National Rural ITS Conference

Big Sky, MT

August 14, 2006

RouteMatch Software™

ITS Solutions for Rural Transit

"Managing and Coordinating Transportation in Rural Communities Using Transit ITS Technologies"

RouteMatch Software™

Today's Agenda

- Overview of RouteMatch Software
- What is Transportation Coordination
- Technology's New Role in Community Transportation
- Advanced Transportation Management Systems & Coordination Tools
- Case Studies & Best Practices

RouteMatch Software™

RouteMatch Software Overview

- Founded in 1999 and incorporated in January 2000.
- A dedicated customer-focused staff of 40+ engineers, consultants, and customer support representatives.
- Headquartered in Atlanta, GA, with offices in North Carolina, South Carolina, Massachusetts, Iowa, Texas California, and Washington Sate.
- Over 160 installed public, private, and non-profit transportation organizations in 36 states nationwide.

RouteMatch Offices, Atlanta, GA

RouteMatch Software

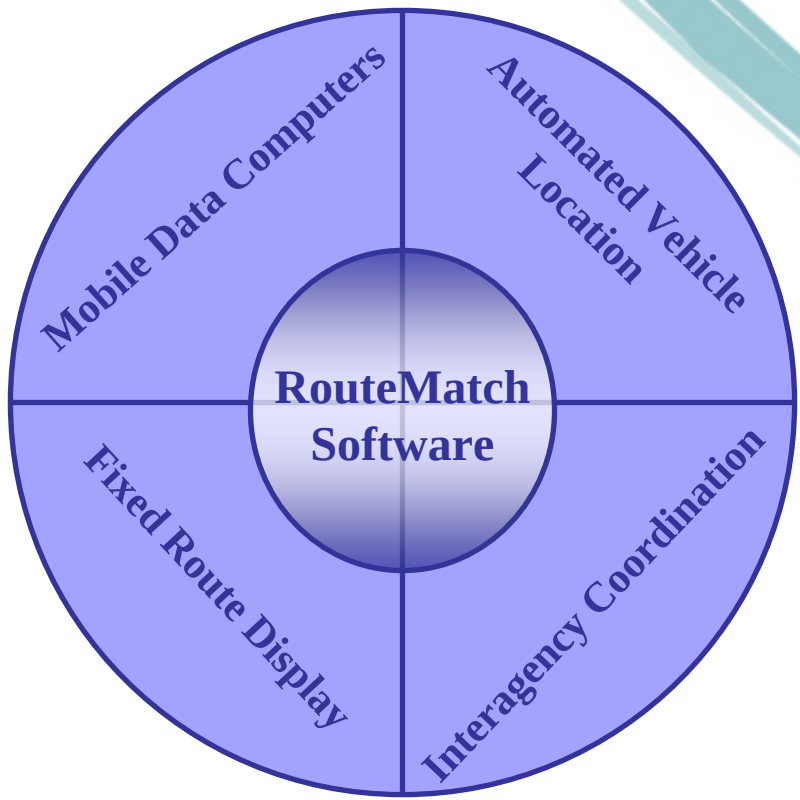
The RouteMatch Focus

- Industry:
  - ✓ Public and Human Service Transportation
  - ✓ Brokerage and Managed Care Transportation
  - ✓ Non-Emergency Medical Transportation
- Technology:
  - ✓ Intelligent Transportation Systems (ITS)
  - ✓ Scheduling and Routing Optimization
  - ✓ Integrated Geographical Information Systems (GIS)
    - ➢ Computer Aided Dispatching
    - ➢ Local, Regional, and Statewide Coordination
    - ➢ Advanced Data Management
    - ➢ Wireless Integration
    - ➢ Customer access via the Internet

RouteMatch Software™

The RouteMatch Solution

- A simple, “user friendly,” modular software design.
- Integrate with the “best in breed” ITS providers.
- This approach allows technology to grow as the agency grows.



RouteMatch Software™

RouteMatch Customer Locations

What is Transportation Coordination??

RouteMatch Software

What is Transportation Coordination??

It could be…

A cooperative arrangement between transportation service providers to improve the performance and operational efficiency of their service.

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What is Transportation Coordination??

Coordination is also *SHARING*

- Multiple agencies with similar goals in disparate places.
- Government and various providers or funding sources.
- Fixed route system and demand response service providers.

Shared **Objectives**

Shared **Knowledge**

Shared **Power**

Shared **Success**

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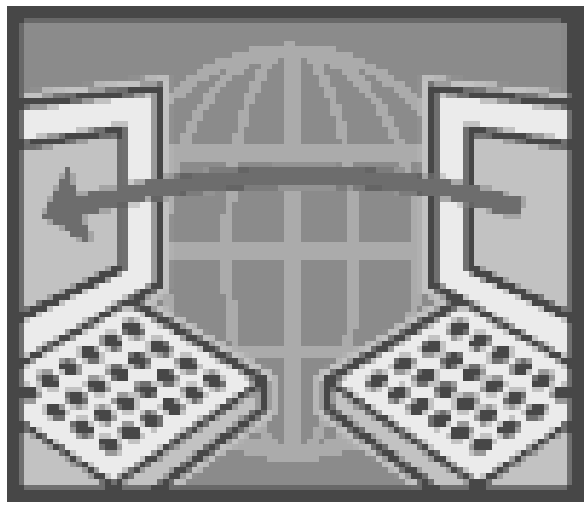
What is Transportation Coordination??

The Technology Perspective

The ability to link systems, data, funding and people to improve the performance and operational efficiency of transportation services.



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The New Role of Technology in Community Transportation

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The New Role of Technology in Community Transportation

- **Federal initiatives:**
  - ✓ USDOT - United We Ride
  - ✓ USDOT - Mobility Services for All Americans
- **State initiatives**
- **A communicator – reducing institutional barriers.**
- **Improved system efficiency and effectiveness.**

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UNITED WE RIDE
COORDINATING HUMAN SERVICE TRANSPORTATION

FEDERAL INTERAGENCY COORDINATING COUNCIL ON ACCESS AND MOBILITY

Action Plan KEY DELIVERABLES

- **GOAL 2 - CONSOLIDATED ACCESS**

  "To simplify access to transportation services and to enhance customer service through the development of a comprehensive and coordinated transportation system." [1]

  - **Deliverable #3: "Computerized consolidated reservation, scheduling, dispatch, payment, billing, and reporting systems developed and disseminated."[1]**

(1) Federal Interagency Coordinating Council on Access and Mobility, Implementing the Executive Order on Human Service Transportation Coordination's Action Plan Key Deliverables.

USDOT: JPO & FTA
Mobility Services for All Americans (MSAA)

- Builds on USDOT's United We Ride efforts through the use of Intelligent Transportation Systems (ITS)

- MSAA Objective:

  "Replicable/Scalable Traveler Management Coordination Center (TMCC) that provides one-stop, unified, customer-based travel information and trip planning services, and supports coordinated human service transportation operations." [1]

(2) http://www.its.dot.gov/initiatives/initiative4.htm

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Advanced Transportation Management Systems

