0852
1200	1200	0852	0:30	1200
1200	1200			
1200	1200			
1200	1200			
1209	1208			
1215	1213			
1223	1214			
1233	1206			
1500	1500			

Trips

Trips	Trips/Hr	STime1	ETime1	Amb	W/C	GISX	GI
8	9	0600	1500	10	2	1205736283	1

Providers

Trips	Name	Address	City
00000	Start Shift		
5522	JOHNSON, ANDREW	35 SHELBOURNE RD	SPRINGFIELD
4497	GARFIELD, JAMES	274 REMINGTON RD	MARPLE
9485	MADISON, JAMES	2244 E DEERFIELD DR	MEDIA
10486	GRANT, ULYSSES	431 SYCAMORE MILLS RD	MEDIA
493479	GRANT, ULYSSES	RIDDLE MEMORIAL HOSPITAL	MEDIA
493479	MADISON, JAMES	RIDDLE MEMORIAL HOSPITAL	MEDIA
493479	JOHNSON, ANDREW	RIDDLE MEMORIAL HOSPITAL	MEDIA
493479	GARFIELD, JAMES	RIDDLE MEMORIAL HOSPITAL	MEDIA
493479	MADISON, JAMES	RIDDLE MEMORIAL HOSPITAL	MEDIA
493479	GRANT, ULYSSES	RIDDLE MEMORIAL HOSPITAL	MEDIA
493479	GARFIELD, JAMES	RIDDLE MEMORIAL HOSPITAL	MEDIA
493479	JOHNSON, ANDREW	RIDDLE MEMORIAL HOSPITAL	MEDIA
519485	MADISON, JAMES	2244 E DEERFIELD DR	MEDIA
534497	GARFIELD, JAMES	274 REMINGTON RD	MARPLE
515522	JOHNSON, ANDREW	35 SHELBOURNE RD	SPRINGFIELD
510486	GRANT, ULYSSES	431 SYCAMORE MILLS RD	MEDIA
000000	End Shift		

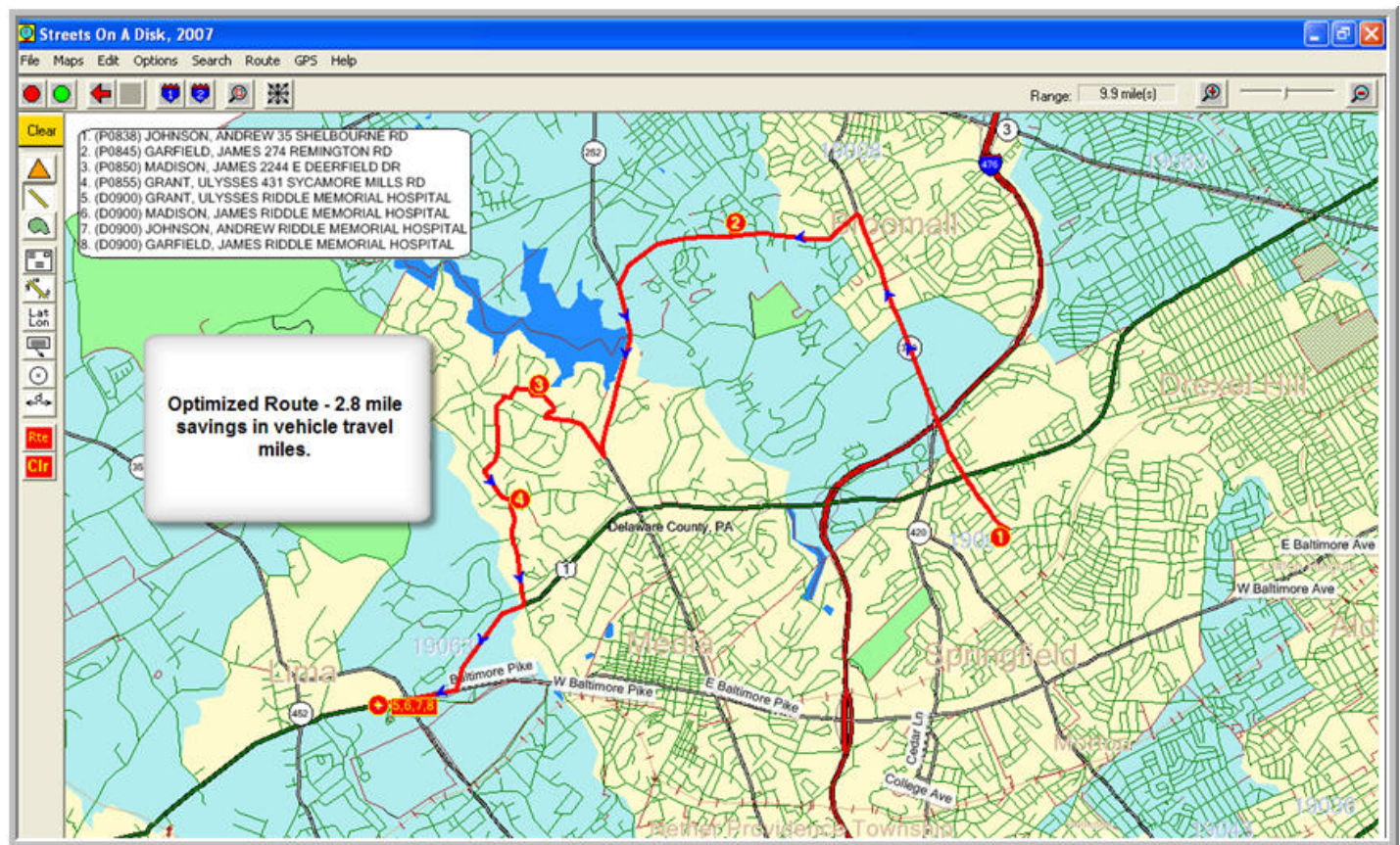
Trip Optimization

Trips Optimized - Saved 2.8 miles

OK Cancel

Annotations:

- The trip pickup times that are revised by optimization are highlighted. You can compare the Original Schedule time to the Scheduled time to see the changes.
- Trip Optimization dialogue box shows the amount of miles saved from the optimization changes made in the schedule
- Select OK to make the changes permanent, or cancel to undo the changes and return the schedule to the Original Scheduled Times.



Trip Swapping

What is Trip Swapping?

Trip Swapping means to move an existing scheduled trip to a new vehicle in order to find better vehicle options for a trip you are trying to schedule

The "swap" creates a space for the new trip to be added to an existing Vehicle's schedule. The moved or swapped trip must also be scheduled on a different vehicle.

The net effect of the swap should be:

- On-Time Performance is maintained or improved for both trips
- Total vehicles miles added to both vehicle schedules is reduced

For a more detailed description of trip swapping procedures, refer to the help article on [Trip Swapping](#).

Trip Swapping Procedures

How to Review Swap Options

1. Select a reference trip to schedule in the "Trips to Be Scheduled Window"
2. Click on the "Calculate Swaps" button
3. Click on the "Vehicle Column" to review where the reference trip is being scheduled after the swap
4. Click on the "Veh1, Veh2, or Veh2" columns to view where the swapped trip will be scheduled

PtMSIS - Interactive Scheduler - Trips on 6/20/2005(55)

File Edit View Tools Help

Trips to be Scheduled

Vehicle	Amb/WC	Name	T/R	D/R	Dist	PAddress	PickUp	OPickUp	PZone	DAddress	DropOff	ODropOff	DZone	index
999	AMB	FORD, GERALD	R	R	2.0	UPPER PROV TOWNSHIP BLDG	1215	1215	508497	490 GLENWOOD LN	1220	1220	492501	1
999	AMB	HOOVER, HERBERT	T	R	1.0	193 SANDY BANK RD	1130	1130	509499	MEDIA THEATRE	1200	1200	499499	2
999	AMB					WOOD LN	0924	0924	492501	UPPER PROV TOWNSHIP BLDG	0930	0930	508497	3
999	AMB					HEATRE	1530	1530	499499	193 SANDY BANK RD	1533	1533	509499	4

calculate Return Drop Offs

Calculate Swaps

The selected Trip to Be Scheduled is scheduled on the vehicle in the far left column of the swap window. The swapped out trip is removed from the vehicle and scheduled on other vehicles. The best 3 vehicle options are displayed.

Click on calculate swaps to generate the swap table options listed below.

