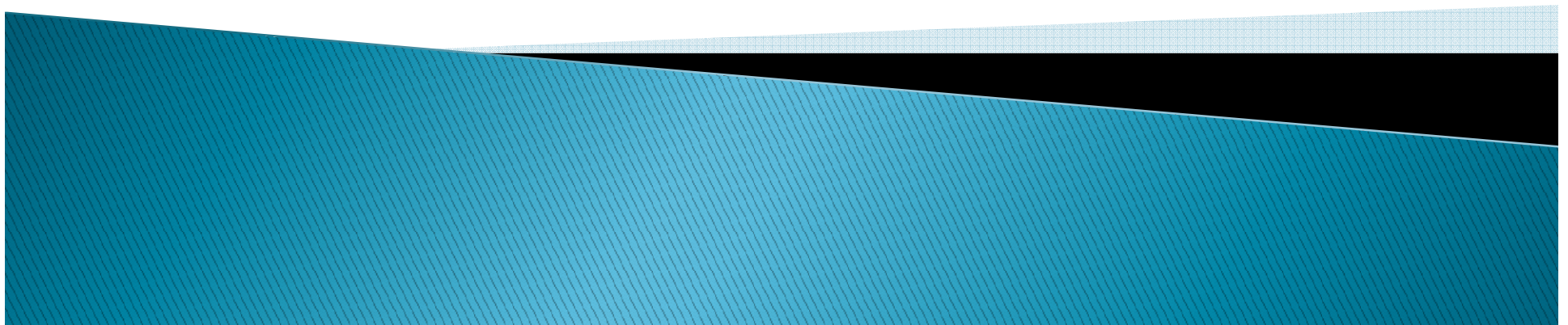


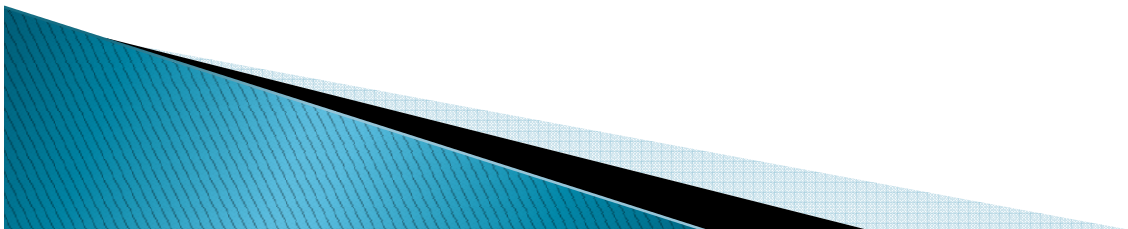
Special Education Transportation Study 2010–2011

Colleen A. Cavanaugh
Pupil Transportation Consulting, Inc.



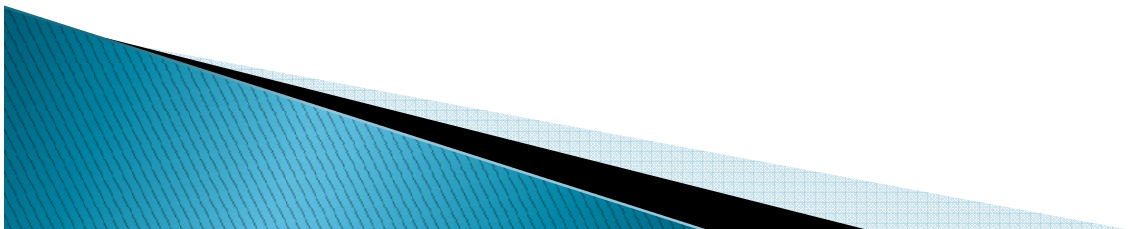
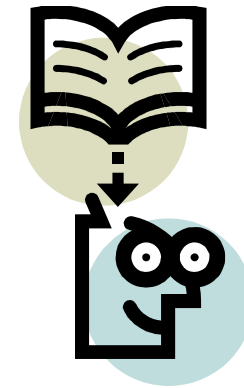
Background

- ▶ According to the October 1, 2009 Special Education Report 10,557 students attended 389 special education programs
- ▶ Funding provided by the DESE to survey private day and collaborative programs to determine actual ridership at the program site



