

# ***Paid vs. Open Source Trip Planning Solutions***

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# Open Source Trip Planners

- Revolutionized Industry
- Provides an important service for the passenger
- *Consistent* look and feel **nationwide**
- Trip planning *across* transit agency boundaries
- Seamless integration with major fixed route scheduling systems



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# Why Transit in the First Place?

- ◎ Provide a convenience for citizens
  - Parking
  - Can do other things during commute
- ◎ Reduce cars on the road
  - Green Initiative
  - Cleaner environment
- ◎ Provide opportunities for passengers
  - Jobs
  - Entertainment



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# Advantages to On-line Trip Planning for the Passenger

- ⦿ Free
- ⦿ Convenience
- ⦿ Reduced cost to Transit agency
  - Reduced phone calls
- ⦿ Increased comfort level in riding the bus
  - Reduces anxiety
- ⦿ Increased ridership



# Why then buy a *paid* trip planner?

- Fully integrated with dispatch module
- Can accommodate *all modes and models* of transportation
- Provide not only schedule information but *real-time* information
- Delivery system includes:
  - Web
  - IVR (Voice)
  - Kiosks
  - On-vehicle delivery via on-board video, etc.
  - “Apps”



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# Multi-modal transportation

- ⦿ Fixed Route
- ⦿ Commuter Bus
- ⦿ Rail
- ⦿ Ferry
- ⦿ Paratransit



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# Multi – “*Model*” transportation

- ⦿ Traditional “timepoint” fixed route
- ⦿ Traditional “headway” fixed route
- ⦿ Commuter to rail
- ⦿ Downtown “Dash” Shuttles
- ⦿ Feeder to fixed route or rail
- ⦿ “Flex” route
- ⦿ “On demand” fixed route
- ⦿ Paratransit



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# Dynamic Dispatching

- ⦿ Passenger counters
- ⦿ GPS to determine late buses
- ⦿ Hot coaches
- ⦿ Real-time schedule adjustments
- ⦿ Breakdowns / Vehicle Changes
- ⦿ Real-time interlining changes
- ⦿ Transfers



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# Paid Trip Planners are now Fully Integrated with Paratransit

- Cost of trip on paratransit is significantly more than fixed route
- Integrated for purposes of calculating fare
- Conditional eligibility
- Present fixed route solution as a viable alternative



# ITP: Bus Only Itinerary

**ADEPT Client Operations**

File Navigate Help

**Record Action**

Search Client

Search Trip

New Client

Client Log

Links

**Navigation**

Client Record

- Primary
- Secondary
- Appeal
- Eligibility
- Agency
- Suspension
- Passwords
- History

Subscriptions

**Reservations**

Status	Pass Code	Client ID	Last Name	First Name	MI	Main Phone	Ext	Date of Birth	Gender
ACTIVE		703788	WILLOW	NIDRA	B	718 714 1491		9/18/1984	F

**Trip Alternative**




ADEPT Schedule Request Details

Trip Date: Sat, 02/25/12 Request Time: A/08:00

Origin Address: 2165 2ND AVE, NEW YORK

Destination Address: 185 1ST AVE, NEW YORK

This trip can be serviced by a fixed route.

	Action	From	Start Time	To	Arrive Time
	Walk	2165 2ND AVE	7:02	2 AV - E 116 ST	7:09
	Bus M15	2 AV - E 116 ST	7:09	2 AV - E 14 ST	7:41
	Walk	2 AV - E 14 ST	7:41	185 1ST AVE	7:47

For MTA fixed route bus schedules please visit [www.mta.info](http://www.mta.info) or call 718-330-1234.

Override Refuse **Accept**

Evaluating trip for ITP alternatives .....

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# ITP: Feeder with Bus Segment

**ADEPT Client Operations**

File Navigate Help

**Record Action**

Search\_Client  
Search\_Trip  
New\_Client  
Client\_Log  
Links

**Navigation**

**Client Record**

Primary  
Secondary  
Appeal  
Eligibility  
Agency  
Suspension  
Passwords  
History

Subscriptions  
**Reservations**




**Status** ACTIVE **Pass Code**  **Client ID** 703788 **Last Name** WILLOW **First Name** NIDRA **MI** B **Main Phone** 718 714 1491 **Ext**  **Date of Birth** 9/18/1984 **Gender** F

**Trip Alternative**

ADEPT Schedule Request Details

Trip Date: Mon, 02/27/12 Request Time: P/09:00  
Origin Address: 952 ANDERSON AVE, BRONX  
Destination Address: 119 W 124TH ST, NEW YORK

This trip can be partially serviced by a fixed route.

	Action	From	Start Time	To	Arrive Time
	Paratransit	952 ANDERSON AVE	8:57	ADAM C POWELL BL - W 154 ST	9:30
	Bus M2	ADAM C POWELL BL - W 154 ST	9:30	ADAM C POWELL BL - W 128 ST	9:42
	Walk	ADAM C POWELL BL - W 128 ST	9:42	119 W 124TH ST	9:48

For MTA fixed route bus schedules please visit [www.mta.info](http://www.mta.info) or call 718-330-1234.

Override Refuse Accept

Evaluating trip for ITP alternatives .....

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# Mixed Alternatives

**Trip Plan Analyzer** [Wizard Edit]

Batch | Clipboard | Compare

	Result	Duration	User	Communication M	Origin	Destination	Date	Time	Arrive/ Depart	Solution Set
▶	DAT8	1h00			ALEXANDRIA DIAL	:2878, FORT SCOT	03-28-12	17:00	DEP	DEFAULT

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Itinerary	Xfrs	Depart	Arrive	Duration	Walk Time	Walk	Fare
DAT8_RBLU_9A	2	17:05	18:05	1h00		0.480	4.30
DAT8_RBLU_9S	2	17:05	18:19	1h14		0.300	4.30
DAT8_RBLU_9E	2	17:05	18:20	1h15		0.390	3.55

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Time	Stop	Line	Direction	LO	Walking	Fare	Agency
17:05	DUKE ST & GORDON ST	DAT8	O		0.020	0.00	DASH
17:31	VAN DORN METRO	DAT8	O				DASH
17:38	VAN DORN METRO STATI	RBLU	O	7	0.000	0.00	METRO
17:53	CRYSTAL CITY METRO ST	RBLU	O				METRO
18:01	S EADS ST & S 18TH ST	9A	S	8	0.090	0.00	METRO
18:05	RT 1 JEFF DAVIS HWY & S	9A	S		0.370		METRO

Done! 1 of 1

Trapeze6 Service Shell - CDBLOG



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# Summary:

## Paid Trip Planners:

- ⦿ Accommodates Real-time information
- ⦿ Accommodates all Modes and “Models” of Transit
- ⦿ Full Integration with Paratransit



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***Thank you!***

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