Version 0.79

Swap List

includes adding reference trip for GERALD FORD to vehicle in left column

Vehicle	Veh1	Veh2	Veh3	XDist	XTime	XDPenalty	XTPenalty	Penalty	XDist1	XTime1	XDPen1	XTPen1	Penalty1	XDist2	XTime2	XDPen2	XTPen2	Penalty2	XDist3	XTime3	XDPen3	XTPen3
V01	XYZ	V02	EAS	-8.8	-00:23	-36.0	.0	-36.0	-6.3	-00:17	-41.7	.0	-41.7	-2.5	-00:06	-22.7	.0	-22.7	-5	-00:03	-12.5	
EAS	XYZ	V02	V01	-7.1	-00:19	-22.9	.0	-22.9	-6.7	-00:18	-43.4	4.0	-39.4	-1.6	-00:04	-18.1	.0	-18.1	-1.5	-00:06	-17.6	37
XYZ		V02	V01	-4.7	-00:12	-24.9	.0	-24.9	-4.7	-00:12	-33.3	4.0	-29.3	-1.3	-00:03	-16.4	.0	-16.4	-1	-00:02	-10.3	32

By clicking on a Vehicle, Veh1, Veh2, or Veh3 the trips for the selected vehicle will display in the Trips for Vehicle XX window below.

Vehicle	Veh1	Veh2	Veh3	XDist	XTime	XDPenalty	XTPenalty	Penalty	XDist1	XTime1	XDPen1	XTPen1	Penalty1	XDist2	XTime2	XDPen2	XTPen2	Penalty2	XDist3	XTime3	XDPen3	XTPen3
V02				-10.2	.0	-10.2	.0	-10.2	01:05	5	.2	0100	2300	99	0	1205736283	1034874427	ACME/TROLLEY STOP	MEDIA	5		
EAS				-8.3	.0	-8.3	.0	-8.3	00:32	4	.3	0600	1800	10	2	1205736283	1034874427	ACME/TROLLEY STOP	MEDIA	4		
V01				-1.4	.0	-1.4	.0	-1.4	00:46	4	.3	0600	2000	99	0	1205736283	1034874427	ACME/TROLLEY STOP	MEDIA	2		
V01	19.2	1.1	00:52	00:00	.0	-4.6	20.9	16.3	00:52	6	.5	0600	1800	10	2	1205736283	1034874427	ACME/TROLLEY STOP	MEDIA	3		

Trips for Vehicle V01

STime	OSTime	Arr	Dwell	Dep	Dist	Penalty	Blk	Amb	WC	P/D	T/R	Swp	D/R	Zone	Name	Address	City	GISX	G
0600	0600	0600	0:00	0600	.0	.0		0	0	P	R		R	000000	Start Shift			1205736283	1
0920	0920	0604	2:00	0922	1.7	.0		1	0	P	T	N	R	505491	LINCOLN, ABRAHAM	1110 WOODEN WAY DR	MEDIA	1205507865	1
0928	0928	0924	1:00	0925	1.1	.0		0	0	D	T	N	R	500497	LINCOLN, ABRAHAM	DELAWARE CO COURTHOUSE	MEDIA	1205625423	1
0945	0945	0945	2:00	0947	.0	.0		1	0	P	T	X	R	000000	BREAK TIME, ADMIN	BREAK TIME		0	0
1015	1015	1015	1:00	1016	.0	.0		0	0	D	T	X	R	000000	BREAK TIME, ADMIN	BREAK TIME		0	0
1057	1057	1016	2:00	1059	.0	.0		1	0	P	R	N	R	492478	WASHINGTON, GEORGE	GRANITE RUN MALL	MEDIA	1205232370	1
1150	1150	1106	2:00	1152	2.7	.0		2	0	P	R	N	R	500497	LINCOLN, ABRAHAM	DELAWARE CO COURTHOUSE	MEDIA	1205625423	1
1153	1153	1153	1:00	1154	.5	.0		1	0	D	R	N	R	498500	WASHINGTON, GEORGE	122 E JEFFERSON ST	MEDIA	1205673321	1
1159	1159	1158	1:00	1159	1.6	.0		0	0	D	R	N	R	505491	LINCOLN, ABRAHAM	1110 WOODEN WAY DR	MEDIA	1205507865	1
1215	1215	1202	2:00	1217	.9	.0		1	0	P	R	N	R	508497	FORD, GERALD	UPPER PROV TOWNSHIP BLDG	MEDIA	1205630269	1
1220	1220	1222	1:00	1223	2.0	.0		0	0	D	R	N	R	492501	FORD, GERALD	490 GLENWOOD LN	MEDIA	1205709370	1

PtMSIS - Interactive Scheduler - Trips on 6/20/2005(55)

File Edit View Tools Help

Trips to be Scheduled

Vehicle	Amb/WC	Name	T/R	D/R	Dist	PAddress	PickUp	OPickUp	PZone	DAddress	DropOff	ODropOff	DZone	index
999	AMB	FORD, GERALD	R	R	2.0	UPPER PROV TOWNSHIP BLDG	1215	1215	508497	490 GLENWOOD LN	1220	1220	492501	1
999	AMB	HOOVER, HERBERT	T	R	1.0	193 SANDY BANK RD	1130	1130	509499	MEDIA THEATRE	1200	1200	499499	2
99			R	R	2.0	490 GLENWOOD LN	0924	0924	492501	UPPER PROV TOWNSHIP BLDG	0930	0930	508497	3
99			R	R	1.0	MEDIA THEATRE	1530	1530	499499	193 SANDY BANK RD	1533	1533	509499	4

Recalculate Return Drop Offs Calculate Swaps

Version 0.79

Scroll the swap table to the right to display the trip detail information on the trip record that has been removed from the "Vehicle" and moved to one of the optional vehicles: Veh1, Veh2, Veh3

Swap List - Includes adding reference trip for GERALD FORD to vehicle in left column

Dist3	XTime3	XDPen3	XTPen3	Penalty3	Amb/WC	Name	T/R	D/R	Dist	PAddress	PickUp	PZone	DAddress	DropOff	DZone	index
-5	-00:03	-12.5	.0	-12.5	AMB	POLK, JAMES	R	R	3.6	ACME MARKET-NEWTOWN SQ	1225	544484	393 SYCAMORE MILLS RD	1237	511486	0
-1.5	-00:06	-17.6	37.8	20.2	AMB	CARTER, JIMMY	R	R	4.5	DELAWARE CO COMM COLLEGE	1155	530487	60 W LINCOLN ST	1209	496498	2
-1	-00:02	-10.3	32.9	22.7	AMB	ROOSEVELT, THEODORE	R	R	1.7	NEWTOWN SQ MUNICIPAL BLDG	1155	531480	2351 MARTINGALE RD	1202	515481	1

Vehicle List

Vehicle	Dist	XDist	Time	XTime	TPenalty	XDPenalty	XTPenalty	Penal	TTime	Trips	Trips/Hr	STime1	ETime1	Amb	WC	GISX	GISY	SE_Address	SE_City	index
XYZ	24.2	.0	01:06	-00:00	1.5	-10.2	.0	-10.2	01:05	5	.2	0100	2300	99	0	1205736283	1034874427	ACME/TROLLEY STOP	MEDIA	5
V02	11.6	.3	00:31	00:00	2.9	-8.3	.0	-8.3	00:32	4	.3	0600	1800	10	2	1205736283	1034874427	ACME/TROLLEY STOP	MEDIA	4
EAS	15.2	1.7	00:41	00:04	.0	-1.4	.0	-1.4	00:46	4	.3	0600	2000	99	0	1205736283	1034874427	ACME/TROLLEY STOP	MEDIA	2
V01	19.2	1.1	00:52	00:00	.0	-4.6	20.9	16.3	00:52	6	.5	0600	1800	10	2	1205736283	1034874427	ACME/TROLLEY STOP	MEDIA	3