Purpose

- ▶ Further support efforts to reduce and create efficiencies in area of Special Education Transportation
- ▶ Provide information to school administrators relative to actual route sharing they may not be aware of and identify potential route share opportunities



Process

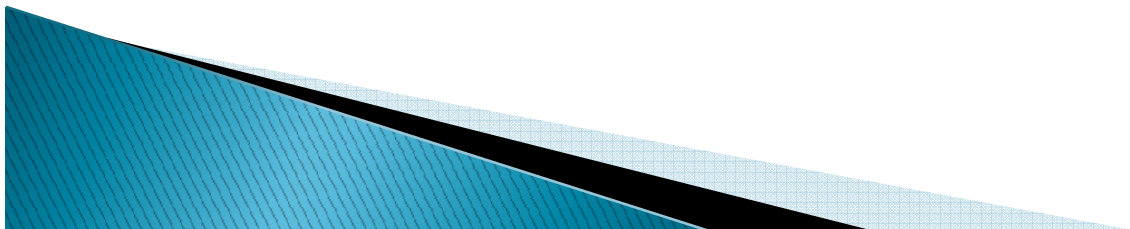
- ▶ Criteria used for selecting programs based on October 1, 2009 Special Education Report identified those programs with students attending from 15 or more districts
- ▶ Survey sent out to 104 programs
- ▶ Data input into Microsoft Access Data Base
- ▶ County assigned for geographic location



Survey

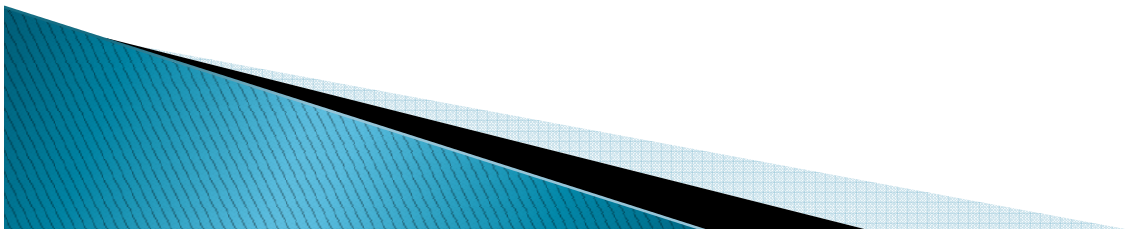
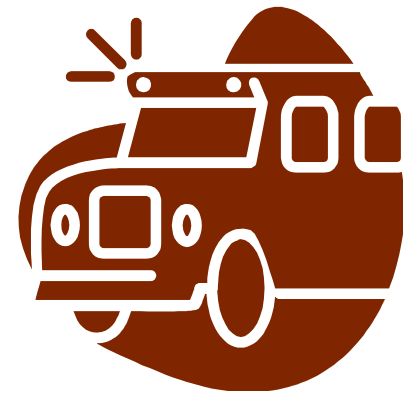
Name of School/Program:				School Location:								
Contact Person:			Email Address:	Phone:				Date:				
Van #	Vehicle Type*	Vendor Name	# of Students per District on the Van	District #1	District #2	District #3	District #4	District #5	District #6	District #7	Monitor Y / N	
1	M	ABC Vendor	2	Sutton								
1	M	ABC Vendor	1		Marlboro							

* Vehicle Type: M=Minivan (Caravan, etc.), V=8 or 12 passenger, S=Sedan, B= Yellow School bus, W=Wheelchair



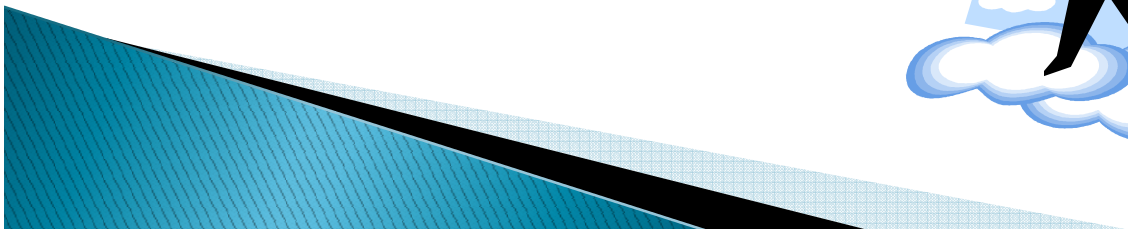
Outcomes

- ▶ Data collected from 25 private day and 11 collaborative programs
- ▶ Represents 224 school districts utilizing 134 service providers transporting 2,036 students
- ▶ Service Providers
 - Private 87
 - Public School 39
 - Collaborative owned 8



Outcomes (Continued)

- ▶ District reports provide information on ridership to a program
- ▶ District can see if sharing with another district or if potential to share exists
- ▶ Sample reports by district and by program generated



Sample Report by District

School District Data

District

Marshfield

Vendor: S.C.O.

