

PtMS for Windows: Scheduling with Deviated Fixed Routes

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Deviated Fixed Route Definition

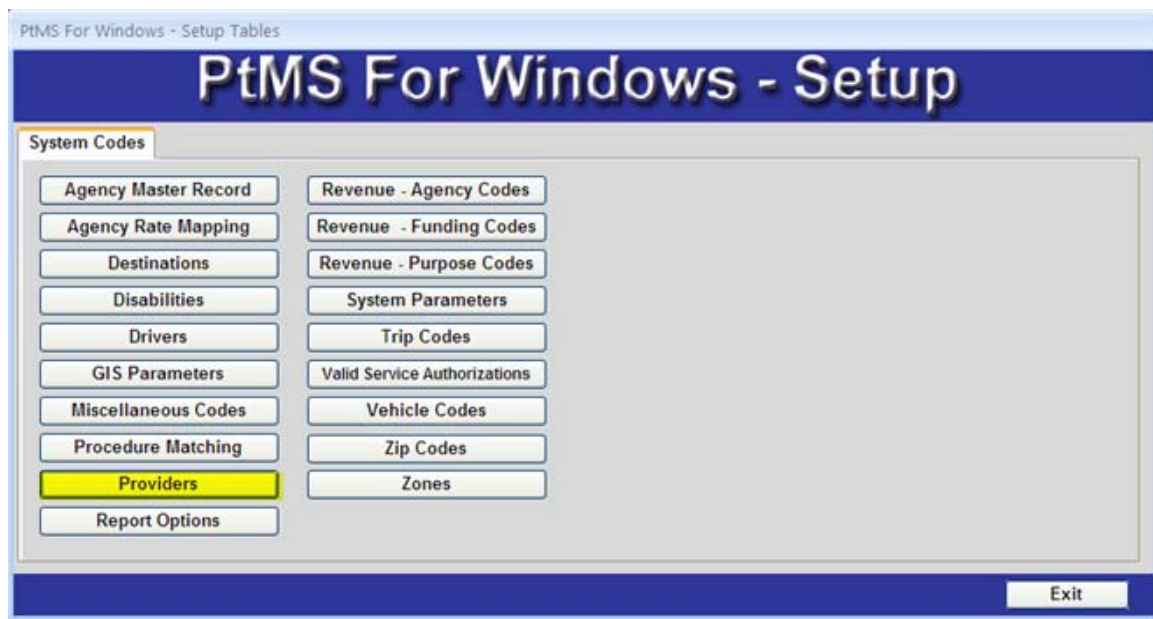
A **deviated-fixed route service** operates a bus or van along a fixed route and/or a set of prescribed stops and keeps to a timetable, but the bus or van can deviate from the route to go to a specific pickup or drop-off location, such as a house, a facility such as a child care center or employment site, or a doctor's office.. Once the pickup or drop-off is made, the vehicle goes back to the place along the route and resumes the route.

Can PtMS be used to schedule and add trips to Deviated Fixed Route services?

Yes. First the fixed route must be setup in PtMS as a set of standing order trips that define the route. Next, demand trip requests can be easily added into the fixed route schedule as scheduled deviations to the route using the PtMS Interactive Scheduler.

Setting Up a Deviated Fixed Route in PtMS

Create a Provider Code for Fixed Route Vehicles



In the PtMS Setup menu select Providers and add the provider code you will use to group all the Fixed Route vehicles codes under – for this example we have set up the provider code “FXD” for “Deviated Fixed Routes”.

The screenshot shows the 'PtMS For Windows - Providers Add/Edit' window. The title bar reads 'PtMS For Windows - Providers Add/Edit'. The main title is 'PROVIDERS ADD/EDIT'. The form contains the following fields and options:

- Provider Code: **FXD** (highlighted in yellow)
- ☐ Medicaid
- ☐ Web Trip Verification
- Description: **Deviated Fixed Routes** (highlighted in yellow)
- Last Name: [Text Box]
- First Name: [Text Box]
- Title: [Text Box]
- Address 1: [Text Box]
- Address 2: [Text Box]
- City: [Text Box]
- State: [Text Box]
- Zipcode: [Text Box]
- Telephone 1: [Text Box] X: [Text Box]
- Telephone 2: [Text Box] X: [Text Box]
- NPI: [Text Box]

Add Fixed Routes as Vehicles to the PtMS Vehicle Table

The screenshot shows the 'PtMS For Windows - Setup' window. The title bar reads 'PtMS For Windows - Setup Tables'. The main title is 'PtMS For Windows - Setup'. The 'System Codes' tab is selected. The menu contains the following options:

- Agency Master Record
- Agency Rate Mapping
- Destinations
- Disabilities
- Drivers
- GIS Parameters
- Miscellaneous Codes
- Procedure Matching
- Providers
- Report Options
- Revenue - Agency Codes
- Revenue - Funding Codes
- Revenue - Purpose Codes
- System Parameters
- Trip Codes
- Valid Service Authorizations
- Vehicle Codes** (highlighted in yellow)
- Zip Codes
- Zones

An 'Exit' button is located at the bottom right of the window.

Add each fixed route as a vehicle to the Vehicle Table.