Trips for Vehicle V01

STime	OSTime	Arr	Dwell	Dep	Dist	Penalty	Blk	Amb	WC	P/D	T/R	Swp	D/R	Zone	Name	Address	City	GISX	G
0600	0600	0600	0:00	0600	.0	.0		0	0	P	R		R	000000	Start Shift			1205736283	1
0920	0920	0604	2:00	0922	1.7	.0		1	0	P	T	N	R	505491	LINCOLN, ABRAHAM	1110 WOODDED WAY DR	MEDIA	1205507865	1
0928	0928	0924	1:00	0925	1.1	.0		0	0	D	T	N	R	500497	LINCOLN, ABRAHAM	DELAWARE CO COURTHOUSE	MEDIA	1205625423	1
0945	0945	0945	2:00	0947	.0	.0		1	0	P	T	X	R	000000	BREAK TIME, ADMIN	BREAK TIME		0	0
1015	1015	1015	1:00	1016	.0	.0		0	0	D	T	X	R	000000	BREAK TIME, ADMIN	BREAK TIME		0	0
1057	1057	1016	2:00	1059	.0	.0		1	0	P	R	N	R	492478	WASHINGTON, GEORGE	GRANITE RUN MALL	MEDIA	1205232370	1
1150	1150	1106	2:00	1152	2.7	.0		2	0	P	R	N	R	500497	LINCOLN, ABRAHAM	DELAWARE CO COURTHOUSE	MEDIA	1205625423	1
1153	1153	1153	1:00	1154	.5	.0		1	0	D	R	N	R	498500	WASHINGTON, GEORGE	122 E JEFFERSON ST	MEDIA	1205673321	1
1159	1159	1158	1:00	1159	1.6	.0		0	0	D	R	N	R	505491	LINCOLN, ABRAHAM	1110 WOODDED WAY DR	MEDIA	1205507865	1
1215	1215	1202	2:00	1217	.9	.0		1	0	P	R	N	R	508497	FORD, GERALD	UPPER PROV TOWNSHIP BLDG	MEDIA	1205630269	1
1220	1220	1222	1:00	1223	2.0	.0		0	0	D	R	N	R	492501	FORD, GERALD	490 GLENWOOD LN	MEDIA	1205709370	1

How to Make the Swap

PtMSIS - Interactive Scheduler - Trips on 6/20/2005(55)

File Edit View Tools Help

Trips to be Scheduled

Vehicle	Amb/WC	Name	T/R	D/R	Dist	PAddress	PickUp	OPickUp	PZone	DAddress	DropOff	ODropOff	DZone	index
999	AMB	FORD, GERALD	R	R	2.0	UPPER PROV TOWNSHIP BLDG	1215	1215	508497	490 GLENWOOD LN	1220	1220	492501	1
999	AMB	HOOVER, HERBERT	T	R	1.0	193 SANDY BANK RD	1130	1130	509499	MEDIA THEATRE	1200	1200	499499	2
999	AMB	FORD, GERALD	T	R	2.0	490 GLENWOOD LN	0924	0924	492501	UPPER PROV TOWNSHIP BLDG	0930	0930	508497	3
999	AMB	HOOVER, HERBERT	R	R	1.0	MEDIA THEATRE	1530	1530	499499	193 SANDY BANK RD	1533	1533	509499	4

Recalculate Return Drop Offs Calculate Swaps

Mouse down Right click on the Veh1 (2 or 3) to complete the swap. This will schedule the reference trip on the "Vehicle" and move the swapped trip to Veh1.

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Swap List

Vehicle	Veh1	Veh2	Veh3	XDist	XTime	XDPenalty	XTPenalty	Penalty	XDist1	XTime1	XDPen1	XTPen1	Penalty1	XDist2	XTime2	XDPen2	XTPen2	Penalty2	XDist3	XTime3	XDPen3	XTPen3
V01	XYZ	V02	EAS	0.0	00:00	0.0	0.0	0.0	-36.0	-6.3	-00:17	-41.7	0.0	-41.7	-2.5	-00:06	-22.7	0.0	-22.7	-5.5	-00:03	-12.5
EAS	XYZ	V02	V01	-4.7	-00:12	-24.9	0.0	-22.9	-6.7	-00:18	-43.4	4.0	-39.4	-1.6	-00:04	-18.1	0.0	-18.1	-1.5	-00:06	-17.6	37.0
XYZ	EAS	V02	V01	-4.7	-00:12	-24.9	0.0	-24.9	-4.7	-00:12	-33.3	4.0	-29.3	-1.3	-00:03	-16.4	0.0	-16.4	-1.1	-00:02	-10.3	32.0

Swap Trip from vehicle V01 to vehicle XYZ

Vehicle List

Vehicle	Dist	XDist	Time	XTime	TPenalty	XDPenalty	XTPenalty	Penal	TTime	Trips	Trips/Hr	STime1	ETime1	Amb	WC	GISX	GISY	SE_Address	SE_City	index
XYZ	24.2	0.0	01:06	-00:00	1.5	-10.2	0.0	-10.2	01:05	5	2	0100	2300	99	0	1205736283	1034874427	ACME/TROLLEY STOP	MEDIA	5
V02	11.6	0.3	00:31	00:00	2.9	-8.3	0.0	-8.3	00:32	4	3	0600	1800	10	2	1205736283	1034874427	ACME/TROLLEY STOP	MEDIA	4
EAS	15.2	1.7	00:41	00:04	0.0	-1.4	0.0	-1.4	00:46	4	3	0600	2000	99	0	1205736283	1034874427	ACME/TROLLEY STOP	MEDIA	2
V01	19.2	1.1	00:52	00:00	0.0	-4.6	20.9	16.3	00:52	6	5	0600	1800	10	2	1205736283	1034874427	ACME/TROLLEY STOP	MEDIA	3

Trips for Vehicle V01

STime	OSTime	Arr	Dwell	Dep	Dist	Penalty	Blk	Amb	WC	P/D	T/R	Swp	D/R	Zone	Name	Address	City	GISX	G
0600	0600	0600	0:00	0600	0.0	0.0		0	0	P	R		R	000000	Start Shift			1205736283	1
0920	0920	0604	2:00	0922	1.7	0.0		1	0	P	T		R	505491	LINCOLN, ABRAHAM	1110 WOODDED WAY DR	MEDIA	1205507865	1
0928	0928	0924	1:00	0925	1.1	0.0		0	0	D	T		R	500497	LINCOLN, ABRAHAM	DELAWARE CO COURTHOUSE	MEDIA	1205625423	1
0945	0945	0945	2:00	0947	0.0	0.0		1	0	P	T	X	R	000000	BREAK TIME, ADMIN	BREAK TIME		0	0
1015	1015	1015	1:00	1016	0.0	0.0		0	0	D	T	X	R	000000	BREAK TIME, ADMIN	BREAK TIME		0	0
1057	1057	1016	2:00	1059	0.0	0.0		1	0	P	R		R	492478	WASHINGTON, GEORGE	GRANITE RUN MALL	MEDIA	1205232370	1
1150	1150	1106	2:00	1152	2.7	0.0		2	0	P	R		R	500497	LINCOLN, ABRAHAM	DELAWARE CO COURTHOUSE	MEDIA	1205625423	1
1153	1153	1153	1:00	1154	0.5	0.0		1	0	D	R		R	498500	WASHINGTON, GEORGE	122 E JEFFERSON ST	MEDIA	1205673321	1
1159	1159	1158	1:00	1159	1.6	0.0		0	0	D	R		R	505491	LINCOLN, ABRAHAM	1110 WOODDED WAY DR	MEDIA	1205507865	1
1215	1215	1202	2:00	1217	0.9	0.0		1	0	P	R		R	508497	FORD, GERALD	UPPER PROV TOWNSHIP BLDG	MEDIA	1205630269	1
1220	1220	1222	1:00	1223	2.0	0.0		0	0	D	R		R	492501	FORD, GERALD	490 GLENWOOD LN	MEDIA	1205709370	1

Reviewing Both Trips Scheduled

PtMSIS - Interactive Scheduler - Trips on 6/20/2005(55)

File Edit View Tools Help

Trips to be Scheduled

Vehicle	Amb/WC	Name	T/R	D/R	Dist	PAddress	PickUp	OPickUp	PZone	DAddress	DropOff	ODropOff	DZone	index
999	AMB	HOOVER, HERBERT	T	R	1.0	193 SANDY BANK RD	1130	1130	509499	MEDIA THEATRE	1200	1200	499499	1
999	AMB	FORD, GERALD	T	R	2.0	490 GLENWOOD LN	0924	0924	492501	UPPER PROV TOWNSHIP BLDG	0930	0930	508497	2
999	AMB	HOOVER, HERBERT	R	R	1.0	MEDIA THEATRE	1530	1530	499499	193 SANDY BANK RD	1533	1533	509499	3

Remove Ref Trip Recalculate Return Drop Offs Calculate Swaps

Vehicle list clicked at 7/14/2005 11:42:50 PM Current row = 2 current cell = 0 event = System.EventArgs
Add reference trip for GERALD FORD at 12:15 to vehicle V01. Swap out trip for JAMES POLK at 12:25 to vehicle XYZ.