Vehicle Details			
Vehicle#	District	Program	# Students
880	Hingham	Pilgrim	2
880	Marshfield	Pilgrim	1
Total Students:			3

Ride share

Vendor: RAZ

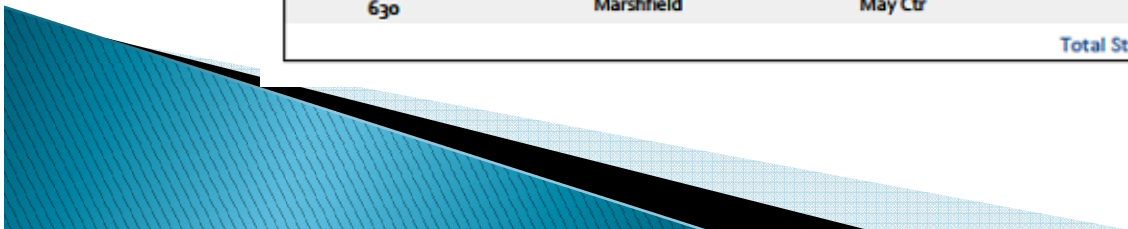
Vehicle Details			
Vehicle#	District	Program	# Students
871	Marshfield	North River Sch	2
Total Students:			2

Single Run

Vendor: Braintree Blue Cab

Vehicle Details			
Vehicle#	District	Program	# Students
630	Braintree	May Ctr	2
630	Marshfield	May Ctr	1
Total Students:			3

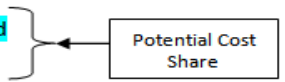
Ride share



Sample Report by Program

CNS Pathways **Location: Belmont**

County	Vendor	Vehicle #	Vehicle Type	# Students	District
Barnstable	Cape Cod Collab	383		1	Sandwich
Essex	Mass Tran	381		1	Gloucester
Middlesex	N. Reading	371		1	North Reading
	N. Reading	371		1	Stoneham
	N. Reading	371		1	Wilmington
	Malden Taxi	372		2	Everett
	YCN	373		2	Newton
	SP&R Transp	374		1	Cambridge
	C.A.S.E.	375		1	Bedford
	MCJ Transportation	376		1	Natick
	AR-BEL Trans	378		1	Arlington
	AR-BEL Trans	378		1	Belmont
	ACCEPT	382		2	Framingham
Plymouth	RAZ	377		1	Marshfield
	Judco	379		1	Duxbury
Suffolk	First Student	370		1	Boston
	Broadway Trans	380		1	Revere
Worcester	Gokey & Quinn	384		2	Leominster



Total Number of Vehicles: 15 **Total Number of Students:** 22

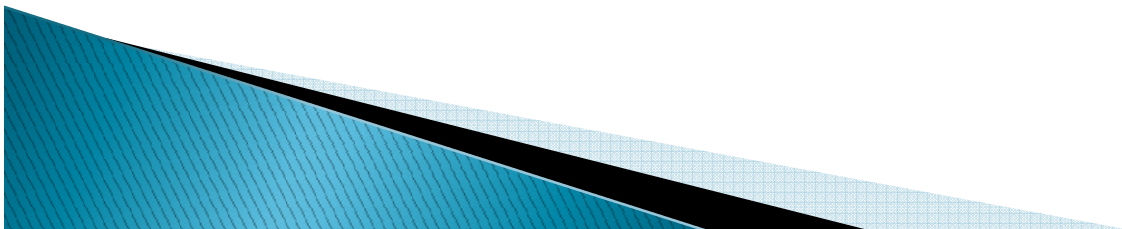


Potential Cost Savings for Marshfield and Duxbury Public Schools

<u>District</u>	<u>Current per Day Cost*</u>	<u>Cost Share**</u>	<u>Annual Savings 180 Days</u>
Marshfield PS	\$215.00	\$107.50	\$19,350.00
Duxbury PS	\$215.00	\$107.50	<u>\$19,350.00</u>
Combined Savings:			<u>\$38,700.00</u>

*Hypothetical figure based on Northeast Network current rate.