PtMS For Windows - Vehicle Codes

VEHICLE CODES - ADD/EDIT

Vehicle Code: **F1A** Description: **Deviated Fixed Route 1 - Run A** Provider: **FXD** Deviated Fixed Routes

General Vehicle Information | Shift Segments

VIN:

Skip Posting For Trip Verification: **N**

Tour Number:

Equiped For Wheelchair Clients: **Y**

Wheelchair Capacity: **2**

Ambulatory Capacity: **15**

Total Capacity: **17**

Shift Start Time: **09:00**

Shift End Time: **11:30**

Garage Location:

Email:

Fax:

Segment #	Start Time	End Time
1		
2		
3		
4		
5		
6		
7		
8		
9		

In Service Days

☒ Monday

☒ Tuesday

☒ Wednesday

☒ Thursday

☒ Friday

☐ Saturday

☐ Sunday

Out of Service (Y/N), or Remove from Vehicle Assignment (R): **N**

Start Location:

Vehicle To Edit: **F1A**

Add New Vehicle **Delete Vehicle** **Calculate Day/Times** **Close**

Add Each Route Stop to the PtMS Destination Table

PtMS For Windows - Setup Tables

PtMS For Windows - Setup

System Codes

Agency Master Record	Revenue - Agency Codes
Agency Rate Mapping	Revenue - Funding Codes
Destinations	Revenue - Purpose Codes
Disabilities	System Parameters
Drivers	Trip Codes
GIS Parameters	Valid Service Authorizations
Miscellaneous Codes	Vehicle Codes
Procedure Matching	Zip Codes
Providers	Zones
Report Options	

Exit

Each route stop must be entered into the destination table and geocoded. Here is the list of stops for this fixed route example:

1. Granite Run Mall
2. Riddle Memorial Hospital
3. Media Post Office

4. Springfield Mall Shopping Center
5. Springfield Hospital
6. Healthplex Sports Club
7. Lawrence Park Shopping Center
8. Newtown Square Shopping Center
9. Delaware County Community College
10. Granite Run Mall

PtMS For Windows - Destinations & Facilities

DESTINATIONS & FACILITIES

Facility Name: Zone Code: Zone Name:

Facility Address:

Zip Code: State: City:

Telephone:

Drv Instructions:

Provider Number: NPI:

Provider Fax #: Provider License: Provider Type:

Notes:

Gis X: Gis Y: Gis Lat: Gis Lon:

Default Purpose: Active: Procedure Modifier: Place of Service:

Service Mode: Alias:

Record ID:

Find Destination New Destination Delete Destination Geocode Close

Each destination must be geocoded using the PtMS mapping software.

PtMS For Windows - Geocode Function

PtMS - Geocode

Address:

City:

State: Zipcode: Secs:

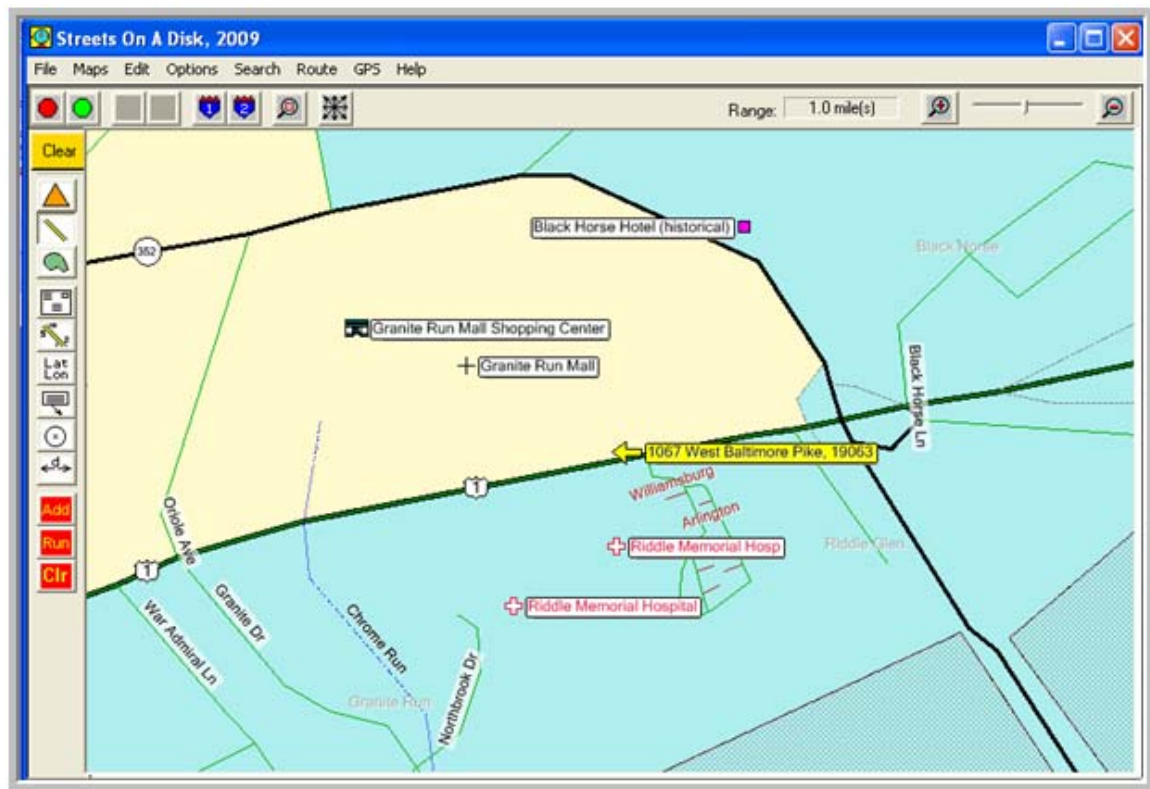
Primary Result		Secondary Result	
Gis X:	1205250730	Gis X:	
Gis Y:	1034736614	Gis Y:	
Lat:	39.9144716519357	Lat:	
Lon:	-75.428704788303	Lon:	
Zone:	493479	Zone:	

☒ Use Primary Result

Geocode Results

```
>@address_xy
--> 1067 W Baltimore Pike, 19063
--> 1205250730 1034736614
--> 39.9144716519357 -75.428704788303
>Ok
>@bring_map_to_top
>Ok
```

Geocode Address Update Try Results Load Get Manual X,Y Close



Once all the stop locations are entered into the destination table the route can be setup.