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Vehicle List

Vehicle	Dist	XDist	Time	XTime	TPenalty	XDPenalty	XTPenalty	Penal	TTime	Trips	Trips/Hr	STime1	ETime1	Amb	WC	GISX	GISY	SE_Address	SE_City	index
EAS	13.8	.0	00:37	00:00	.0	.0	.0	.0	00:37	3	2	0600	2000	99	0	1205736283	1034874427	ACME/TROLLEY STOP	MEDIA	2
V01	10.4	.0	00:28	00:00	.0	.0	.0	.0	00:28	5	4	0600	1800	10	2	1205736283	1034874427	ACME/TROLLEY STOP	MEDIA	3
V02	9.4	.0	00:25	00:00	2.9	.0	.0	.0	00:25	3	3	0600	1800	10	2	1205736283	1034874427	ACME/TROLLEY STOP	MEDIA	4
XYZ	26.7	.0	01:12	00:00	1.5	.0	.0	.0	01:12	5	2	0100	2300	99	0	1205736283	1034874427	ACME/TROLLEY STOP	MEDIA	5

Trips for Vehicle V01

STime	OSTime	Arr	Dwell	Dep	Dist	Penalty	Blk	Amb	WC	P/D	T/R	Swp	D/R	Zone	Name	Address	City	GISX	GISY	index
0600	0600	0600	0:00	0600	.0	.0		0	0	P	R	N	R	000000	Start Shift		MEDIA	1205736283	1034874427	
0920	0920	0604	2:00	0922	1.7	.0		2	0	P	R	N	R	505491	LINCOLN, ABRAHAM	1110 WOODED WAY DR	MEDIA	1205507865	1034981921	
0928	0928	0924	1:00	0925	1.1	.0		500497	LINCOLN, ABRAHAM	DELAWARE CO COURTHOUSE	MEDIA	1205625423	1034883110							
0945	0945	0945	2:00	0947	.0	.0		000000	BREAK TIME, ADMIN	BREAK TIME		0	0							
1015	1015	1015	1:00	1016	.0	.0		000000	BREAK TIME, ADMIN	BREAK TIME		0	0							
1057	1057	1016	2:00	1059	.0	.0		492478	WASHINGTON, GEORGE	GRANITE RUN MALL	MEDIA	1205232370	1034728733							
1150	1150	1106	2:00	1152	2.7	.0		500497	LINCOLN, ABRAHAM	DELAWARE CO COURTHOUSE	MEDIA	1205625423	1034883110							
1153	1153	1153	1:00	1154	.5	.0		498500	WASHINGTON, GEORGE	122 E JEFFERSON ST	MEDIA	1205673321	1034834132							
1159	1159	1158	1:00	1159	1.6	.0		505491	LINCOLN, ABRAHAM	1110 WOODED WAY DR	MEDIA	1205507865	1034981921							
1215	1215	1202	2:00	1217	.9	.0		508497	FORD, GERALD	UPPER PROV TOWNSHIP BLDG	MEDIA	1205630269	1035039085							
1220	1220	1222	1:00	1223	2.0	.0		492501	FORD, GERALD	490 GLENWOOD LN	MEDIA	1205709370	1034718746							
1800	1800	1800	0:00	1800	.0	.0		000000	End Shift											

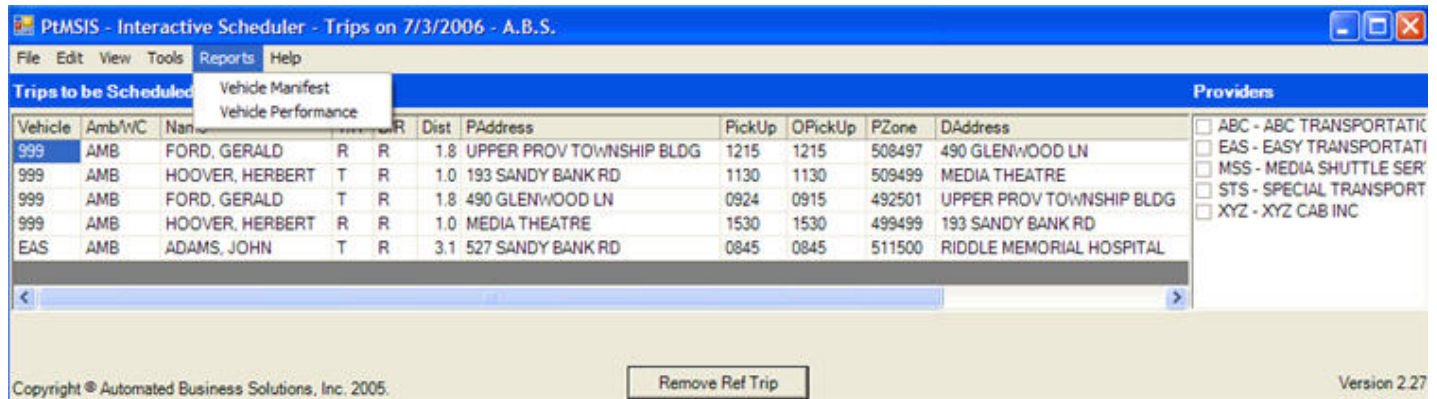
The reference trip from the Trips to Be Scheduled has been scheduled on V01 and the swapped trip is now scheduled on XYZ.

Trips for Vehicle XYZ

STime	OSTime	Arr	Dwell	Dep	Dist	Penalty	Blk	Amb	WC	P/D	T/R	Swp	D/R	Zone	Name	Address	City	GISX	GISY	index
0100	0100	0100	0:00	0100	.0	.0		0	0	P	R	N	R	000000	Start Shift		MEDIA	1205736283	1034874427	
0832	0832	0102	2:00	0834	.8	.0		1	0	P	T	N	R	496498	CARTER, JIMMY	60 W LINCOLN ST	MEDIA	1205638065	1034981921	
0848	0848	0843	2:00	0850	3.5	.0		2	0	P	T	N	R	515481	ROOSEVELT, THEODORE	2351 MARTINGALE RD	MEDIA	1205297809	1034883110	
0900	0900	0854	1:00	0855	1.7	.0		1	0	D	T	N	R	531480	ROOSEVELT, THEODORE	NEWTOWN SQ MUNICIPAL BLDG	NEWTOWN SQUARE	1205284866	1034883110	
0905	0905	0857	1:00	0858	.7	.0		0	0	D	T	N	R	530487	CARTER, JIMMY	DELAWARE CO COMM COLLEGE	MARPLE	1205422814	1034883110	
0922	0922	0910	2:00	0924	4.5	.0		1	0	P	T	N	R	498500	WASHINGTON, GEORGE	122 E JEFFERSON ST	MEDIA	1205673321	1034883110	
0930	0930	0931	1:00	0932	2.7	1.5		0	0	D	T	N	R	492478	WASHINGTON, GEORGE	GRANITE RUN MALL	MEDIA	1205232370	1034883110	
1155	1155	0943	2:00	1157	4.1	.0		1	0	P	R	N	R	531480	ROOSEVELT, THEODORE	NEWTOWN SQ MUNICIPAL BLDG	NEWTOWN SQUARE	1205284866	1034883110	
1202	1202	1201	1:00	1202	1.7	.0		0	0	D	R	N	R	515481	ROOSEVELT, THEODORE	2351 MARTINGALE RD	MEDIA	1205297809	1034883110	
1225	1225	1211	2:00	1227	3.2	.0		1	0	P	R	N	R	544484	POLK, JAMES	ACME MARKET-NEWTOWN SQ	NEWTOWN SQUARE	1205359601	1034883110	
1234	1237	1236	1:00	1237	3.6	.0		0	0	D	R	N	R	511486	POLK, JAMES	393 SYCAMORE MILLS RD	MEDIA	1205405502	1034883110	
2300	2300	2300	0:00	2300	.0	.0		0	0	D	R	N	R	000000	End Shift		MEDIA	1205736283	1034874427	