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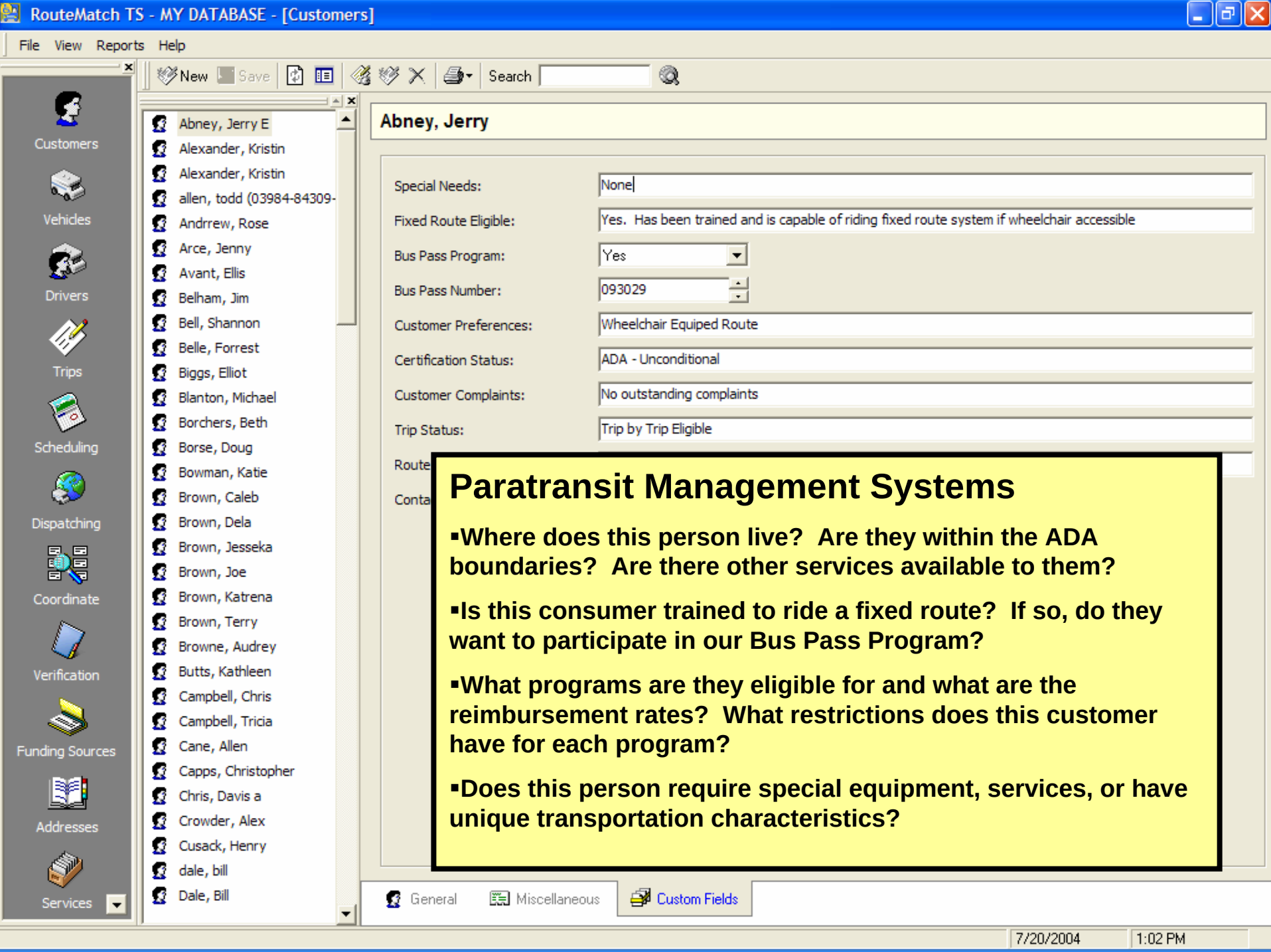
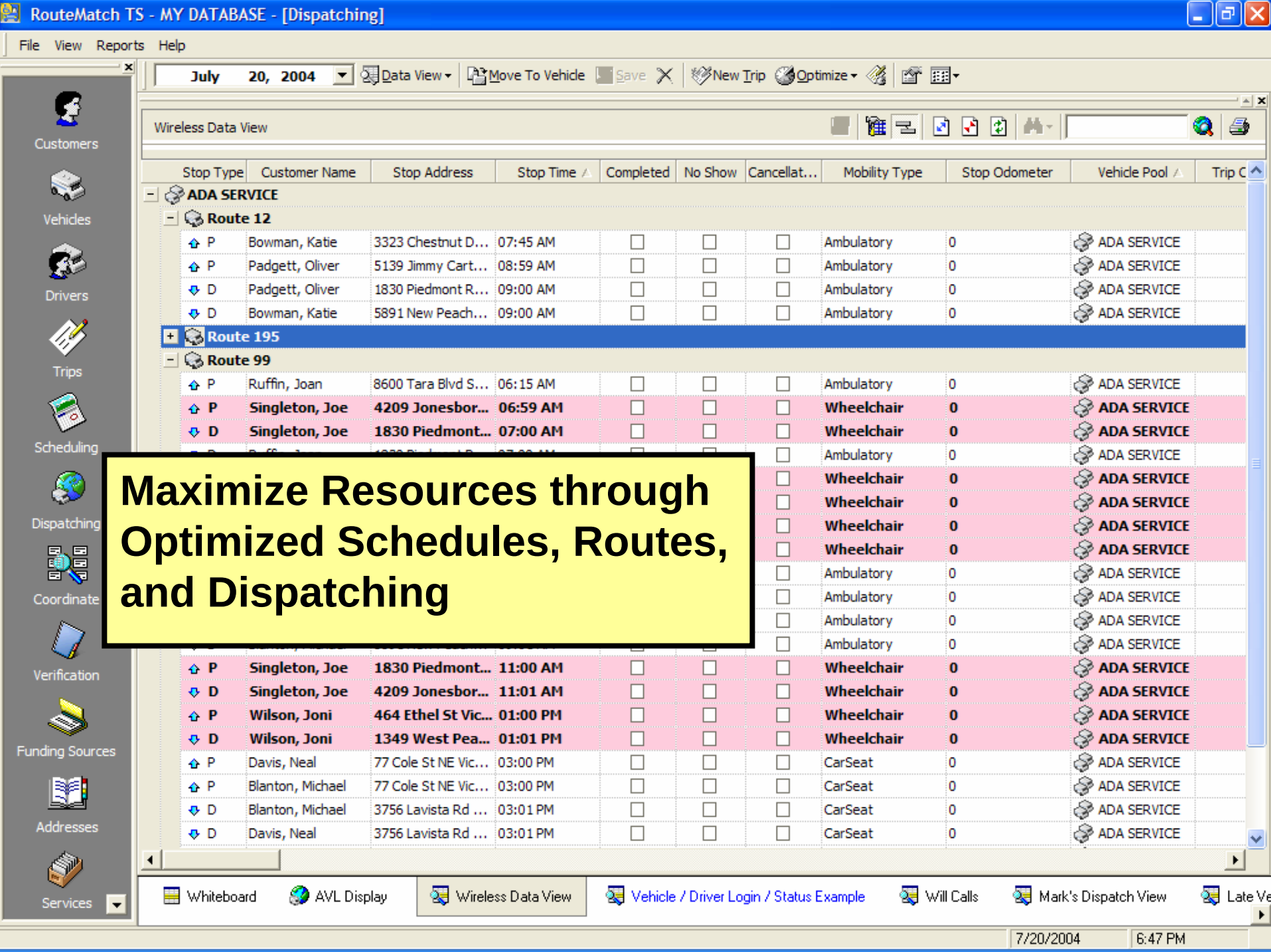
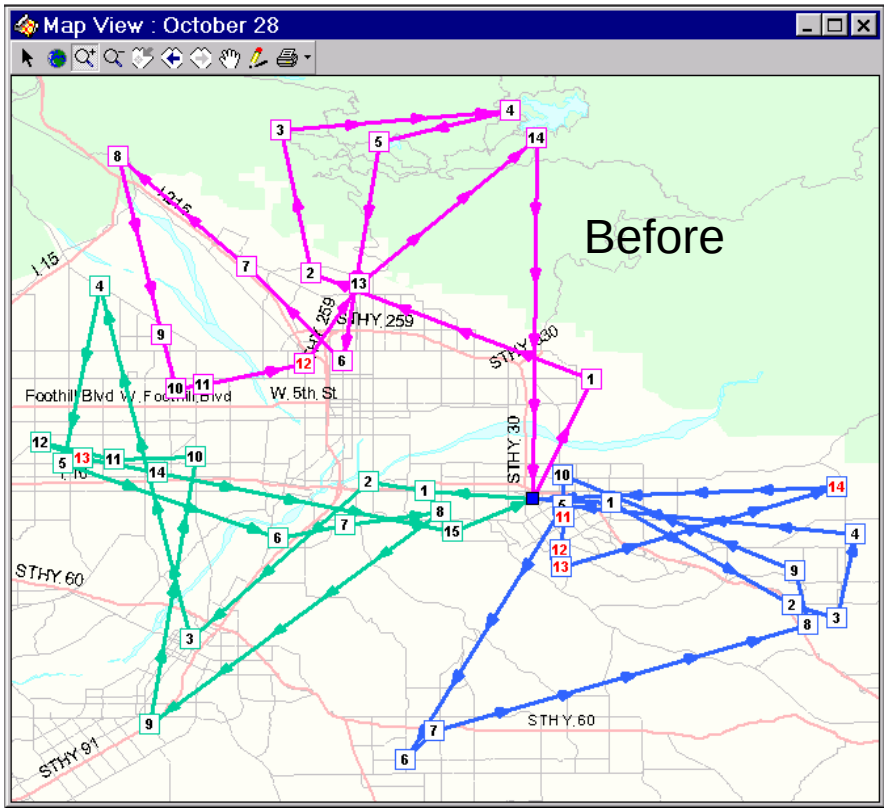
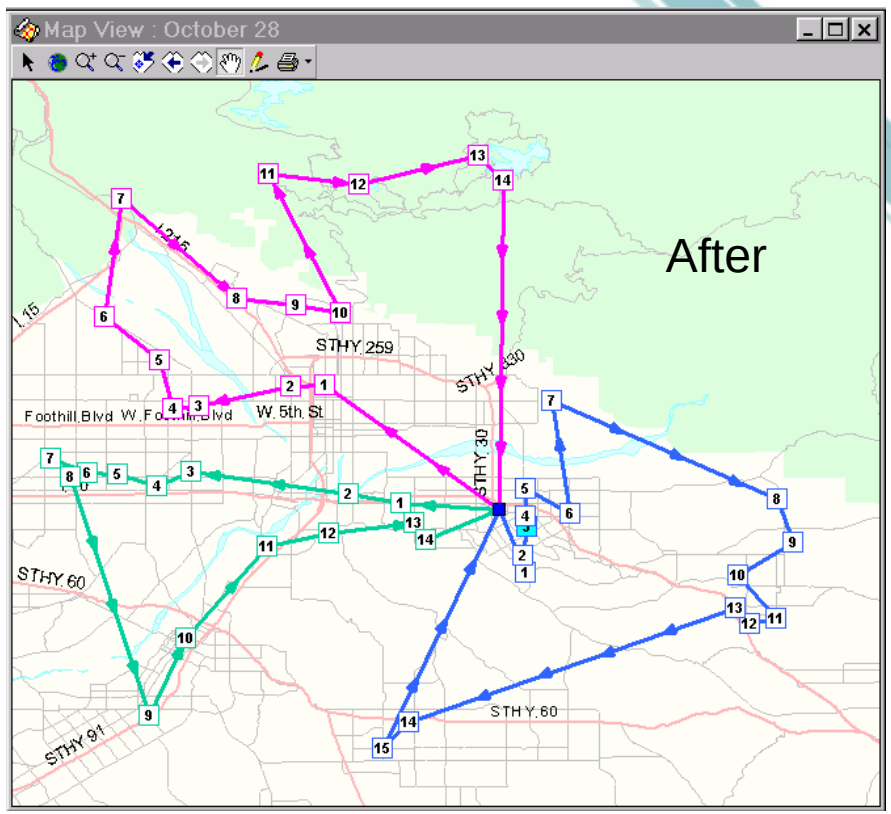