PtMS for Windows - Destination Lookup

Destination Lookup		
Destination ^	Address	ID
CROZER CHESTER MED CENTER	2600 W 9TH ST. , CHESTER,PA	3
Delaware County Community College	617 State Rte 252. , MEDIA,PA	15
Delware County Courthouse	201 W Front St. , MEDIA,PA	10
Granite Run Mall	1067 West Baltimore Pike. , MEDIA,PA	11
Healthplex Sports Club	194 West Sproul Rd. , Springfield,PA	6
Lawrence Park Shopping Center	Lawrence Rd & Sproul Rd. , BROOMALL,PA	12
Media Post Office	101 E Baltimore Ave. , MEDIA,PA	14
MEDICAL ASSOCIATES	350 S CHESTER RD. , SWARTHMORE,PA	5
Newtown Square Shopping Center	3590 West Chester Pike. , NEWTOWN SQUARE,PA	13
PHYSICAL THERAPY CENTER	2400 SPROUL RD. , BROOMALL,PA	4
RIDDLE MEMORIAL HOSPITAL	1068 W BALTIMORE PIKE. , MEDIA,PA	1
SPRINGFIELD HOSPITAL	190 SPROUL RD. , SPRINGFIELD,PA	2
Springfield Mall	1250 Baltimore Pike. , Springfield,PA	9
Surgical Orthopedic Associates	2004 Sproul Rd # 100. , BROOMALL,PA	16

Set Up a Fictitious Client Record for Entering Fixed Route Scheduled Trips

A client record is needed to enter a service request in PtMS. A simple fictitious client record needs to be entered to allow the user to enter a Service Request for each stop in the route.

The screenshot shows the 'PtMS For Windows - Clients' window. The 'Client Info' tab is active. The client information is as follows:

- Client ID: 32 *
- Last Name: Route *
- First Name: Fixed *
- MI: *
- Address 1: 1067 Baltimore Pike *
- Address 2: *
- Zipcode: 19063 *
- State: PA * County: DELAWARE *
- City: MEDIA *
- PHONE: * Ext: * Type: *
- SSN: *
- Med ID: *
- Other ID: *

Additional information on the right side:

- Sex: *
- DOB: *
- Language: E *
- Amb Status: AMB *
- Disability: N *
- Escort: N *
- PCA: N *
- Cap Adj: 0 *
- Intake Date: 05/08/09
- Last Update Date: 05/08/09
- Last Update Time: 21:16
- Last User: Demo_User
- DB Rec ID: 13

Buttons at the bottom: Find Client, Clear Scrn, Edit Client, Add Client, Delete Client, Schedule Trip, GeoCode Client, Client CMN's, Export Client, Quit.

A blue box with an arrow points to the 'Address 1' field, labeled 'First route stop address.'

Enter Each Stop on the Route using the Service Request screen

The screenshot shows the 'PtMS For Windows - Service Request' window. The 'Service Request - Standard' tab is active. The client information is as follows:

- L. Name: Route
- F. Name: Fixed
- MI: *
- Clt ID: 32
- Med ID: *
- Req #:

Service Request details:

- Ref #: *
- Date/Type: ROUTINE *
- Start On or Write In Date: *

Vehicle and Agency information:

- Take Veh: F1A *
- Ret Veh: *
- Pick Revenue Code: *
- Agency: GEN *
- Funding: GEN *
- Purpose: GEN *

Take and Ret stops:

Take	Destination	ID	Src	Destin Time	1205255559, 1034719171
Take	RIDDLE MEMORIAL HOSPITAL	ID: 1	Src: D	09:10	1205255559, 1034719171
Pickup Place	Granite Run Mall	ID: 11	Src: D	09:00	1205220354, 1034746756
Pickup Zone	493477	Name: MEDIA	Run:		

Ret	Destination	ID	Src	Destin Time	1205220354, 1034746756
Ret	Granite Run Mall	ID: 11	Src: D	TBS	1205220354, 1034746756
Pickup Place	RIDDLE MEMORIAL HOSPITAL	ID: 1	Src: D	TBS	1205255559, 1034719171
Pickup Zone	492479	Name: MEDIA	Run:		

Driver Instructions: *- WC: AMB *
- Esc: N *
- PCA: N *

Stop On: *

Calendar and Tripcode information:

M	T	W	T	F	S	S	Tripcode	Rate	Fare
Y	Y	Y	Y	Y	Y	Y	GEN		

Buttons at the bottom: Pick Demand Days, New Destination, Save Service Request, Cancel.

Once all the stops are entered, the route is setup and ready to be used for scheduling additional demand trips as “deviations” to the fixed route.