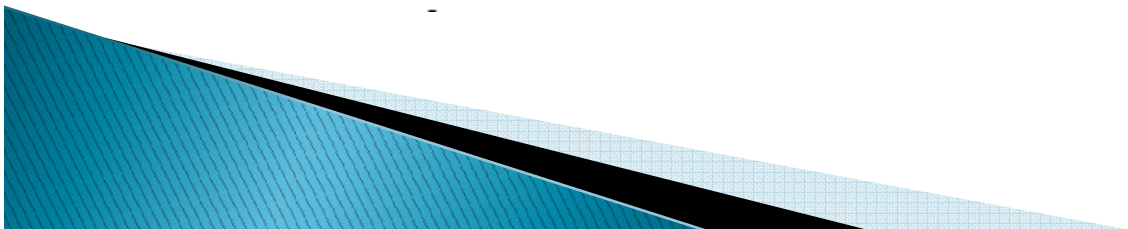
**Per Day cost divided by number of districts.



Outcomes (Continued)

- ▶ Program reports illustrate current ride share scenarios

CNS Pathways				Belmont	
County	Vendor	Vehicle #	Vehicle Type	# Students	District
Barnstable	Cape Cod Collab	383		1	Sandwich
Essex	Mass Tran	381		1	Gloucester
Middlesex	N. Reading	371		1	North Reading
	N. Reading	371		1	Stoneham
	N. Reading	371		1	Wilmington
	Malden Taxi	372		2	Everett
	YCN	373		2	Newton

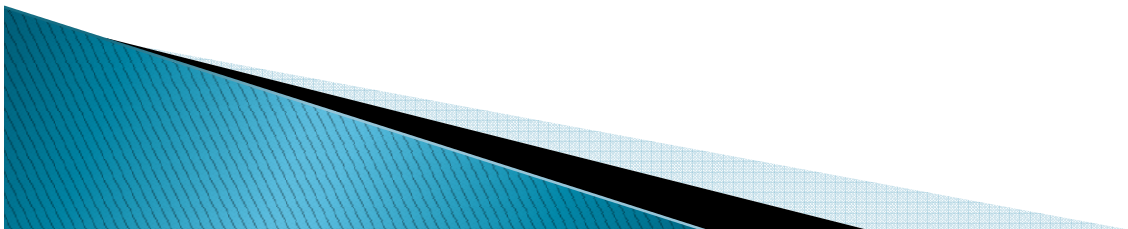


Current Cost Savings

<u>District</u>	<u>Current/Day Cost</u>	<u>Cost Avoidance/Day</u>	<u>Annual Savings 180 Days</u>
North Reading PS	\$71.60	\$215.00	\$25,812.00
Stoneham PS	\$71.60	\$215.00	\$25,812.00
Wilmington PS	\$71.60	\$215.00	\$25,812.00

Combined Cost Avoidance (Savings): \$77,436.00

Figures based on actual services provided by the Northeast Network
If transported separately cost would be \$215 per day for each district