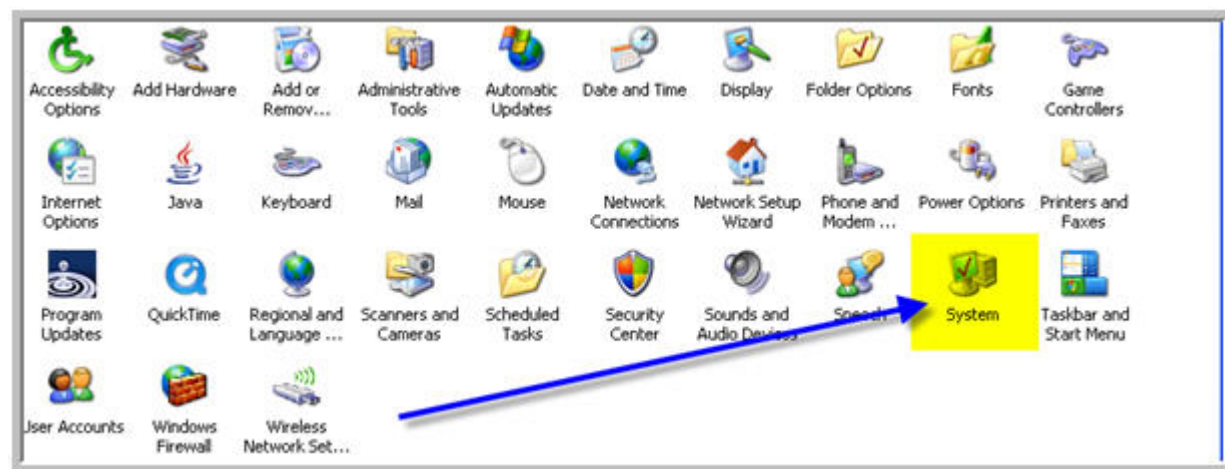
Reports

The Report Menu can be accessed from the menu bar of the Interactive Scheduler:

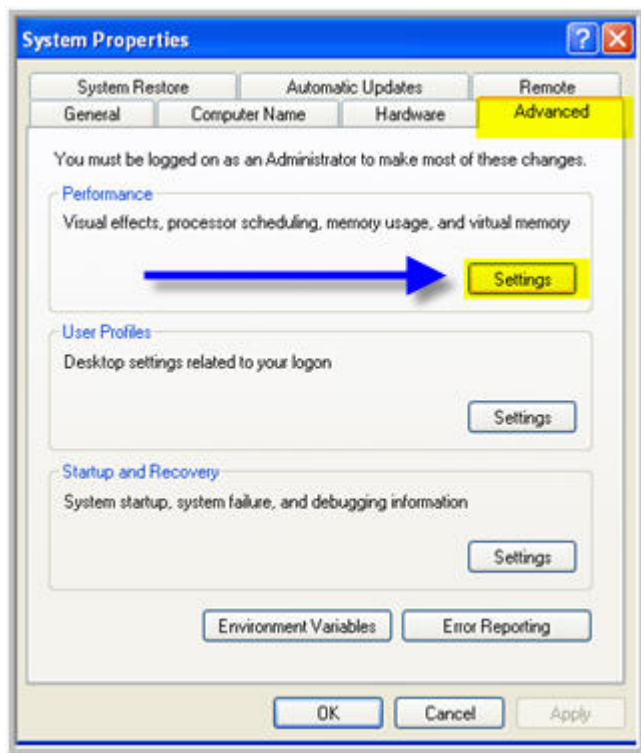


Increasing Windows Virtual Memory to Improve Reporting

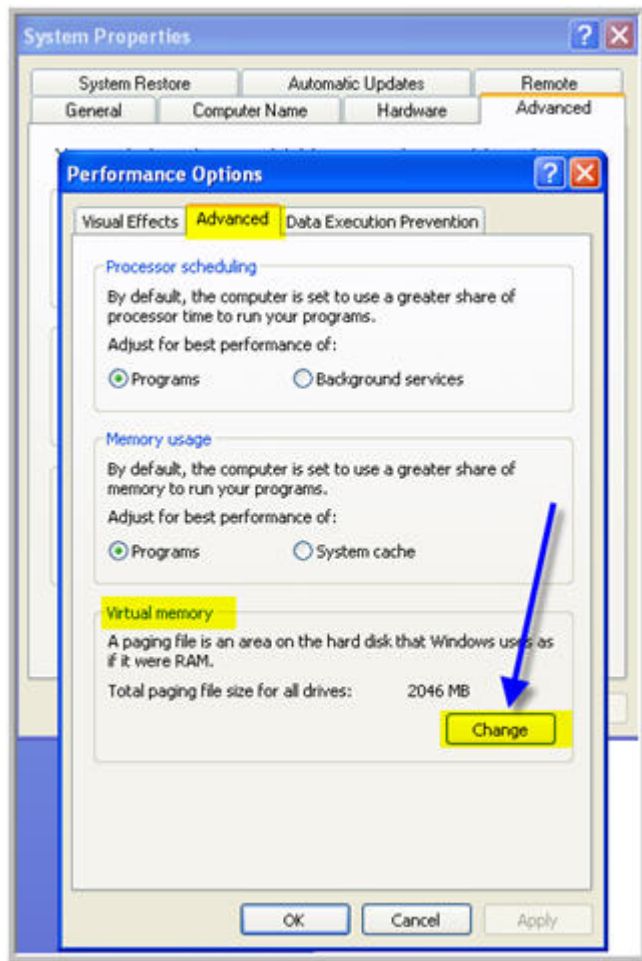
Go to your Windows Control Panel and Select the "System" option:



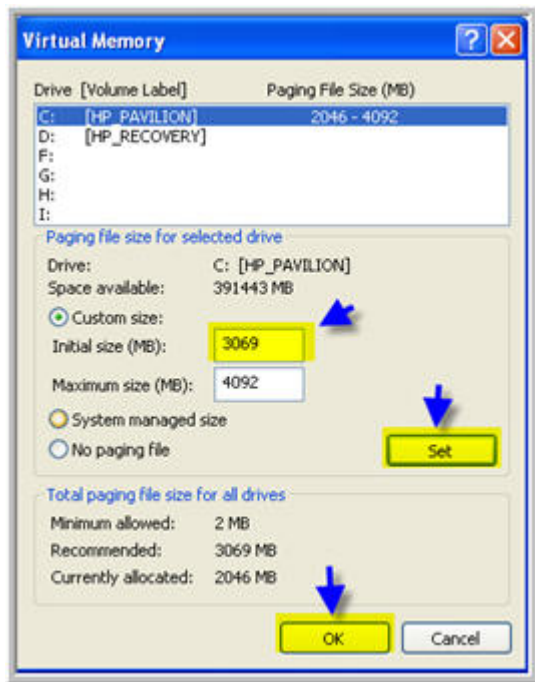
Click on the Advanced Tab and then select Performance Settings:



On the Performance Options window select the Advanced Tab and then select "Change" Virtual Memory.



Increase your virtual memory, select Set, then select OK.



Vehicle Manifest in Stop Order

Select Vehicle Manifest in Stop Order from the Report Menu.

Choose the report options.

The screenshot shows a software window titled "Vehicle Manifest in Stop Order". At the top left is a "Create Report" button. Below it are two columns of checkboxes. The first column lists vehicle identifiers: 999 (ABC), EAS (EAS), **V01 (ABC)** (which is selected and highlighted), V02 (ABC), V03 (ABC), and XYZ (XYZ). The second column lists providers: ABC - ABC TRANSPORTATION, EAS - EASY TRANSPORTATION, MSS - MEDIA SHUTTLE SERVICE, STS - SPECIAL TRANSPORTATION SERVICES, and XYZ - XYZ CAB INC. To the right of these columns are three checkboxes: **Bar Code** (selected), "Font - Title", and "Font - Body". Below these is a "Sample Title Style" section showing "Sample Body Style".

Three black arrows point from a central instruction box to the "V01 (ABC)" checkbox, the "ABC - ABC TRANSPORTATION" checkbox, and the "Bar Code" checkbox.

**Select by Vehicle
Select by Provider
Print Bar Code**

**Each new vehicle's manifest starts
at the top of a new page**

Click on Create Report to preview the report.

