

CTfastrak East

Stakeholder Meeting #1

Manchester Town Hall

November 20, 2015



CTfastrak – Connecticut's First BUS RAPID TRANSIT SYSTEM





HOME

(09/22/15) Gov. Malloy Announces New Capital Dollars to Expand CTfastrak into East Hartford and Manchester

Gov. Malloy Announces New Capital Dollars to Expand CTfastrak into East Hartford and Manchester

For immediate release: September 22, 2015

Twitter: [@GovMalloyOffice](#)

Facebook: [Office of Governor Dannel P. Malloy](#)

Press Release [Link](#)

(Hartford, CT) – Governor Dannel P. Malloy today announced that the State Bond Commission next week is scheduled to vote on a \$7 million allocation that will allow the Connecticut Department of Transportation (CTDOT) to purchase buses and other capital equipment necessary to expand CTfastrak east of the Connecticut River into East Hartford and Manchester.



Today's Agenda

- **CT*fastrak*** East planning process
- What is **CT*fastrak***?
- How can **CT*fastrak*** be extended east?
- Where should **CT*fastrak*** East go?
- Discussion and Next Steps



CTfastrak East Implementation Timeline

- Phased implementation of services and facility improvements
- Initial service – summer 2016
 - Using existing bus fleet
- Additional service phased in starting in 2017
 - Using additional buses and facilities



CTfastrak East Planning Study Stages

- February 2016 – completion of study tasks to develop an initial service plan for 2016
- September 2016 – completion of study to develop a plan for services beyond 2016



What is CTfastrak?

- Connecticut's first Bus Rapid Transit system
- High Quality Bus Rapid Transit offers state-of-the-art features:
 - Running way
 - Stations and Stops
 - Fare collection
 - Vehicles
 - ITS elements
 - Frequent all-day service
 - Faster service / fewer stops
 - Regional connections
 - Recognizable brand



Running Way

CT **fastrak** Bus Only Roadway – New Britain to Downtown Hartford



Stations and Stops



Stations on Bus
Only Roadway



Enhanced Shelters
at Other Locations



Fare Collection



Proof of Payment Required
for Faster All-Door Boarding



Vehicles

A Variety of Bus Types Suited to Usage

The region's first rapid transit system

 **CTfastrak**



- Length: 30 feet
- Rider Capacity: 28 seats, 10 standees
- System Use: New CTfastrak Connector & Circulator Routes
- Manufacturer: Gillig LLC, California



- Length: 40 feet
- Rider Capacity: 39 seats, 10 standees
- System Use: CTfastrak Local Routes
- Manufacturer: New Flyer, Minnesota



- Length: 45 feet
- Rider Capacity: 55 seats, no standees
- System Use: CTfastrak Express Routes
- Manufacturer: MCI, Illinois



- Length: 60 feet
- Rider Capacity: 55 seats, 19 standees
- System Use: CTfastrak guideway/Downtown Htfd
- Manufacturer: Nova, NY

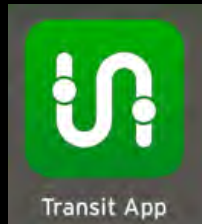
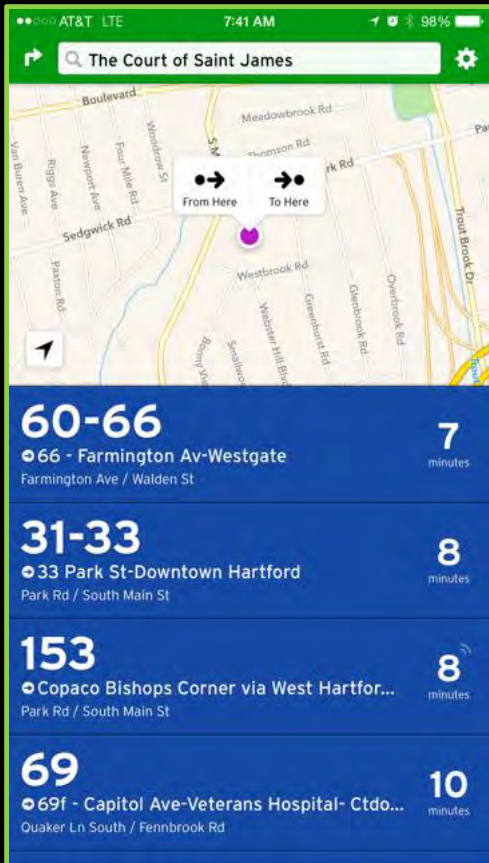