Examples of Collaborative Based Transportation

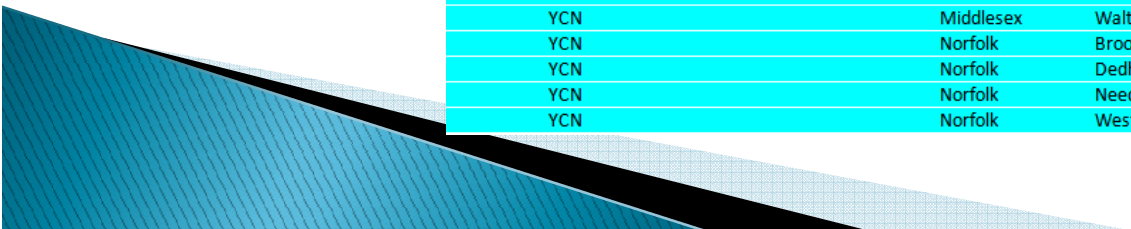
Beacon HS			Location: Watertown		
Vehicle#	Vendor	Vehicle Type	County	Districts	# Students
21	ACCEPT	M	Middlesex	Framingham	2
	ACCEPT	M	Middlesex	Holliston	1
	ACCEPT	M	Middlesex	Hopkinton	1
	ACCEPT	M	Middlesex	Natick	2
	ACCEPT	M	Norfolk	Medfield	1
22	Atlantic Express	M	Worcester	Millbury	1
23	Boston PS		Suffolk	Boston	2
24	C.A.S.E.		Middlesex	Acton-Boxborough	2
	C.A.S.E.		Middlesex	Concord-Carlisle	2
	C.A.S.E.		Worcester	Harvard	1
25	J.S.C. Trans		Middlesex	Newton	3
	J.S.C. Trans		Norfolk	Wellesley	3
	J.S.C. Trans		Worcester	Northboro-Southboro	2
26	Kiessling		Bristol	Easton	2
27	LBK		Essex	Hamilton-Wenham	1
28	Malden Taxi		Middlesex	Everett	1
29	McCarthy & Sons		Worcester	Nashoba	1
30	Melrose PS		Middlesex	Melrose	2
31	N. Reading		Middlesex	Reading	1
	N. Reading		Middlesex	Wakefield	1
	N. Reading		Middlesex	Winchester	1
	N. Reading		Middlesex	Woburn	1
32	SP&R Transp		Middlesex	Somerville	1
33	TLC		Norfolk	Milton	2
34	WCT		Middlesex	Wayland	1
35	YCN		Middlesex	Burlington	1
	YCN		Middlesex	Lexington	2
	YCN		Middlesex	Waltham	1
	YCN		Norfolk	Brookline	1
	YCN		Norfolk	Dedham	2
	YCN		Norfolk	Needham	1
	YCN		Norfolk	Westwood	1

Collaborative provider

Collaborative provider

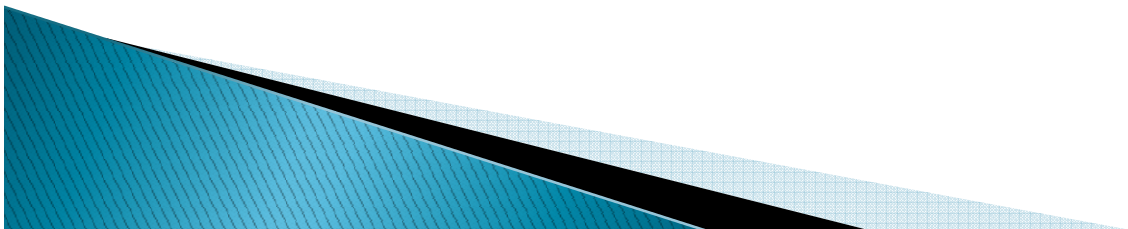
Northeast Network

BICO Collaborative



Conclusions

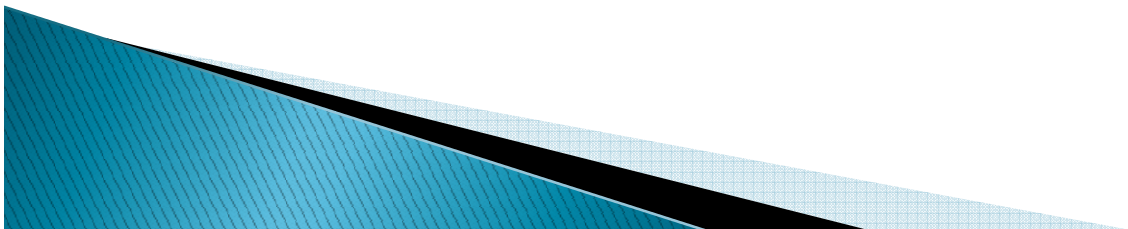
- ▶ Districts can see if they are realizing a cost benefit on the ride share
- ▶ Districts can explore potential cost share opportunities
- ▶ Data suggests more can be done to combine routes



Conclusions (Continued)

- ▶ Hypothetically, if one cost share route between two districts was established based on the previous example the total savings would be

\$1,393,200 (\$38,700 x 36 programs)



Next Steps

- ▶ Grant funding provided to continue project in FY2012
- ▶ Revise survey tool to ensure accuracy, survey targeted programs and update data
- ▶ Develop website for access
- ▶ Provide support to districts, private day and collaborative programs on how best to use the data