RouteMatch TS - MY DATABASE - [Customers]
File View Reports Help
New Save Search
Customers
Vehicles
Drivers
Trips
Scheduling
Dispatching
Coordinate
Verification
Funding Sources
Addresses
Services
Abney, Jerry E
Alexander, Kristin
Alexander, Kristin
allen, todd (03984-84309-
Andrrew, Rose
Arce, Jenny
Avant, Ellis
Belham, Jim
Bell, Shannon
Belle, Forrest
Biggs, Elliot
Blanton, Michael
Borchers, Beth
Borse, Doug
Bowman, Katie
Brown, Caleb
Brown, Dela
Brown, Jesseka
Brown, Joe
Brown, Katrena
Brown, Terry
Browne, Audrey
Butts, Kathleen
Campbell, Chris
Campbell, Tricia
Cane, Allen
Capps, Christopher
Chris, Davis a
Crowder, Alex
Cusack, Henry
dale, bill
Dale, Bill
Abney, Jerry
Special Needs: None
Fixed Route Eligible: Yes. Has been trained and is capable of riding fixed route system if wheelchair accessible
Bus Pass Program: Yes
Bus Pass Number: 093029
Customer Preferences: Wheelchair Equiped Route
Certification Status: ADA - Unconditional
Customer Complaints: No outstanding complaints
Trip Status: Trip by Trip Eligible
Route
Conta
Paratransit Management Systems
▪Where does this person live? Are they within the ADA boundaries? Are there other services available to them?
▪Is this consumer trained to ride a fixed route? If so, do they want to participate in our Bus Pass Program?
▪What programs are they eligible for and what are the reimbursement rates? What restrictions does this customer have for each program?
▪Does this person require special equipment, services, or have unique transportation characteristics?
General
Miscellaneous
Custom Fields
7/20/2004
1:02 PM


RouteMatch TS - MY DATABASE - [Dispatching]
File View Reports Help
July 20, 2004
Data View
Move To Vehicle
Save
New Trip
Optimize
Wireless Data View
Customers
Vehicles
Drivers
Trips
Scheduling
Dispatching
Coordinate
Verification
Funding Sources
Addresses
Services
Stop Type | Customer Name | Stop Address | Stop Time | Completed | No Show | Cancellat... | Mobility Type | Stop Odometer | Vehicle Pool | Trip C
ADA SERVICE
Route 12
P Bowman, Katie 3323 Chestnut D... 07:45 AM Ambulatory 0 ADA SERVICE
P Padgett, Oliver 5139 Jimmy Cart... 08:59 AM Ambulatory 0 ADA SERVICE
D Padgett, Oliver 1830 Piedmont R... 09:00 AM Ambulatory 0 ADA SERVICE
D Bowman, Katie 5891 New Peach... 09:00 AM Ambulatory 0 ADA SERVICE
Route 195
Route 99
P Ruffin, Joan 8600 Tara Blvd S... 06:15 AM Ambulatory 0 ADA SERVICE
P Singleton, Joe 4209 Jonesbor... 06:59 AM Wheelchair 0 ADA SERVICE
D Singleton, Joe 1830 Piedmont... 07:00 AM Wheelchair 0 ADA SERVICE
Ambulatory 0 ADA SERVICE
Wheelchair 0 ADA SERVICE
Wheelchair 0 ADA SERVICE
Wheelchair 0 ADA SERVICE
Wheelchair 0 ADA SERVICE
Ambulatory 0 ADA SERVICE
Ambulatory 0 ADA SERVICE
Ambulatory 0 ADA SERVICE
Ambulatory 0 ADA SERVICE
P Singleton, Joe 1830 Piedmont... 11:00 AM Wheelchair 0 ADA SERVICE
D Singleton, Joe 4209 Jonesbor... 11:01 AM Wheelchair 0 ADA SERVICE
P Wilson, Joni 464 Ethel St Vic... 01:00 PM Wheelchair 0 ADA SERVICE
D Wilson, Joni 1349 West Pea... 01:01 PM Wheelchair 0 ADA SERVICE
P Davis, Neal 77 Cole St NE Vic... 03:00 PM CarSeat 0 ADA SERVICE
P Blanton, Michael 77 Cole St NE Vic... 03:00 PM CarSeat 0 ADA SERVICE
D Blanton, Michael 3756 Lavista Rd ... 03:01 PM CarSeat 0 ADA SERVICE
D Davis, Neal 3756 Lavista Rd ... 03:01 PM CarSeat 0 ADA SERVICE
Maximize Resources through Optimized Schedules, Routes, and Dispatching
Whiteboard
AVL Display
Wireless Data View
Vehicle / Driver Login / Status Example
Will Calls
Mark's Dispatch View
7/20/2004
6:47 PM

Before and After Routes





RouteMatch Software

Driver Manifest

Provide A Ride

Vehicle: PASS-042 **Run: Unassigned [7:00 am - 6:45 pm]** **Driver Name: _____** **For: 07/01/2002**

	Run Start	First Pickup	Last Dropoff	Run End	Break1 Start	Break1 End	Break2 Start	Break2 End
Time								
Odometer								

Customer Name / Trip ID / Request Time	Pickup Time / Pickup Address	DropOff Time / Dropoff Address	Validation Information: Pickup Time	Dropoff Time	Pickup Odometer	Dropoff Odometer
Garage PullOut	7:00 am Provide A Ride 4299 Cranwood Cleveland, OH 44128					
Jefferies, Paulnika 17753 **9:45 am DO** **Customer Pay: $0.00**	9:00 am 11225 Mt Overlook Drive Cleveland, OH 44104	9:45 am University Hospital 11100 Euclid Avenue Cleveland, OH 44106				
			Cancellation ☐	**No Show** ☐		
Attendants: 0 Guests: 0 Mobility: Ambulatory Service Need:DOWN			Funding Source: 4			
Welch, Katrina 17453 **10:45 am PU** **Customer Pay: $0.00**	10:45 am University Hospital 11100 Euclid Avenue Cleveland, OH 44106	10:46 am 3308 East 118th St Cleveland, OH 44120				
			Cancellation ☐	**No Show** ☐		
Attendants: 0 Guests: 1 Mobility: Ambulatory Service Need:UP Comments: ND INFANT CARSEAT Car Seat Count: 1			Funding Source: 4			
Chaney, Mariqah 17464 **11:00 am PU** **Customer Pay: $0.00**	11:00 am University Hospital Rainbow Babies And Chi 2074 Abington Rd . Cleveland, OH 44106	11:01 am 11128 Mt. Carmel Road Cleveland, OH 44104				
			Cancellation ☐	**No Show** ☐		
Attendants: 0 Guests: 2 Mobility: Ambulatory Service Need:			Funding Source: 4			