PtMS For Windows - Vehicle Manifest Summary

VEHICLE MANIFEST SUMMARY

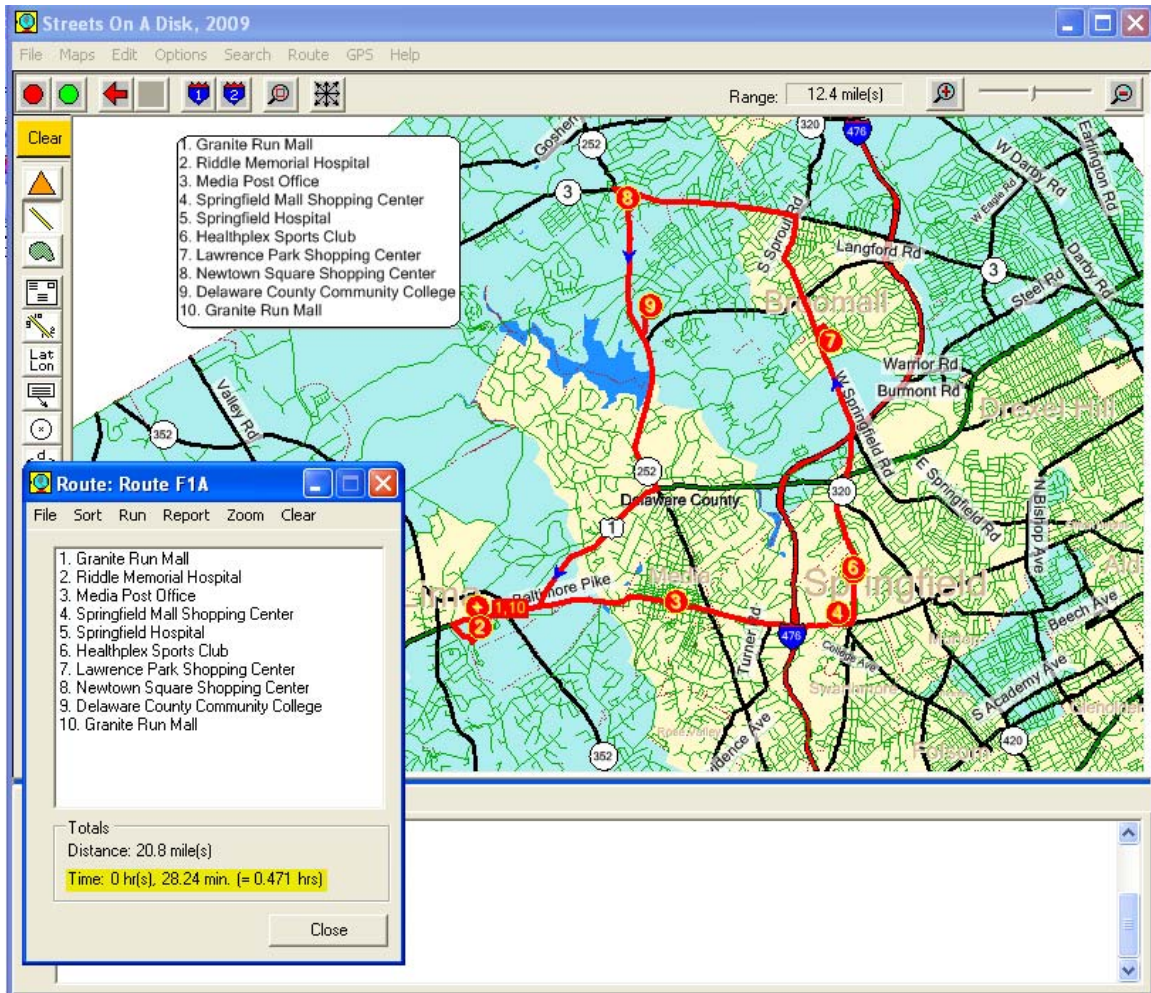
Date: 5/11/2009 Mon ☒ Filter Vehicle: F1A Filter Ride Type: All Sort Trips By: Pickup, Drop Times

Cx	Vehicle	Driver	Sched Times	Last Name	First Name	D/R	T/R	Status	Pickup Location	Destination	Miles	WC	Agn
NS			Pickup Drop										
	▼ F1A ▼	▼	09:00 09:10	Route	Fixed	R	T		Granite Run Mall	RIDDLE MEMORIAL HOSPITAL	1	AMB	GEN
	▼ F1A ▼	▼	09:15 09:25	Route	Fixed	R	T		RIDDLE MEMORIAL HOSPITAL	Media Post Office	3	AMB	GEN
	▼ F1A ▼	▼	09:30 09:35	Route	Fixed	R	T		Media Post Office	Springfield Mall	2	AMB	GEN
	▼ F1A ▼	▼	09:40 09:45	Route	Fixed	R	T		Springfield Mall	SPRINGFIELD HOSPITAL	1	AMB	GEN
	▼ F1A ▼	▼	09:50 09:55	Route	Fixed	R	T		SPRINGFIELD HOSPITAL	Healthplex Sports Club	1	AMB	GEN
	▼ F1A ▼	▼	10:00 10:10	Route	Fixed	R	T		Healthplex Sports Club	Lawrence Park Shopping Center	3	AMB	GEN
	▼ F1A ▼	▼	10:15 10:25	Route	Fixed	R	T		Lawrence Park Shopping Center	Newtown Square Shopping Center	3	AMB	GEN
	▼ F1A ▼	▼	10:30 10:35	Route	Fixed	R	T		Newtown Square Shopping Center	Delaware County Community Center	1	AMB	GEN
	▼ F1A ▼	▼	10:40 10:55	Route	Fixed	R	T		Delaware County Community Center	Granite Run Mall	4	AMB	GEN
	▼	▼											

Close Map All Trips 999 999 999 999 F1A ☒ Use Status Desc Refresh Screen

Designing the Route to Allow for Deviations

The route map below shows that the travel time to complete this route without stops is approximately 30 minutes. Adding stop times of 5 minutes (which is generous and most likely not needed to board and discharge passengers) per stop and the completed route would take about 70 minutes. The route has been scheduled to run from 9:00 AM to 11:00 AM. This means there is plenty of slack in the schedule for adding new trips as deviations to the fixed route.