Vehicle Manifest in Stop Order

New Report

Vehicle: V01 Date of Service: 10/9/2006

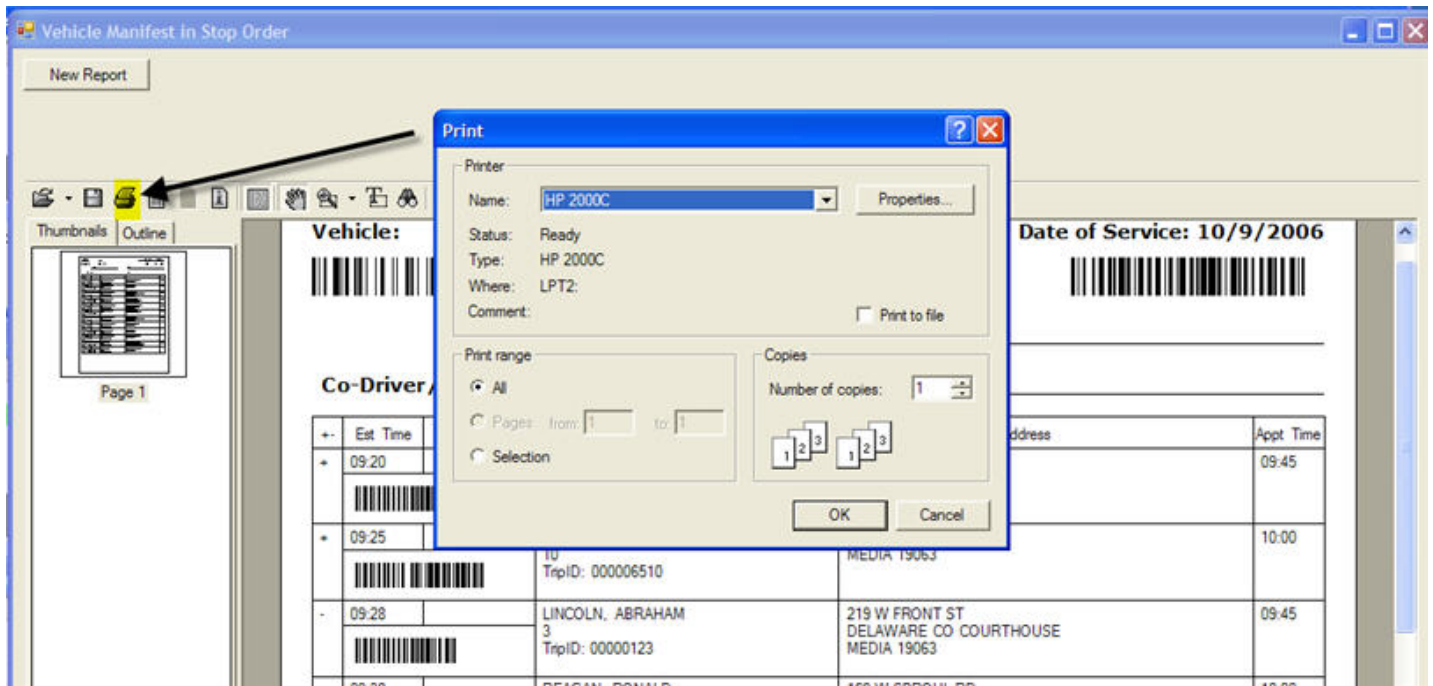
Driver: _____ Signature: _____

Co-Driver/Escort: _____ Signature: _____

++	Est Time	Act Time	Client	Pickup/Dropoff Address	Appt Time
+	09:20		LINCOLN, ABRAHAM 3 TripID: 00000123	1110 WOODED WAY DR MEDIA 19063	09:45
+	09:25		REAGAN, RONALD 10 TripID: 000006510	39 W RIDGE RD MEDIA 19063	10:00
-	09:28		LINCOLN, ABRAHAM 3 TripID: 00000123	219 W FRONT ST DELAWARE CO COURTHOUSE MEDIA 19063	09:45
-	09:38		REAGAN, RONALD 10 TripID: 000006510	169 W SPROUL RD SPRINGFIELD HOSPITAL SPRINGFIELD 19064	10:00
+	10:57		WASHINGTON, GEORGE 2 TripID: 00000092	1079 W BALTIMORE PIKE GRANITE RUN MALL MEDIA 19063	11:05
+	11:25		REAGAN, RONALD 10 TripID: 000006810	169 W SPROUL RD SPRINGFIELD HOSPITAL SPRINGFIELD 19064	11:30
+	11:50		LINCOLN, ABRAHAM 3 TripID: 00000133	219 W FRONT ST DELAWARE CO COURTHOUSE MEDIA 19063	12:00

100% 1 of 1 Ready

Select the print option from the tool bar to send the report to the printer.



Vehicle Performance

Select Vehicle Performance from the Report Menu.

Choose the report options.

The screenshot shows a software window titled "VehiclePerformance". Inside, there is a yellow "Create Report" button at the top left. Below it is a "Sort By:" section with a list of radio buttons: "Vehicle" (selected), "Decription", "Total Miles", "Travel Time", "Service Miles", "Service Miles %", "Service Time", "Service Time %", "Trips", and "Trips Per Hour". Below the list is a "Descending" checkbox. Further down are two font style preview buttons: "Font - Title" and "Font - Body". Below these are two text samples: "Sample Title Style" and "Sample Body Style". In the center of the window is a large, light blue rounded rectangle containing the text "Sort Vehicle Records" and "Change Font". Three black arrows point from this central box to the "Vehicle" radio button, the "Descending" checkbox, and the "Font - Title" button.

VehiclePerformance

Create Report

Sort By:

- ☒ Vehicle
- ☐ Decription
- ☐ Total Miles
- ☐ Travel Time
- ☐ Service Miles
- ☐ Service Miles %
- ☐ Service Time
- ☐ Service Time %
- ☐ Trips
- ☐ Trips Per Hour