- 02/16/2005
- 07/15/2005
- 07/18/2005

On Time Performance

	LATE								EARLY									
Date	> 30	25 - 30	20 - 25	15 - 20	10 - 15	5 - 10	0 - 5	0	0 - 5	5 - 10	10 - 15	15 - 20	20 - 25	25 - 30	> 30	Total	Late Trips	% Late
02/16/200	0	0	0	0	0	0	0	2	0	0	0	0	0	1	0	3	0	0.00
07/15/200	0	0	0	0	0	0	0		0	0	0	0	0		0		0	
07/18/200	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	3	0	0.00
Totals	0	0	0	0	0	0	0	5	0	0	0	0	0	1	0	6		
Percent (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	83.33	0.00	0.00	0.00	0.00	0.00	16.67	0.00	100.00		

Period Summary:

0 Late Trips

6 Total Trips

100.00% On-Time Performance
based on trips more than 20
minutes from the scheduled timing
preference time.

Will Calls

Provide A Ride

Date: 7/10/2002

Time		Customer Name	Address	Telephone	Mobility Type
Pick-Up	11:00 am	Church,Linessia	11100 Euclid Ave Cleveland, OH 44106	(216) 721-1969	Ambulatory
Pick-Up	1:00 pm	Solomon,Darlene	11100 Euclid Avenue Cleveland, OH 44106	(216) 561-2120	Ambulatory
Pick-Up	1:30 pm	Thomas,Rose	11100 Euclid Avenue Cleveland, OH 44106	(216) 268-5878	Ambulatory
Pick-Up	3:00 pm	Tucker,Victoria	11100 Euclid Avenue Cleveland, OH 44106	(216) 721-5448	Ambulatory
Pick-Up	3:30 pm	Trotter,Iesha	11100 Euclid Ave Cleveland, OH 44106	(216) 323-2207	Ambulatory
Pick-Up	4:00 pm	Henry,Luciana	11100 Euclid Ave Cleveland, OH 44106	(216) 426-0048	Ambulatory

Cancellations and No Shows

For trips scheduled from to

RTA Phone: (___) ___-____ Ext:

Customer Name / Phone Number Date Time (PU/DO)	Pickup Address	Dropoff Address	Cancellation	No Show
Alexander, Rene				
07/04/2002 7:00 am (DO)	,	,		X
07/07/2002 7:00 am (DO)	,	,		X
07/05/2002 3:00 pm (PU)	,	,		X
07/07/2002 3:00 pm (PU)	,	,	X	
		Total for Alexander, Rene :	1	3
Al-khabir, Abdur Rahim				
07/07/2002 5:00 pm (PU)	,	,		X
07/06/2002 6:00 pm (PU)	,	,		X
		Total for Al-khabir, Abdur Rahim :	0	2
Anderson, Lana				
07/06/2002 7:00 am (PU)	,	,	X	
		Total for Anderson, Lana :	1	0
Anderson, Latrice				
07/06/2002 7:00 am (DO)	,	,	X	

Transportation Request Notification

'

Dear :

Your request on for assistance with transportation to medical providers has been handled in the following manner:

Approved from through .

Date of Medical Service already Scheduled:

(0) -
Time of Appointment:
Location of Medical Service:
Time to be Picked Up:
Method of Transportation:
Return Trip Arrangements:

Explanation:

*If you disagree with the decision, you have 60 days from the date of this letter, until 12/24/2005, to ask for a hearing. If you do not ask for a hearing by this day, you cannot have a hearing.

Preview

Santa Clarita Transit
NTD Form: Service Non-Rail (S-10) Mode: DR Service DO
For 07/21/2004 to 07/21/2005

Maximum Service Vehicles

01 Vehicles operated in annual maximum service (VOMS)	
02 Vehicles available for annual maximum service	33

Periods of Service	Average Weekday	Average Saturday	Average Sunday	Annual Total
03 Time service begins				
04 Time service ends				

Service Supplied

08 Vehicles in operation	0	0	0	
11 Total actual vehicle miles	22.50	0.00	0.00	45
12 Total actual vehicle revenue miles	12.50	0.00	0.00	25
14 Total actual vehicle hours	2.88	0.00	0.00	5.77
15 Total actual vehicle revenue hours	2.76	0.00	0.00	5.52
16 Charter service hours				
17 School bus hours				

Service Consumed

18 Unlinked passenger trips (UPT)	0.00	0.00	0.00	0
19 Americans with Disabilities Act of 1990 (ADA) unlinked passenger trips (UPT)				0
20 Passenger miles (PM)	0	0	0	0

Service Operated (Days)

21 Days schedule operated	
22 Days not operated due to strikes	
23 Days not operated due to officially declared emergencies	

Develop Accurate and Detailed Invoices & Reports.

Detailed Invoice

Provide A Ride

For trips taken from 6/1/2002 to 8/20/2002

RTA

Rta
1240 West 6th Street
Cleveland, OH 44113

Invoice # :	
# of Trips:	3045
# of Attendants:	0
# of Guests	96
# of No-Shows:	1564
Total Trip Cost:	######
Run Charge:	$31.00
Total Paid:	$0.00
Total Amount Due	######

Customer Name (ID) / Trip Date		Pickup Address	Dropoff Address	Customer Summary Cost	- Paid	= Balance
Achoe, Kia						
6/3/2002 :						
No Show:	False	Tower City	Rta G.c. Services	$ 1.66	$ 0.00	$ 1.66
Attendants:	0	315 W. Huron	7887 Hub Parkway			
Guests:	0	Cleveland, OH 44113	Valley View, OH 44125			
6/3/2002 1						
No Show:	True	Tower City	Rta G.c. Services	$ 7.19	$ 0.00	$ 7.19
Attendants:	0	315 W. Huron	7887 Hub Parkway			
Guests:	0	Cleveland, OH 44113	Valley View, OH 44125			
6/4/2002 :						
No Show:	False	Tower City	Rta G.c. Services	$ 1.60	$ 0.00	$ 1.60
Attendants:	0	315 W. Huron	7887 Hub Parkway			
Guests:	0	Cleveland, OH 44113	Valley View, OH 44125			
6/4/2002 1						
No Show:	True	Tower City	Rta G.c. Services	$ 0.00	$ 0.00	$ 0.00
Attendants:	0	315 W. Huron	7887 Hub Parkway			
Guests:	0	Cleveland, OH 44113	Valley View, OH 44125			
6/5/2002 1						
No Show:	True	Tower City	Rta G.c. Services	$ 14.02	$ 0.00	$ 14.02
Attendants:	0	315 W. Huron	7887 Hub Parkway			
Guests:	0	Cleveland, OH 44113	Valley View, OH 44125			
6/7/2002 1						
No Show:	True	Tower City	Rta G.c. Services	$ 20.59	$ 0.00	$ 20.59
Attendants:	0	315 W. Huron	7887 Hub Parkway			
Guests:	0	Cleveland, OH 44113	Valley View, OH 44125			
6/8/2002 :						
No Show:	True	Tower City	Rta G.c. Services	$ 9.26	$ 0.00	$ 9.26
Attendants:	0	315 W. Huron	7887 Hub Parkway			
Guests:	0	Cleveland, OH 44113	Valley View, OH 44125			
6/8/2002 !						
No Show:	True	Rta G.c. Services	Tower City	$ 33.28	$ 0.00	$ 33.28
Attendants:	0	7887 Hub Parkway	315 W. Huron			
Guests:	0	Valley View, OH 44125	Cleveland, OH 44113			
			Total for Customer Achoe, Kia :	$ 87.60	$ 0.00	$ 87.60

Operating Statistics

Provide A Ride

For 6/1/2002 To 7/1/2002

	Operating Days	One Way Trips	Attendant	Guest	NoShow	Total Passengers	Cancelled Trips	New Customer	Revenue
	Service Hours	Revenue Hours	Non Revenue Hours	Service Miles	Revenue Miles	Non Revenue Miles	Passengers/ Service Hour	Service Miles/ Service Hour	Passengers/ Service Mile
06/01/02 - 07/01/02	31	8549	67	2489	2081	11105	1218	1373	$ 479587.65
	6293.00	4832.00	1461.00	72912.00	-750812.00	823724.00	1.76	11.59	0.15
July 2002	31	8282	143	2653	1789	11078	999	1476	$ 217965.46
	6656.00	5197.00	1459.00	83153.00	9162.00	73991.00	1.66	12.49	0.13
June 2002	30	8195	61	2366	1999	10622	1157	1315	$ 470860.02
	5967.00	4568.00	1399.00	70540.00	-752454.00	822994.00	1.78	11.82	0.15