Starting Clock: 09:00 AM

Visit Time: 0 hr(s), 5.00 min. (= 0.083 hrs)

Start: 1. Granite Run Mall

Go southwest, 0.3 mile(s), on US Hwy 1.
 Turn left, go southeast, 0.3 mile(s), on Granite Dr.
 Turn left, go northeast, 0.2 mile(s), on Northbrook Dr.

Stop: 2. Riddle Memorial Hospital

Clock (arrival): 09:01 AM
 Time (from start): 0 hr(s), 1.28 min. (= 0.021 hrs)
 Distance(from start): 0.8 mile(s)
 Clock (depart): 09:06 AM

Go south, 0.2 mile(s), on Northbrook Dr.
 Turn right, go northwest, 0.3 mile(s), on Granite Dr.
 Turn right, go northeast, 0.8 mile(s), on US Hwy 1.
 Slight turn left, go northeast, 1.8 mile(s), on Baltimore Pike.
 Turn left, go north, 105 ft, on Monroe St.

Stop: 3. Media Post Office

Clock (arrival): 09:11 AM
 Time (from last stop): 0 hr(s), 4.26 min. (= 0.071 hrs)
 Time (from start): 0 hr(s), 10.53 min. (= 0.176 hrs)

Distance(from last stop): 3.1 mile(s)
Distance(from start): 3.9 mile(s)
Clock (depart): 09:16 AM

Go south, 105 ft, on Monroe St.
Turn left, go east, 1.5 mile(s), on Baltimore Ave.
Continue, go east, 0.4 mile(s), on Baltimore Pike.

Stop: 4. Springfield Mall Shopping Center

Clock (arrival): 09:18 AM
Time (from last stop): 0 hr(s), 2.58 min. (= 0.043 hrs)
Time (from start): 0 hr(s), 18.11 min. (= 0.302 hrs)
Distance(from last stop): 1.9 mile(s)
Distance(from start): 5.8 mile(s)
Clock (depart): 09:23 AM

Go east, 0.2 mile(s), on Baltimore Pike.
Turn left, go north, 0.6 mile(s), on State Rte 320.

Stop: 5. Springfield Hospital

Clock (arrival): 09:24 AM
Time (from last stop): 0 hr(s), 1.00 min. (= 0.017 hrs)
Time (from start): 0 hr(s), 24.12 min. (= 0.402 hrs)
Distance(from last stop): 0.8 mile(s)
Distance(from start): 6.6 mile(s)
Clock (depart): 09:29 AM

Go north, 162 ft, on State Rte 320.
Turn left, go west, 199 ft, on Thompson Ave.

Stop: 6. Healthplex Sports Club

Clock (arrival): 09:29 AM
Time (from last stop): 0 hr(s), 0.12 min. (= 0.002 hrs)
Time (from start): 0 hr(s), 29.23 min. (= 0.487 hrs)
Distance(from last stop): 361 ft
Distance(from start): 6.7 mile(s)
Clock (depart): 09:34 AM

Go east, 199 ft, on Thompson Ave.
Turn left, go north, 2.9 mile(s), on State Rte 320.
Turn right, go northeast, 518 ft, on Lawrence Rd.
Turn right, go southeast, 0.2 mile(s), on _local (134873380).

Stop: 7. Lawrence Park Shopping Center

Clock (arrival): 09:39 AM
Time (from last stop): 0 hr(s), 4.43 min. (= 0.074 hrs)
Time (from start): 0 hr(s), 38.66 min. (= 0.644 hrs)
Distance(from last stop): 3.2 mile(s)
Distance(from start): 9.8 mile(s)
Clock (depart): 09:44 AM

Go northwest, 0.2 mile(s), on _local (134873380).
Turn left, go southwest, 518 ft, on Lawrence Rd.
Turn right, go northwest, 0.9 mile(s), on State Rte 320.
Slight turn right, go north, 0.5 mile(s), on Sproul Rd.
Turn left, go west, 2.1 mile(s), on State Rte 3.
Hard turn left, go southeast, 0.2 mile(s), on State Rte 252.
Turn left, go northeast, 270 ft, on Alpha Dr.

Stop: 8. Newtown Square Shopping Center

Clock (arrival): 09:49 AM
Time (from last stop): 0 hr(s), 5.65 min. (= 0.094 hrs)
Time (from start): 0 hr(s), 49.31 min. (= 0.822 hrs)