☐ Descending

Font - Title

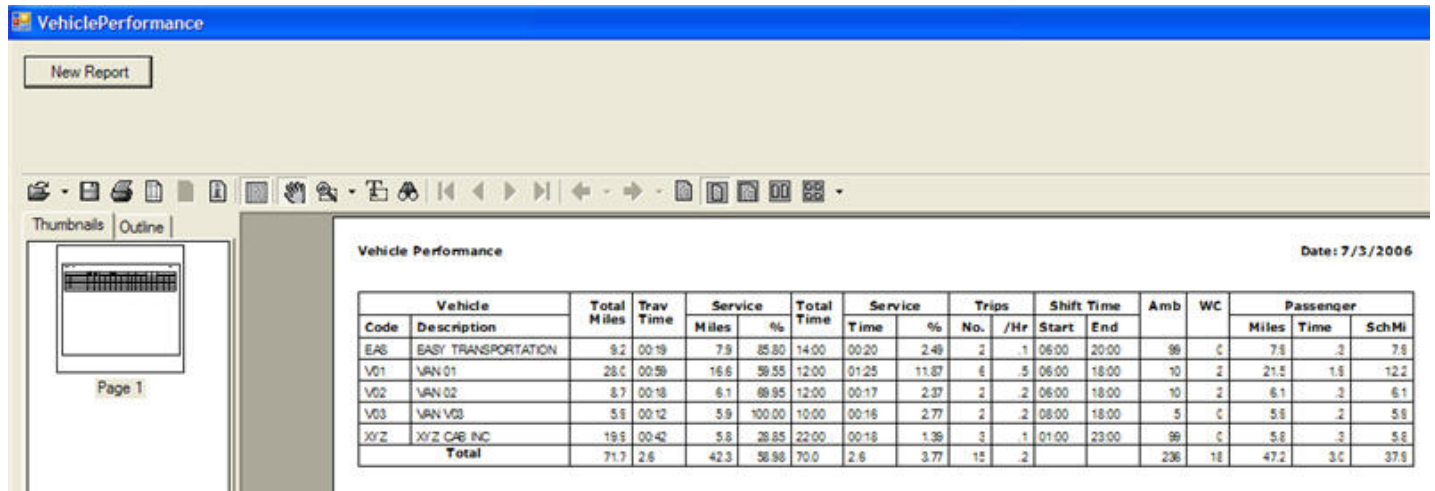
Font - Body

Sample Title Style

Sample Body Style

Sort Vehicle Records
Change Font

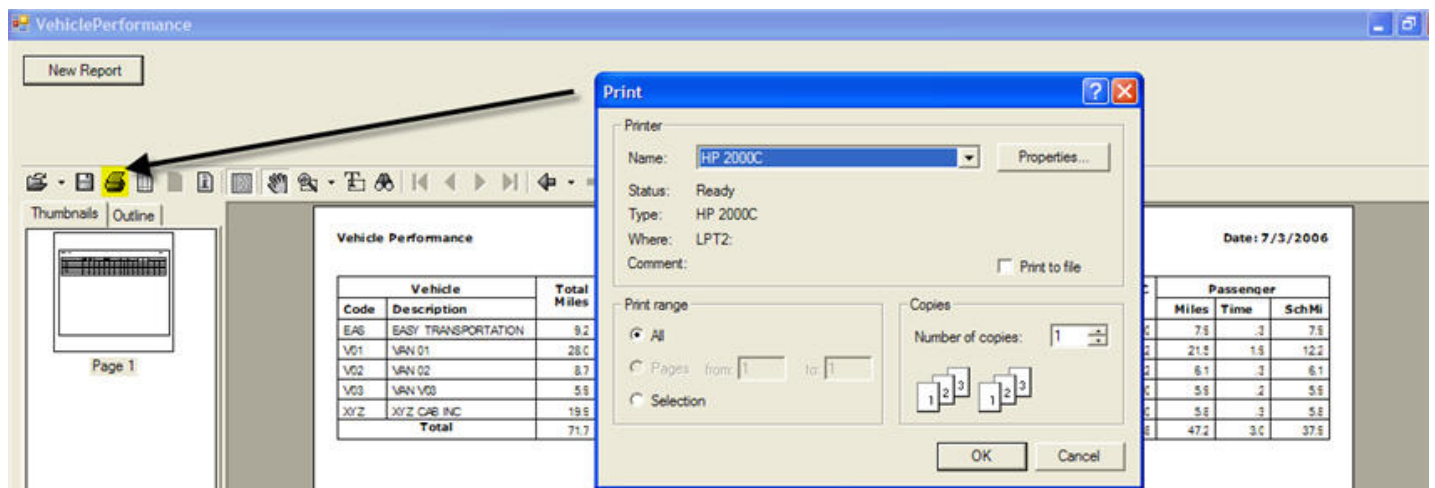
Click on Create Report to preview the report.



Vehicle Performance Date: 7/3/2006

Vehicle		Total Miles	Trav Time	Service		Total Time	Service		Trips		Shift Time		Amb	WC	Passenger		
Code	Description			Miles	%		Time	%	No.	/Hr	Start	End			Miles	Time	SchMi
EAS	EASY TRANSPORTATION	9.2	00:19	7.9	85.80	14:00	00:20	2.49	2	.1	06:00	20:00	99	C	7.9	.3	7.9
V01	VAN 01	28.0	00:56	16.6	59.55	12:00	01:25	11.87	6	.5	06:00	18:00	10	2	21.5	1.5	12.2
V02	VAN 02	8.7	00:18	6.1	69.95	12:00	00:17	2.37	2	.2	06:00	18:00	10	2	6.1	.2	6.1
V03	VAN V03	5.9	00:12	5.9	100.00	10:00	00:16	2.77	2	.2	08:00	18:00	5	C	5.9	.2	5.9
XYZ	XYZ CAB INC	19.5	00:42	5.8	29.85	22:00	00:18	1.39	3	.1	01:00	23:00	99	C	5.8	.3	5.8
Total		71.7	2.6	42.3	58.98	70.0	2.6	3.77	15	.2			236	18	47.2	3.0	37.9

Select the print option from the tool bar to send the report to the printer.



Print

Printer Name: HP 2000C Properties...

Status: Ready
Type: HP 2000C
Where: LPT2:
Comment:

☐ Print to file

Print range:
☒ All
☐ Pages from: 1 to: 1
☐ Selection

Copies:
 Number of copies: 1

OK Cancel

Vehicle Manifest

The Vehicle Manifest report is a highly customizable report. Users can select fields to include, display regions to include or exclude, and font types and size for each of 3 different report regions. There is even an option to select and display a company logo in the top left corner of the report.

Users selections can be saved to a customization report file allowing the option of developing multiple display formats for this report.

Sample Report

PtMSIS <small>Interactive Scheduler</small>		Vehicle A01	Vehicle Manifest Report		Trip Date: 10/22/2007	
Vehicle A01		Start Time: _____		Stop Time: _____		
Actual Vehicle _____		Start Miles: _____		Stop Miles: _____		
Driver ID: _____		Deadhead Hours: _____		Deadhead Miles: _____		
		Gls Gas Purchased: _____		Purchase Price: _____		

I certify that the following trips were completed on this date, with the exception of those marked as cancelled or as no-shows.

Driver's Signature: _____

Vehicle A01			ABC - ABC TRANSPORTATION			
Status	Trip Type	Name	Pick Up		Drop Off	
			Time	Place	Time	Place
	T AMB ID#: 11 RV: A01	JOHNSON, ANDREW Sign: _____	08:30	35 SHELBORNE RD, SPRINGFIELD, 19064 Phone: _____ Odometer ON: _____	09:00	2600 W9TH ST, CROZER CHESTER MED CENTER, CHESTER 19013 Odometer OFF: _____
	T AMB ID#: 7 RV: A01	HOOVER, HERBERT Sign: _____	08:45	193 SANDY BANK RD, MEDIA, 19063 Phone: (610)555-9999 Odometer ON: _____	09:00	2600 W9TH ST, CROZER CHESTER MED CENTER, CHESTER 19013 Odometer OFF: _____
	T AMB ID#: 9 RV: A01	JEFFERSON, THOMAS Sign: _____	08:50	86 E 5TH ST, MEDIA, 19063 Phone: (610)555-2221 Odometer ON: _____	09:00	2600 W9TH ST, CROZER CHESTER MED CENTER, CHESTER 19013 Odometer OFF: _____
	R AMB ID#: 10 Ag: MED	JEFFERSON, THOMAS Sign: _____	11:00	2600 W9TH ST, CROZER CHESTER MED CENTER, CHESTER, 19013 Phone: (610)494-0700 Odometer ON: _____	11:15	86 E 5TH ST, MEDIA, 19063 Phone: (610)555-2221 Odometer OFF: _____
	R AMB ID#: 8 \$00 Ag	HOOVER, HERBERT Sign: _____	11:00	2600 W9TH ST, CROZER CHESTER MED CENTER, CHESTER, 19013 Phone: (610)494-0700 Odometer ON: _____	11:25	193 SANDY BANK RD, MEDIA, 19063 Phone: (610)555-9999 Odometer OFF: _____

Please write actual pick-up and drop-off times on the line below the printed times.

Page 1 of 6



Vehicle A01

Vehicle Manifest Report

Trip Date: 10/22/2007

continued

Vehicle A01			ABC - ABC TRANSPORTATION			
Status	Trip Type	Name	Pick Up		Drop Off	
			Time	Place	Time	Place
	RAMB ID# 12 Ag MED	JOHNSON, ANDREW Sign: _____	11:00	2400 W 9TH ST, CROCKER CHESTER MED CENTER, CHESTER, 19013 Phone: (610) 694-0700 Odometer O/F: _____	11:30	31 SHELBOURNE RD, SPRINGFIELD 19044 Phone: _____ Odometer O/F: _____

Please write actual pick-up and drop-off times on the line below the printed times.

My signature acknowledges that NO incidents/accidents have gone unreported during my shift. If an incident/accident has occurred, the supervisor/dispatcher has written my report into the log.

The report number is: _____. If more than one incident/accident, the additional report numbers are listed here: _____

SUPERVISOR/DISPATCHER: _____

DRIVER 1 SIGNATURE: _____

Options

The screenshot shows the 'VehicleManifest' application window. At the top, there is a 'Create Report' button and a title bar 'EAS - EASY TRANSPORTATION'. Below the title bar, there are two columns of checkboxes. The left column contains: ☒ A01 (ABC), ☒ ABC (ABC), ☒ E01 (EAS), and ☒ EAS (EAS). The right column contains: ☒ ABC - ABC TRANSPORTATION and ☒ EAS - EASY TRANSPORTATION. A blue callout box with the text 'Select Trips by Vehicle or Provider.' has two arrows pointing to the 'ABC (ABC)' and 'EAS (EAS)' checkboxes. To the right of these columns, there are two checkboxes: ☒ Group by Vehicle and ☒ Start Vehicle on new page. Below these is a 'Sort By:' section with five radio button options: ☒ Pick Up Time, ☐ Drop Off Time, ☐ Name, ☐ Pick Up Place, and ☐ Drop Off Place. A blue arrow points from the 'Sort By:' section to a larger blue callout box at the bottom that reads: 'Print options: Group Trips by Vehicle, sort trips within vehicle groupings by pickup time, drop off time, client name, pickup place and drop off place.'