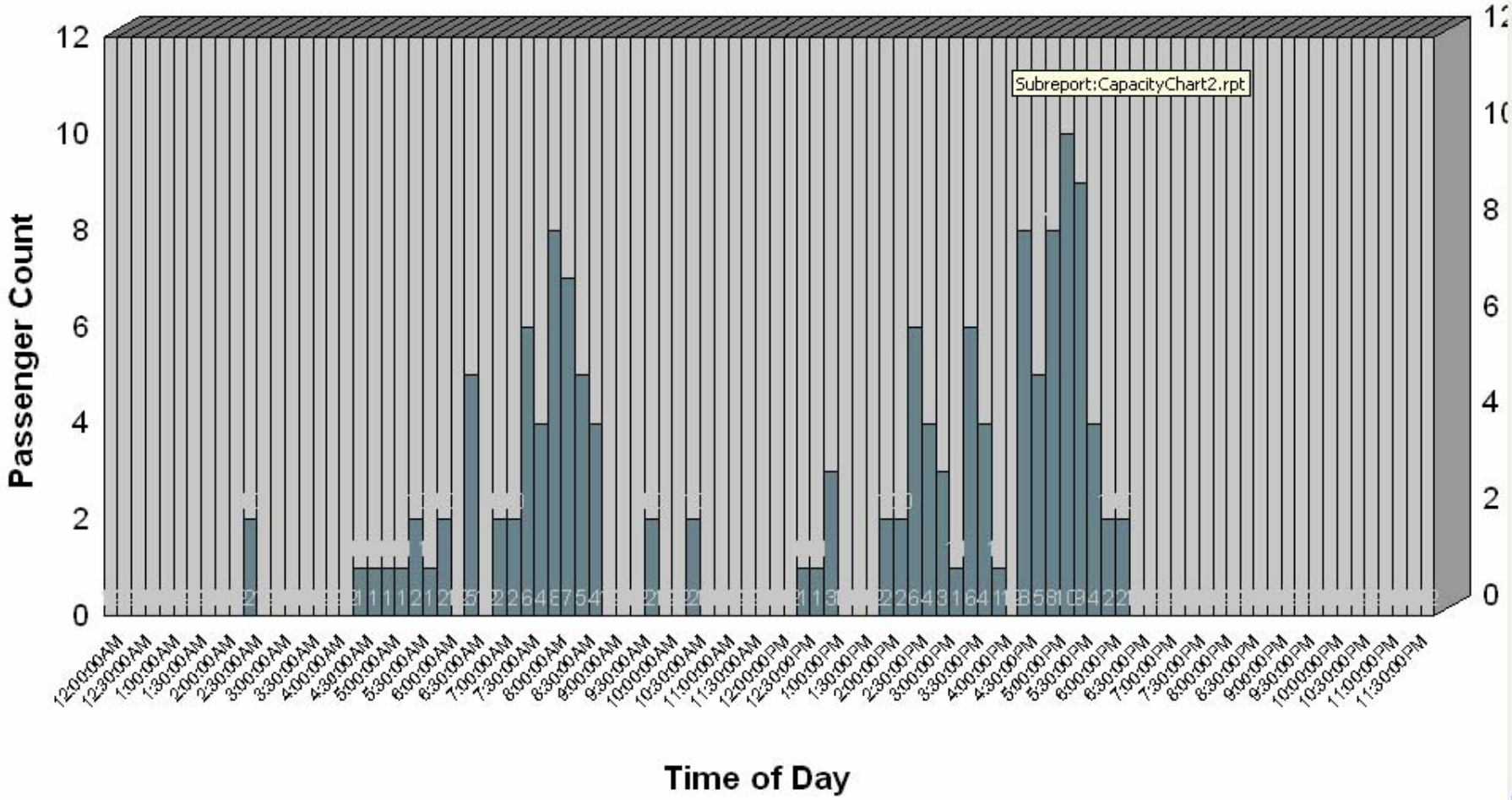
RouteMatch - Capacity vs Load Report

100% 1 of 1

Preview

Vehicle: 60 On 7/21/2005

Capacity vs Load



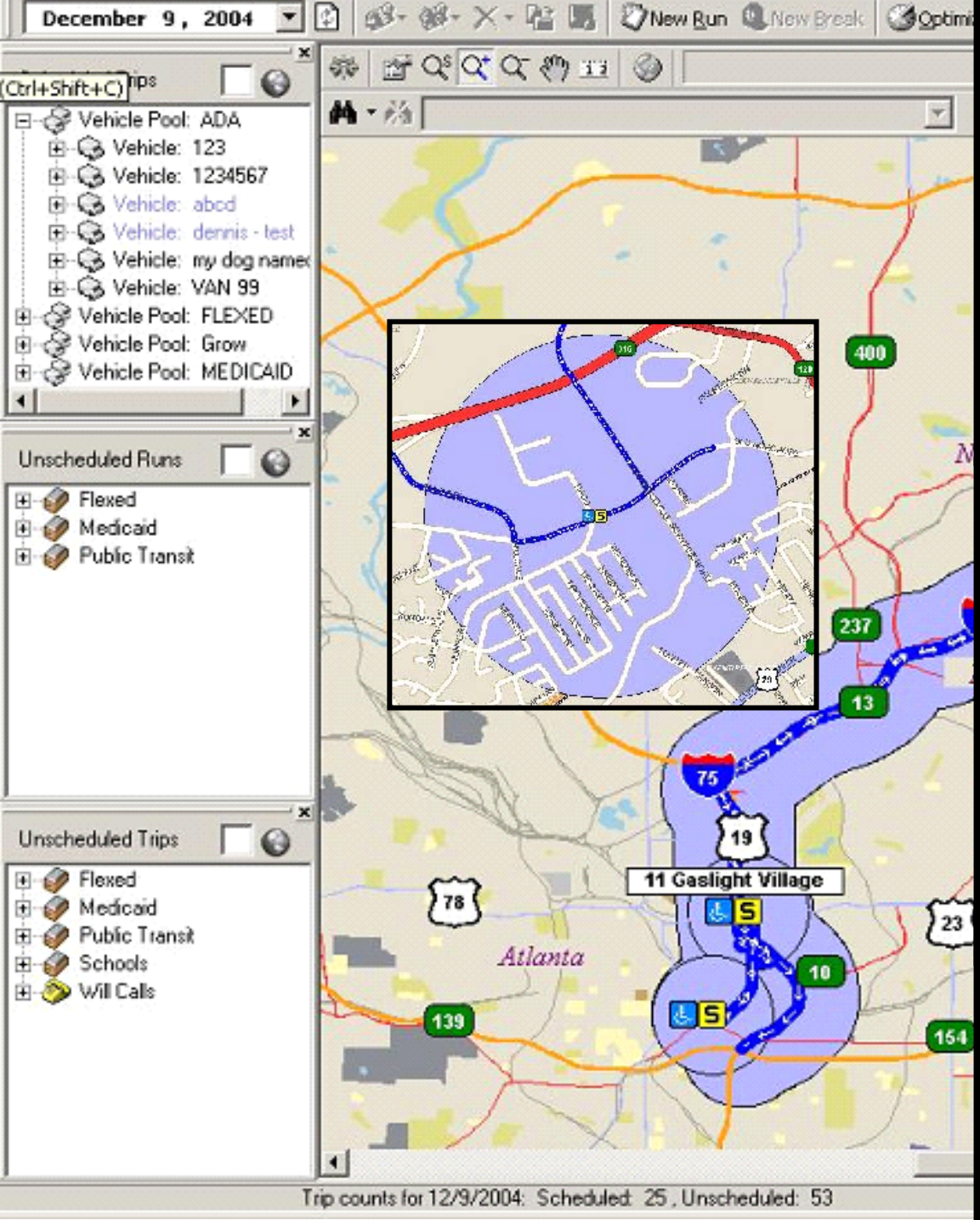
Coordination Tools

RouteMatch Software™

Coordination Tools

- Paratransit – Fixed Route Interoperability
- Paratransit and Human Service Coordination
- Consumer Access

RouteMatch Software™



Integrate Fixed Route Information into your software to make a Demand Response System "Aware" & informed.