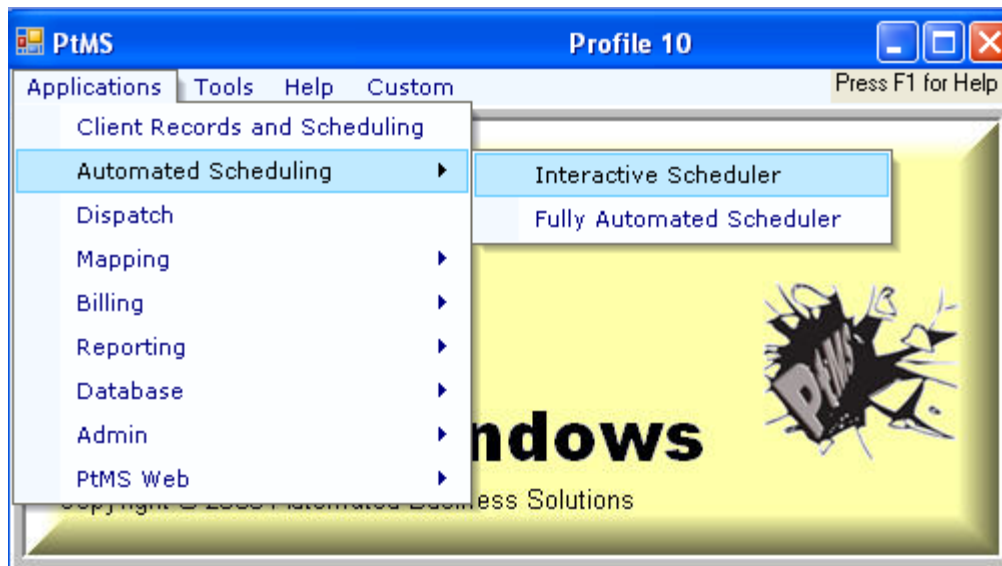
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Distance(from last stop): 4.1 mile(s)
Distance(from start): 13.9 mile(s)
Clock (depart): 09:54 AM
-----
Go southwest, 270 ft, on Alpha Dr.
Turn left, go southeast, 1.6 mile(s), on State Rte 252.
Turn left, go northeast, 0.3 mile(s), on Timber Lake Dr.
-----
Stop: 9. Delaware County Community College
Clock (arrival): 09:57 AM
Time (from last stop): 0 hr(s), 2.82 min. (= 0.047 hrs)
Time (from start): 0 hr(s), 57.13 min. (= 0.952 hrs)
Distance(from last stop): 1.9 mile(s)
Distance(from start): 15.9 mile(s)
Clock (depart): 10:02 AM
-----
Go west, 0.3 mile(s), on Timber Lake Dr.
Turn left, go southeast, 1.9 mile(s), on State Rte 252.
Turn right, go southwest, 2.0 mile(s), on US Hwy 1.
Slight turn right, go southwest, 0.7 mile(s), on Baltimore Pike.
-----
Stop: 10. Granite Run Mall
Clock (arrival): 10:08 AM
Time (from last stop): 0 hr(s), 6.11 min. (= 0.102 hrs)
Time (from start): 1 hr(s), 8.24 min. (= 1.137 hrs)
Distance(from last stop): 4.9 mile(s)
Distance(from start): 20.8 mile(s)
-----
Clock (final): 10:08 AM
Total Distance: 20.8 mile(s)
Total Drive Time: 0 hr(s), 28.24 min. (= 0.471 hrs)
Total Visit Time: 0 hr(s), 40.00 min. (= 0.667 hrs)
Total Time: 1 hr(s), 8.24 min. (= 1.137 hrs)
-----

```

Adding Scheduled Deviations to a Fixed Route

Once demand trip requests are entered into PtMS, they can be efficiently added to existing trip schedules using the PtMS Interactive Scheduler.



PIMSIS - Interactive Scheduler - Trips on 05/11/2009

File Edit View Tools Reports Help

Current User: Demo_User

Trips to be Scheduled

Vehicle	Status	Amb/AWC	Name	T/R	D/R	Dist	PAddress	PCity	PickUp	DAddress	DC
EAS		AMB	JEFFERSON, THOMAS	T	D	2.0	86 E 5TH ST	MEDIA	0930	SPRINGFIELD HOSPITAL	SP
EAS		AMB	POLK, JAMES	T	D	2.8	212 Bishop Hollow Rd	NEWTOWN SQUARE	1000	Surgical Orthopedic Associates	BR

Providers

ABC - ABC TI
EAS - EASY
FXD - Deviat

Demand trips to be scheduled.
The Interactive Scheduler can schedule them on any of the available vehicles and/or fixed routes in the Vehicles List.

Vehicle event = 5 current cell = 0

Select Schedule Date: 05/11/09 5/11/2009

Remove Ref Trip Load Schedule Update Schedule

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Vehicle List

Vehicle	Tour	Desc	TotMi	XDist	TrTime	XTime	Penalty	SvcMi	SvcMi%	TotTime	SvcTime	SvcTime%	Trips	Trips/Hr	STime
A01		VAN	.0	.0	00:00	00:00	.0	.0	.0	12:00	00:00	.0	0	0	.0 0600
A02		VAN	.0	.0	00:00	00:00	.0	.0	.0	12:00	00:00	.0	0	0	.0 0600
E01		VAN	.0	.0	00:00	00:00	.0	.0	.0	12:00	00:00	.0	0	0	.0 0600
E02		VAN	.0	.0	00:00	00:00	.0	.0	.0	12:00	00:00	.0	0	0	.0 0600
F1A		Deviated Fixed Route 1 - Run A	16.0	.0	00:38	00:00	.0	16.0	100.0	02:30	01:32	61.6	9	3.6	0900

Trips for Vehicle F1A - Deviated Fixed Route 1 - Run A

STime	P/D	OSTime	Arr	Dwell	Dep	Dist	Penalty	Blk	Time	Amb	W/C	T/R	D/R	Zone	Name	Address	City
0900	P	0900	0900	0:00	0900	.0	.0		*	0	0	R	R	000000	Start Shift		
0900	P	0900	0900	3:00	0903	.0	.0		00:03	1	0	T	R	493493	Route, Fixed	Granite Run Mall	MEDIA
0910	D	0910	0903	3:00	0906	.2	.0		00:03	0	0	T	R	493493	Route, Fixed	RIDDLE MEMORIAL HOSPITAL	MEDIA
0915	P	0915	0906	3:00	0918	.0	.0		00:08	1	0	T	R	493493	Route, Fixed	RIDDLE MEMORIAL HOSPITAL	MEDIA
0925	D	0925	0923	3:00	0926	2.2	.0		00:08	0	0	T	R	493493	Route, Fixed	Media Post Office	MEDIA
0930	P	0930	0926	3:00	0933	.0	.0		00:07	1	0	T	R	493493	Route, Fixed	Media Post Office	MEDIA