VehicleManifest

Create Report EAS - EASY TRANSPORTATION

☒ A01 (ABC) ☒ ABC - ABC TRANSPORTATION
☒ ABC (ABC) ☒ EAS - EASY TRANSPORTATION
☒ E01 (EAS)
☒ EAS (EAS)

Select Trips by Vehicle or Provider.

☒ Group by Vehicle
☒ Start Vehicle on new page

Sort By:
☒ Pick Up Time
☐ Drop Off Time
☐ Name
☐ Pick Up Place
☐ Drop Off Place

Print options: Group Trips by Vehicle, sort trips within vehicle groupings by pickup time, drop off time, client name, pickup place and drop off place.

Customization

The image shows the 'Vehicle Manifest Customize' dialog box with several annotations. A green box labeled 'Field selection options' points to the 'Optional - Body' section. A light blue box labeled 'Report Header options' points to the 'Optional - Header' and 'Optional - Footer' sections. A yellow box labeled 'Font size and type options' points to the font selection area.

Vehicle Manifest Customize

Vehicle Manifest Parameter File:

Orientation: ☒ Portrait ☐ Landscape

Height: Header: Continuation: Line: Footer:

Optional - Header

- ☒ Logo
- Vehicle Service Summary
- Driver Certification
- Driver Signature

Optional - Body

- ☒ Trip Status
- ☒ Agency
- ☒ Client Phone
- ☒ Trip Time
- ☒ Unique Trip ID
- ☒ Destination Phone
- ☒ Odometer
- ☒ Fare
- ☒ Client Signature
- ☒ Driver's Instructions

Optional - Footer

- ☒ Instructions
- Incident/Accident Footer

Logo File (.bmp):

Title:

Title Font 1:

Unique Trip ID Description: Return Vehicle Description: Agency Description:

Vehicle

Desc: ☐ Tour Desc: ☒ Vehicle Separator: ☐ VIN Align:

Top Vehicle

Desc: ☐ Tour Desc: ☒ Vehicle Separator: ☐ VIN Align:

Incident/Accident Reporting - footer

My signature acknowledges that NO incidents/accidents have gone u Font: Align:

The report number is _____. If more than one incident/accident Font:

SUPERVISOR/DISPATCHER: _____ Font:

DRIVER 1 SIGNATURE: _____ Font:

DRIVER 2 SIGNATURE: _____ Font:

Font size and type options

- Title Font 1
- Title Font 2
- Body Font

Instructions:

Driver Statement:

Client Statement:

Driver Certification:

Dispatcher's Report

The Dispatcher's Report is a highly customizable report. Users can select fields to include, and font types and size for each of 3 the report regions. There is even an option to select and display a company logo in the top left corner of the report.

Users selections can be saved to a customization report file allowing the option of developing multiple display formats for this report.

Sample Report

PtMSIS Interactive Scheduler		DISPATCHER'S REPORT Vehicle: A01				Trip Date: 10/22/2007				
Line # Trip ID	Veh Agy	CID wc-amb	LName D-R	FName Take-Return	P Time D Time	Pick Up	Drop Off	PZone DZone	Trip # Fare/Miles	Med ID Tripcode
1 11	A01 MED	28 AMB	JOHNSON R	ANDREW T	08:30 09:00	35 SHELBOURNE RD SPRINGFIELD 19064	CROZER CHESTER MED CENTER 2600 W 9TH ST CHESTER 19013	522515 508445	000047128 .00 / 0	MED
2 7	A01 MED	13 AMB	HOOVER R	HERBERT T	08:45 09:00	193 SANDY BANK RD MEDIA 19063	CROZER CHESTER MED CENTER 2600 W 9TH ST CHESTER 19013	499509 508445	00004913 .00 / 0	MED
3 9	A01 MED	6 AMB	JEFFERSON R	THOMAS T	08:50 09:00	86 E 5TH ST MEDIA 19063	CROZER CHESTER MED CENTER 2600 W 9TH ST CHESTER 19013	499502 508445	00004606 .00 / 0	MED
4 8	A01 MED	13 AMB	HOOVER R	HERBERT R	11:00 11:25	CROZER CHESTER MED CENTER 2600 W 9TH ST CHESTER 19013	193 SANDY BANK RD MEDIA 19063	508445 499509	00004513 .00 / 0	MED
5 10	A01 MED	6 AMB	JEFFERSON R	THOMAS R	11:00 11:15	CROZER CHESTER MED CENTER 2600 W 9TH ST CHESTER 19013	86 E 5TH ST MEDIA 19063	508445 499502	00004656 / 0	MED
6 12	A01 MED	28 AMB	JOHNSON R	ANDREW R	11:00 11:30	CROZER CHESTER MED CENTER 2600 W 9TH ST CHESTER 19013	35 SHELBOURNE RD SPRINGFIELD 19064	508445 522515	000047628 / 0	MED

Options

The screenshot shows the 'DispatchersReport' application window. The title bar is blue with the text 'DispatchersReport' and standard window controls. Below the title bar is a 'Create Report' button. The main area is titled 'EAS - EASY TRANSPORTATION'. It contains three columns of checkboxes. The first column has four items: 'A01 (ABC)', 'ABC (ABC)', 'E01 (EAS)', and 'EAS (EAS)'. The second column has two items: 'ABC - ABC TRANSPORTATION' and 'EAS - EASY TRANSPORTATION'. The third column has one item: 'MED'. To the right of these columns are two more checkboxes: 'Take Trips' and 'Return Trips'. Below these is a yellow box titled 'Sort By:' containing six radio button options: 'Trip ID', 'Client Name', 'Vehicle, Pick Up Time' (which is selected), 'Pick Up Time, Name', 'Destination', and 'Pickup Address'. There is also a checked checkbox for 'New Page' below the 'Sort By' options. Two blue callout boxes with arrows point to specific elements: one points to the 'EAS (EAS)' checkbox in the first column and is labeled 'Schedule record selection options.', and the other points to the 'Vehicle, Pick Up Time' radio button in the 'Sort By' box and is labeled 'Output sort options.'

DispatchersReport

Create Report

EAS - EASY TRANSPORTATION

☒ A01 (ABC)
☒ ABC (ABC)
☒ E01 (EAS)
☒ EAS (EAS)

☒ ABC - ABC TRANSPORTATION
☒ EAS - EASY TRANSPORTATION

☒ MED

☒ Take Trips
☒ Return Trips

Sort By:

☐ Trip ID
☐ Client Name
☒ Vehicle, Pick Up Time
☒ New Page
☐ Pick Up Time, Name
☐ Destination
☐ Pickup Address

Schedule record selection options.

Output sort options.

Customization

DispatchersReportCustomize

Dispatchers Report Parameter File

Orientation: ☐ Portrait ☒ Landscape

Height: Header: Line: Footer:

Optional Sections: ☒ Logo ☐ Instructions ☐ Driver's Comments ☐ Declaration

Logo File (.bmp)

Title

Provider Week Ends on

Vehicle: Description ☒ Vehicle Separator ☐ VIN Align

Message in upper right corner

<input type="text"/>	Font <input type="text" value="Title Font 1"/>	Align <input type="text" value="Right"/>
<input type="text"/>	Font <input type="text" value="Title Font 1"/>	<input type="text" value="Title Font 1"/>
<input type="text"/>	Font <input type="text" value="Title Font 1"/>	<input type="text" value="Title Font 2"/>
<input type="text"/>	Font <input type="text" value="Title Font 1"/>	<input type="text" value="Body Font"/>
<input type="text"/>	Font <input type="text" value="Title Font 1"/>	

Instructions

Declaration

ABS Support

ABS Support Options

- On-line Help
- Remote Desktop Support

On-Line Help

From the Help Menu select On-line Help.

The On-line Help link ([PTMS IS Help Page](#)) will connect you with the PTMSIS Help page where you can select help topic articles, or on-line help videos.

The ABS Support page that links to ABS on-line support services is available at www.abs-pa.com/Support/Support.htm

Remote Desktop Support

From the Help Menu select Remote Support.

You will need to contact ABS in advance to arrange for a Remote Desktop Support session.

Once the Remote Support selection is made a popup will appear on the screen. Highlight the ABS consultant's phone number and click connect. This will connect your workstation to an ABS support consultant where they will be able to view and run applications on your workstation.