- ✓Fixed Route Pattern
- ✓Route Availability
- ✓Time Points
- ✓Accessibility
- ✓ADA Boundary Determination

Integrate Your Bus Stop Information:

- ✓ADA Accessibility
- ✓Walking Barriers
- ✓Environmental Barriers
- ✓Physical Descriptions
- ✓Curb Cuts, Concrete Pad, Information, Hand Rails, Seats, Shelters, etc…

Coordinate Demand Response and Fixed Route Services to Provide More Options to Your Consumers.

Paratransit In-Vehicle ITS Components

Navigation

Passenger ID Cards

Wheelchair Lift

Odometer

MDT/VLU

- Trip Manifests
- Data Collection
- GPS
- Driver Messaging
- Navigation
- Real-time Communication

Fixed Route In-Vehicle ITS Components

Sign

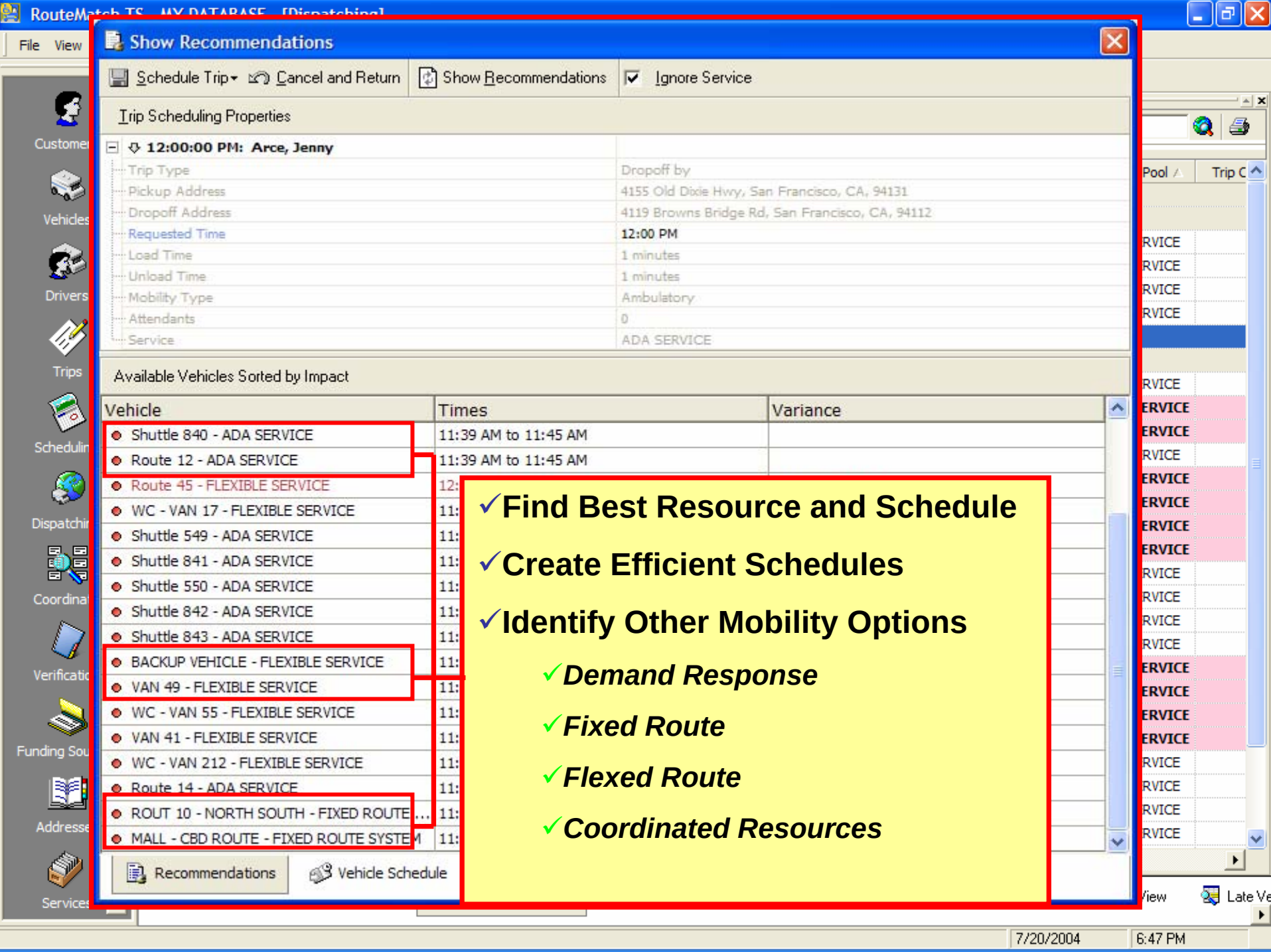
Farebox

Automatic Passenger Counting

Voice Announcement

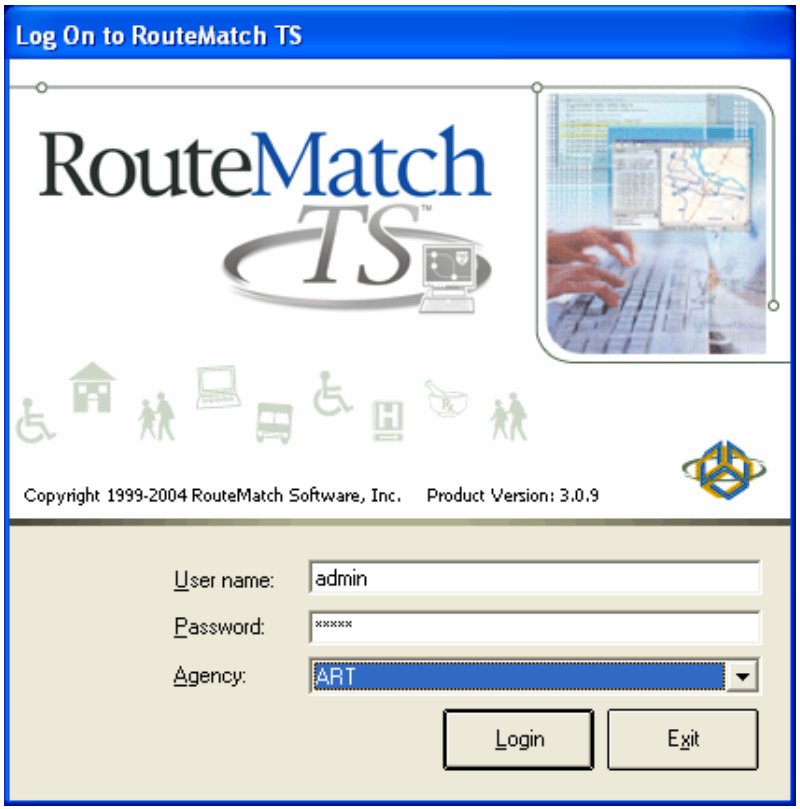
MDT/VLU

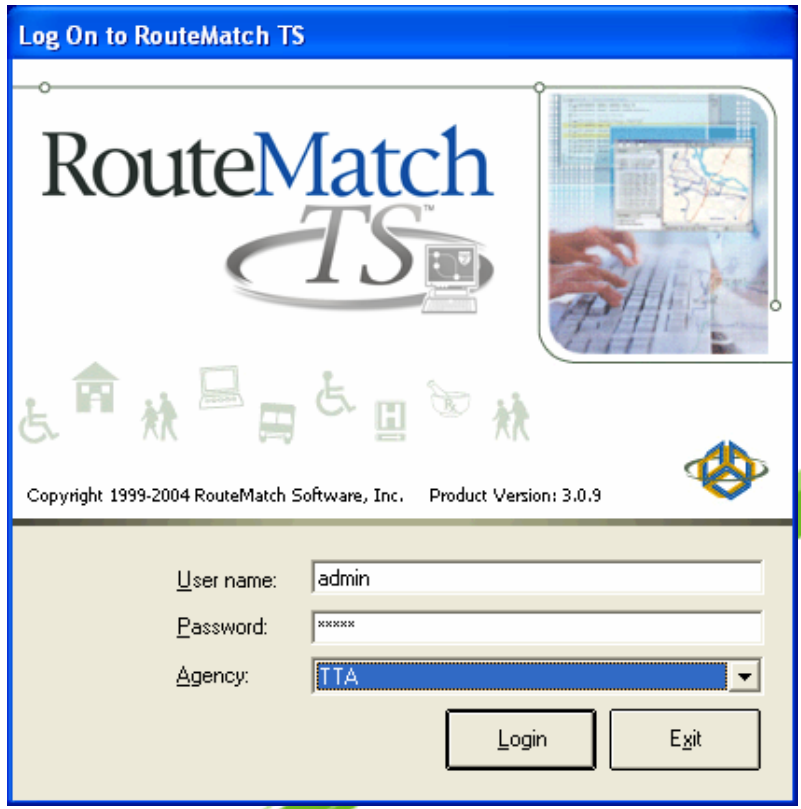
- Data Collection
- Schedule/Route Adherence
- Manage J1708/RS232 Devices
- GPS
- Driver Messsaging
- Real-time Communication