0935	D	0935	0937	3:00	0940	2.0	4.4		00:07	0	0	T	R	501519	Route, Fixed	Springfield Mall	Springfi
0940	P	0940	0940	3:00	0943	.0	.0		00:03	1	0	T	R	501519	Route, Fixed	Springfield Mall	Springfi
0945	D	0945	0944	3:00	0947	.2	.0		00:03	0	0	T	R	503519	Route, Fixed	SPRINGFIELD HOSPITAL	SPRING
0950	P	0950	0947	3:00	0953	.0	.0		00:03	1	0	T	R	503519	Route, Fixed	SPRINGFIELD HOSPITAL	SPRING
0955	D	0955	0953	3:00	0956	.0	.0		00:03	0	0	T	R	503519	Route, Fixed	Healthplex Sports Club	Springfi
1000	P	1000	0956	3:00	1003	.0	.0		00:10	1	0	T	R	503519	Route, Fixed	Healthplex Sports Club	Springfi
1010	D	1010	1010	3:00	1013	3.1	.4		00:10	0	0	T	R	532510	Route, Fixed	Lawrence Park Shopping Center	BROOM
1015	P	1015	1013	3:00	1018	.0	.0		00:10	1	0	T	R	532510	Route, Fixed	Lawrence Park Shopping Center	BROOM
1025	D	1025	1025	3:00	1028	3.0	.1		00:10	0	0	T	R	544483	Route, Fixed	Newtown Square Shopping Center	NEWTTC
1030	P	1030	1028	3:00	1033	.0	.0		00:07	1	0	T	R	544483	Route, Fixed	Newtown Square Shopping Center	NEWTTC
1035	D	1035	1037	3:00	1040	1.7	3.2		00:07	0	0	T	R	528489	Route, Fixed	Delaware County Community College	MEDIA
1040	P	1040	1040	3:00	1043	.0	.0		00:11	1	0	T	R	528489	Route, Fixed	Delaware County Community College	MEDIA

When you click on a trip in the Trips to be Scheduled window, it automatically does a "trial" schedule of the trip on every vehicle in the list. The impact of adding the trip to vehicle's schedule is measured in terms of added vehicle miles and travel minutes.

In this example we click on the demand trip for Thomas Jefferson and the Interactive Scheduler instantly displays the results for scheduling this trip on every vehicle in the vehicle list.

This new trip is 2.0 miles door to door. However, it will only add 4/10 mile to the Deviated Fixed Route because the client's destination is already on the route.

PIMSIS - Interactive Scheduler - Trips on 05/11/2009

File Edit View Tools Reports Help

Current User: Demo_User

Trips to be Scheduled

Vehicle	Status	Amb/WC	Name	T/R	D/R	Dist	PAddress	PCity	PickUp	DAddress	DC
EAS		AMB	JEFFERSON, THOMAS	T	D	2.0	86 E 5TH ST	MEDIA	09:30:00	SPRINGFIELD HOSPITAL	SP
EAS		AMB	POLK, JAMES	T	D	2.8	212 Bishop Hollow Rd	NEWTOWN SQUARE	1000	Surgical Orthopedic Associates	BR

Providers

DC ☐ ABC - ABC T
☐ EAS - EASY
☐ FXD - Deviat

Impact of adding the new trip to the fixed route.

Vehicle List

Vehicle	Tour	Desc	TotMi	XDist	TrTime	XTime	Penalty	SvcMi	SvcMi%	TotTime	SvcTime	SvcTime%	Trips	Trips/Hr	STime
A01		VAN	.0	2.0	00:00	00:04	0	2.0	134161.9	12:00	00:10	1.5	1	.1	0600
A02		VAN	.0	2.0	00:00	00:04	0	2.0	134161.9	12:00	00:10	1.5	1	.1	0600
E01		VAN	.0	2.0	00:00	00:04	0	2.0	134161.9	12:00	00:10	1.5	1	.1	0600
E02		VAN	.0	2.0	00:00	00:04	0	2.0	134161.9	12:00	00:10	1.5	1	.1	0600
F1A		Deviated Fixed Route 1	.0	2.0	00:00	00:04	22.8	16.4	102.6	02:30	01:39	66.3	10	4.0	0900

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Trips for Vehicle F1A - Deviated Fixed Route 1 - Run A

STime	P/D	OSTime	Arr	Dwe	TotMi	XDist	TrTime	XTime	Penalty	SvcMi	SvcMi%	TotTime	SvcTime	SvcTime%	Trips	Trips/Hr	STime
0900	P	0900	0900	0.00	0900	.0	.0	00:00	0	0	0	00:00	00:00	0	0	0	0900
0900	P	0900	0900	3.00	0903	.0	.0	00:03	1	0	0	00:03	00:03	0	0	0	0903
0910	D	0910	0903	3:00	0906	.2	.0	00:03	0	0	0	00:03	00:03	0	0	0	0906
0915	P	0915	0906	3:00	0918	.0	.0	00:08	1	0	0	00:08	00:08	0	0	0	0918
0925	D	0925	0923	3:00	0926	2.2	.0	00:08	0	0	0	00:08	00:08	0	0	0	0926
0930	P	0930	0926	3:00	0933	.0	.0	00:11	1	0	0	00:11	00:11	0	0	0	0933