Show Recommendations
Schedule Trip
Cancel and Return
Show Recommendations
Ignore Service
Trip Scheduling Properties
12:00:00 PM: Arce, Jenny
Trip Type
Dropoff by
Pickup Address
4155 Old Dixie Hwy, San Francisco, CA, 94131
Dropoff Address
4119 Browns Bridge Rd, San Francisco, CA, 94112
Requested Time
12:00 PM
Load Time
1 minutes
Unload Time
1 minutes
Mobility Type
Ambulatory
Attendants
0
Service
ADA SERVICE
Available Vehicles Sorted by Impact
Vehicle
Times
Variance
Shuttle 840 - ADA SERVICE
11:39 AM to 11:45 AM
Route 12 - ADA SERVICE
11:39 AM to 11:45 AM
Route 45 - FLEXIBLE SERVICE
WC - VAN 17 - FLEXIBLE SERVICE
Shuttle 549 - ADA SERVICE
Shuttle 841 - ADA SERVICE
Shuttle 550 - ADA SERVICE
Shuttle 842 - ADA SERVICE
Shuttle 843 - ADA SERVICE
BACKUP VEHICLE - FLEXIBLE SERVICE
VAN 49 - FLEXIBLE SERVICE
WC - VAN 55 - FLEXIBLE SERVICE
VAN 41 - FLEXIBLE SERVICE
WC - VAN 212 - FLEXIBLE SERVICE
Route 14 - ADA SERVICE
ROUT 10 - NORTH SOUTH - FIXED ROUTE
MALL - CBD ROUTE - FIXED ROUTE SYSTEM
Recommendations
Vehicle Schedule
✓Find Best Resource and Schedule
✓Create Efficient Schedules
✓Identify Other Mobility Options
✓Demand Response
✓Fixed Route
✓Flexed Route
✓Coordinated Resources
7/20/2004
6:47 PM

Paratransit & Human Service Coordination

Coordination Module

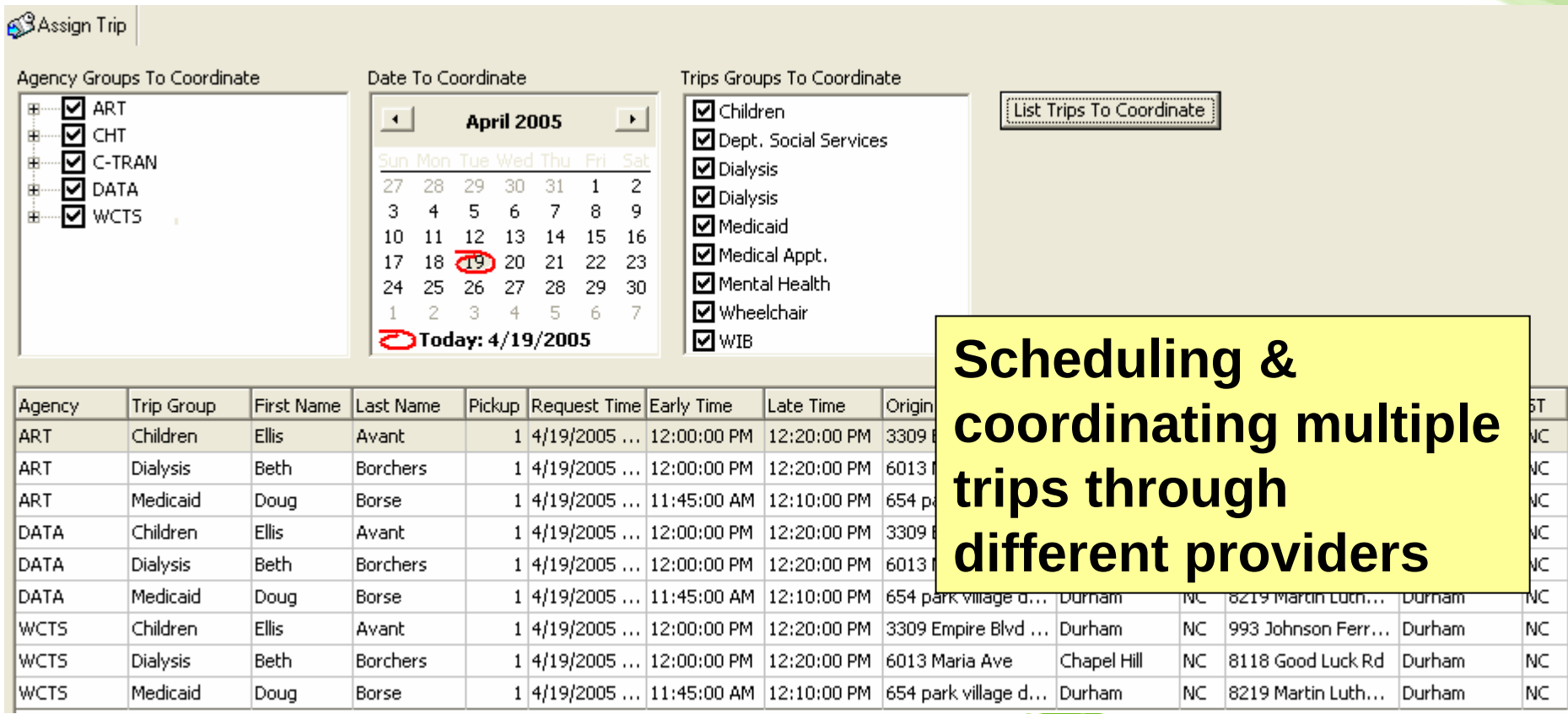




RouteMatch Software

Paratransit & Human Service Coordination

Coordination Module



Agency	Trip Group	First Name	Last Name	Pickup	Request Time	Early Time	Late Time	Origin					
ART	Children	Ellis	Avant	1	4/19/2005 ...	12:00:00 PM	12:20:00 PM	3309 E					NC
ART	Dialysis	Beth	Borchers	1	4/19/2005 ...	12:00:00 PM	12:20:00 PM	6013 M					NC
ART	Medicaid	Doug	Borse	1	4/19/2005 ...	11:45:00 AM	12:10:00 PM	654 pa					NC
DATA	Children	Ellis	Avant	1	4/19/2005 ...	12:00:00 PM	12:20:00 PM	3309 E					NC
DATA	Dialysis	Beth	Borchers	1	4/19/2005 ...	12:00:00 PM	12:20:00 PM	6013 M					NC
DATA	Medicaid	Doug	Borse	1	4/19/2005 ...	11:45:00 AM	12:10:00 PM	654 park village d...	Durham	NC	8219 Martin Luth...	Durham	NC
WCTS	Children	Ellis	Avant	1	4/19/2005 ...	12:00:00 PM	12:20:00 PM	3309 Empire Blvd ...	Durham	NC	993 Johnson Ferr...	Durham	NC
WCTS	Dialysis	Beth	Borchers	1	4/19/2005 ...	12:00:00 PM	12:20:00 PM	6013 Maria Ave	Chapel Hill	NC	8118 Good Luck Rd	Durham	NC
WCTS	Medicaid	Doug	Borse	1	4/19/2005 ...	11:45:00 AM	12:10:00 PM	654 park village d...	Durham	NC	8219 Martin Luth...	Durham	NC