0930	P	0930	0933	3:00	0936	.4	.0	00:20	2	0	0	00:20	00:20	0	0	0	0936
0935	D	0935	0941	3:00	0944	2.0	12.4	00:11	1	0	0	00:11	00:11	0	0	0	0944
0940	P	0940	0944	3:00	0947	.0	.0	00:03	2	0	0	00:03	00:03	0	0	0	0947
0945	D	0945	0948	3:00	0951	.2	5.4	00:03	1	0	0	00:03	00:03	0	0	0	0951
0950	P	0950	0951	3:00	0954	.0	.0	00:06	2	0	0	00:06	00:06	0	0	0	0954
0950	D	0950	0954	3:00	0957	.0	7.4	00:06	1	0	0	00:06	00:06	0	0	0	0957
0955	D	0955	0957	3:00	1000	.0	3.4	00:06	0	0	0	00:06	00:06	0	0	0	1000
1000	P	1000	1000	3:00	1003	.0	.0	00:10	1	0	0	00:10	00:10	0	0	0	1003
1010	D	1010	1010	3:00	1013	3.1	.6	00:10	0	0	0	00:10	00:10	0	0	0	1013
1015	P	1015	1013	3:00	1018	.0	.0	00:10	1	0	0	00:10	00:10	0	0	0	1018
1025	D	1025	1025	3:00	1028	3.0	.1	00:10	0	0	0	00:10	00:10	0	0	0	1028
1030	P	1030	1028	3:00	1033	.0	.0	00:07	1	0	0	00:07	00:07	0	0	0	1033

Right click on the fixed route in the Vehicle List to add the trip to the schedule.

Vehicle List

Vehicle	Tour	Desc	TotMi	XDist	TrTime	XTime
A01		VAN	.0	2.0	00:00	00:04
A02		VAN	.0	2.0	00:00	00:04
E01		VAN	.0	2.0	00:00	00:04
E02		VAN	.0	2.0	00:00	00:04
F1A		Deviated Fixed Route 1 - Run A	.0	2.0	00:00	00:04

Right click on the vehicle/fixed route and select Add Trip to this Vehicle

Add Trip to this Vehicle
 Clear Map
 Highlight All Stops
 Route All Stops
 Zoom Highlighted Stops
 Calculate Route

Trips for Vehicle F1A - Deviated Fixed Route 1 - Run A

STime	P/D	OSTime	Arr	Dwe	TotMi	XDist	TrTime	XTime
0900	P	0900	0900	0.00	0900	.0	.0	00:00
0900	P	0900	0903	3:00	0903	.0	.0	00:03
0910	D	0910	0906	3:00	0906	.2	.0	00:03
0915	P	0915	0906	3:00	0918	.0	.0	00:08
0925	D	0925	0923	3:00	0926	2.2	.0	00:08
0930	P	0930	0926	3:00	0933	.0	.0	00:11

The demand trip is now a part of the deviated fixed route F1A for Monday 05/11/09.

Vehicle List

Vehicle	Tour	Desc	TotMi	XDist	TrTime	XTime	Penalty	SvcMi	SvcMi%	TotTime	SvcTime	SvcTime%	Trips	Trips/Hr	Stir
A01		VAN	.0	.0	00:00	00:00	.0	.0	.0	12:00	00:00	.0	0	0	.0
A02		VAN	.0	.0	00:00	00:00	.0	.0	.0	12:00	00:00	.0	0	0	.0
E01		VAN	.0	.0	00:00	00:00	.0	.0	.0	12:00	00:00	.0	0	0	.0
E02		VAN	.0	.0	00:00	00:00	.0	.0	.0	12:00	00:00	.0	0	0	.0
F1A		Deviated Fixed Route 1 - Run A	16.4	.0	00:39	00:00	.0	16.4	100.0	02:30	01:39	66.3	10	4.0	090

Trips for Vehicle F1A - Deviated Fixed Route 1 - Run A

STime	P/D	DSTime	Arr	Dwell	Dep	Dist	Penalty	D/R	Zone	Name	Address
0900	P	0900	0900	0:00	0900	.0		R	000000	Start Shift	
0900	P	0900	0900	3:00	0903	.0		R	493477	Route, Fixed	Granite Run Mall
0910	D	0910	0903	3:00	0906	.2		R	492479	Route, Fixed	RIDDLE MEMORIAL HOSPITAL
0915	P	0915	0906	3:00	0918	.0		R	492479	Route, Fixed	RIDDLE MEMORIAL HOSPITAL
0925	D	0925	0923	3:00	0926	.2		R	499499	Route, Fixed	Media Post Office
0930	P	0930	0926	3:00	0933	.0		R	499499	Route, Fixed	Media Post Office
0930	P	0930	0933	3:00	0936	.4		D	502499	JEFFERSON, THOMAS	86 E 5TH ST
0935	D	0935	0941	3:00	0944	2.0	12.4	R	501519	Route, Fixed	Springfield Mall
0940	P	0940	0944	3:00	0947	.0		R	501519	Route, Fixed	Springfield Mall
0945	D	0945	0948	3:00	0951	.2	5.4	R	503519	Route, Fixed	SPRINGFIELD HOSPITAL
0950	P	0950	0951	3:00	0954	.0		R	503519	Route, Fixed	SPRINGFIELD HOSPITAL
0950	D	1000	0954	3:00	0957	.0	7.4	D	503519	JEFFERSON, THOMAS	SPRINGFIELD HOSPITAL
0955	D	0955	0957	3:00	1000	.0	3.4	R	503519	Route, Fixed	Healthplex Sports Club
1000	P	1000	1000	3:00	1003	.0		R	503519	Route, Fixed	Healthplex Sports Club

The demand trip has been added into the Fixed Routes schedule