Scheduling & coordinating multiple trips through different providers

RouteMatch Software

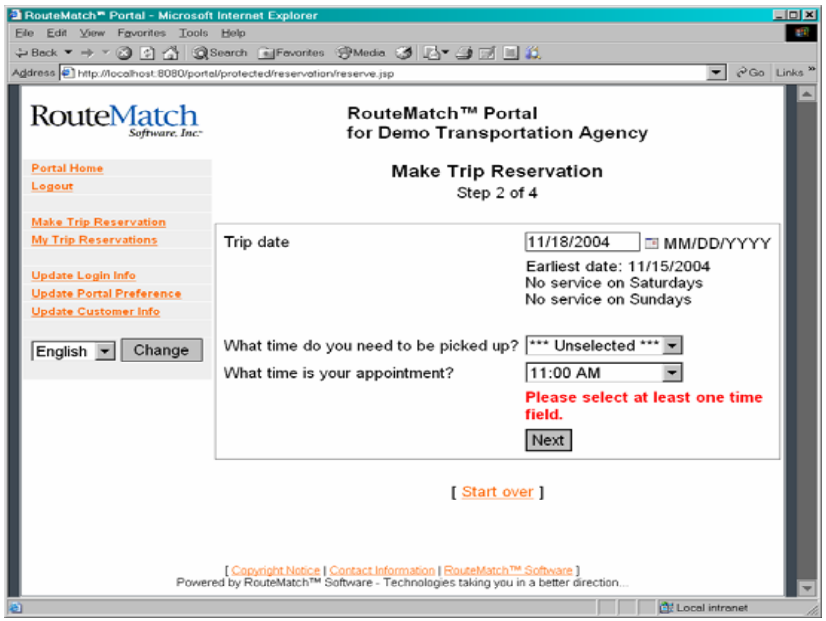
Consumer Access

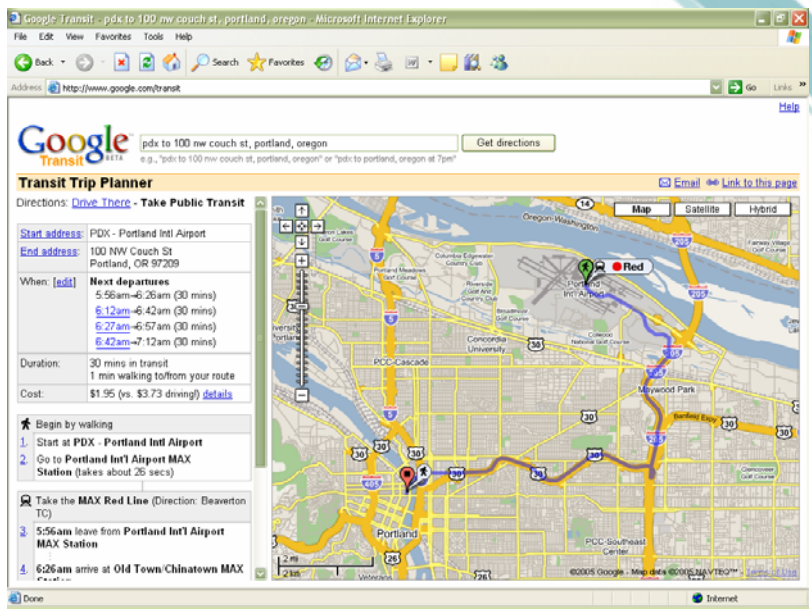
- Web-based Trip planning
- Automated Customer Information Systems
  - Interactive Voice Response (IVR)
- Real time passenger information

RouteMatch Software™

Consumer Access

Web-based Trip planning





- **Online ADA eligibility**
- **Trip booking**

- **Transit Trip Planning**

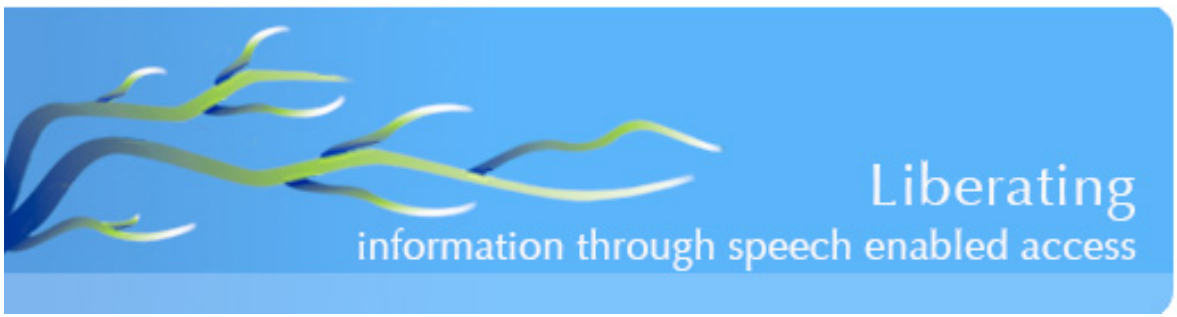
RouteMatch Software™

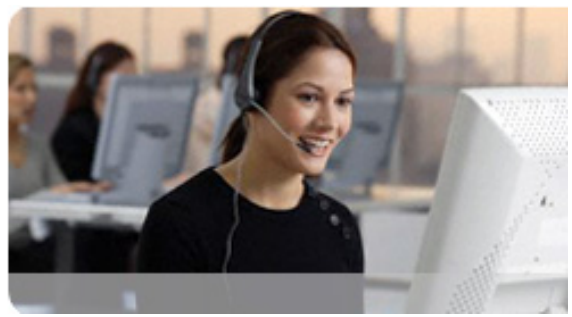
Consumer Access

Automated Customer Information Systems

➢ Interactive Voice Response (IVR)

- Customer
- Operations
- Leveraging Mobile Data





RouteMatch Software™

Consumer Access

Real Time Bus Stop Information

- **Real time bus information at MY bus stop and about MY bus.**
- **80% of riders board at 30% of stops.**
- **Leverage ITS investment to maximize the greatest impact on the rider's experience and to attract new passengers.**

Case Studies & Best Practices

- **Statewide Transit ITS Projects**
  - ✓ Iowa Rural Transit ITS Consortium
  - ✓ South Carolina Virtual Transit Enterprise (VTE)

- **USDOT/FTA Rural Transit ITS Demonstration Projects**

- **Regional & Local Community Transportation ITS Projects**
  - ✓ Kentucky Medicaid Transportation Regions
  - ✓ Paducah Transit Authority, Paducah, KY

RouteMatch Software™

Case Studies & Best Practices

Statewide Transit ITS Projects

- **Iowa Rural and Urban ITS Consortium**

  - Partners: Iowa DOT and the Rural Transit ITS Consortium.
  - Funding: FTA ITS earmarks.

  Technologies include:

  - Centrally-hosted statewide system
  - Scheduling, Routing, Dispatching Software (RouteMatch TS)
  - AVL/MDC
  - Coordination Technologies
  - Web-based ASP Deployment for centralized coordination and standardization.

RouteMatch Software™

Case Studies & Best Practices

Statewide Transit ITS Projects

- **South Carolina Virtual Transit Enterprise (VTE)**

  - Partners: SCDOT and 10 regional transit authorities.
  - Funding: FTA ITS earmarks.

  Technologies include:

  - Scheduling, Routing, Dispatching Software (RouteMatch TS
  - AVL/MDC and Interactive Voice Recognition
  - Coordination Technologies
  - Fixed Route Integration for Small Urban Systems
  - Accounting Integration
  - Web-based ASP Deployment for centralized coordination and standardization.

RouteMatch Software

Case Studies & Best Practices

- **USDOT/FTA Rural Transit ITS Demonstration Projects**
  - ✓ Northern Shenandoah Valley Public Mobility Project, Winchester, VA
  - ✓ Sweetwater County Transit Authority, Rock Springs, WY
  - ✓ Eastern Carolina Council of Governments, New Bern, NC
  - ✓ Maryland Upper Shore Transit System: Queen Anne, Talbot, Kent, Dorchester, & Caroline Counties, MD

RouteMatch Software™

Case Studies & Best Practices

Regional & Local Community Transportation ITS Projects

- **Kentucky Medicaid Transportation Program**
  - Coordination and brokerage technologies
  - RM partners with five of sixteen regional Medicaid transportation brokers across KY.
  - Integrates public transit, Medicaid, health and human services, and other transportation funding programs into a single, coordinated system.
  - Regional brokers include: Paducah Transit Authority, GRITS, Federated Transportation of Blue Grass, Central Kentucky, and Kentucky Foothills

RouteMatch Software™

Case Studies & Best Practices

Regional & Local Community Transportation ITS Projects

❑ Paducah Transit Authority, Paducah, KY

- ✓ **Software Goal:** A high trip volume necessitated the automation of paratransit routing & scheduling while reducing time on reporting and errors.

- ✓ **Results:**
  - Doubled trip capacity from 225,000 to 453,000 per year.
  - Billing & Reporting time savings from 5 days to 1 hour.
  - During first week, PATS reduced their number of drivers by four.
  - Reduced data entry to one person.
  - Operates in a paperless environment with AVL/MDC.
  - Direct Medicaid billing to Commonwealth of Kentucky.

RouteMatch Software™

Thank you!

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