 **CTfastrak**



ITS for Real Time Bus Arrival Information

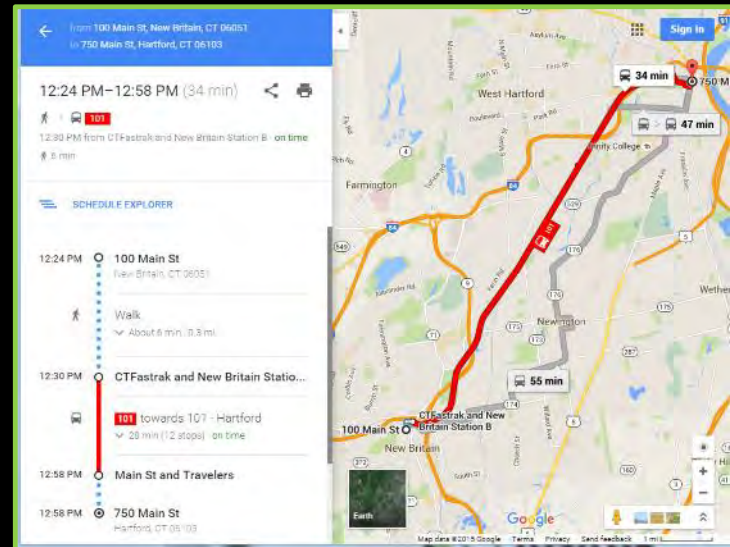
“Transit App” for iPhone, Android and Tablets



Station Displays



Google Transit



CT fastrak




Frequent All-Day Service

Bus Schedule Effective August 16, 2015

121

**MANCHESTER CC /
HARTFORD /
UCONN HEALTH**

via CTfastrak



Contact Us
860.525.9181
TTY: 860.733.8106

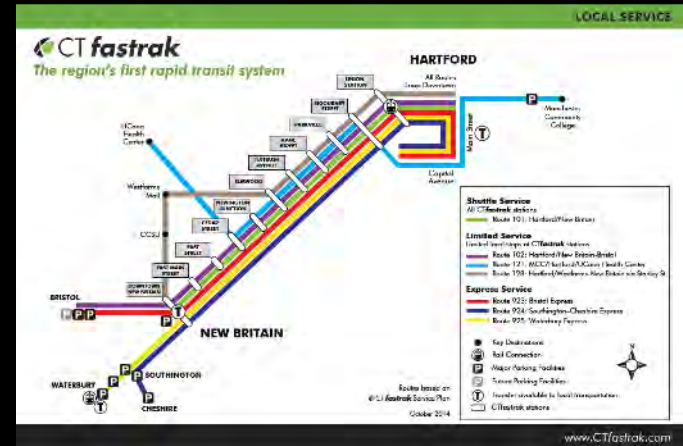
WEEKDAY SERVICE

	UCONN Health ▶ Hartford ▶ via CTfastrak ▶ Manchester Community College																
Timepoints	16	17	15	14	13	12	11	10	9	8	7	6	4	3	2	1	
Route	UCONN Health John Dempsey Hospital	UCONN Health Outpatient Pavilion	CTfastrak Cedar Street Station Bus Stop C	CTfastrak Newington Junction Station Platform A	CTfastrak Blinwood Station Platform A	CTfastrak Flatbush Avenue Station Platform A	CTfastrak Kane Street Station Platform A	CTfastrak Parkville Station Platform A	CTfastrak Sigmund Street Station Platform D	The Bushnell Capitol & Trinity	Travelers Main & Atheneum Sq	100 Constitution Plaza Market & Talcott	Church Corner Connecticut Blvd & Main	East Hartford Silver & Forbes	Spencer Street Park & Ride (Group out-of-amp-uson request)	Manchester Community College / AST Tower	Continues to route
121										4:58	4:58	5:05	5:07	5:11	5:18		5:24
121										5:12	5:18	5:25	5:27	5:31	5:38		5:44
121		5:10	5:20	5:23	5:25	5:27	5:29	5:31	5:33	5:38	5:45	5:47	5:51	5:58			6:04
121	5:33	5:38	6:00	6:05	6:05	6:05	6:08	6:10	6:12	6:14	6:15	6:24	6:27	6:34	6:41		6:47
121	6:13	6:27	6:34	6:42	6:44	6:47	6:49	6:51	6:53	6:58	7:05	7:07	7:12	7:21			7:27
121	6:31	6:41	6:59	7:07	7:04	7:07	7:10	7:11	7:13	7:18	7:25	7:27	7:32	7:41			7:47
121	6:54	7:07	7:19	7:27	7:24	7:27	7:29	7:31	7:33	7:38	7:45	7:47	7:52	8:01			8:07
121	7:14	7:27	7:39	7:42	7:44	7:47	7:49	7:51	7:53	7:58	8:05	8:07	8:12	8:21			8:27
121	7:36	7:47	7:59	8:02	8:04	8:07	8:09	8:11	8:13	8:18	8:25	8:27	8:32	8:41			8:47
121	7:56	8:07	8:19	8:22	8:24	8:27	8:29	8:31	8:33	8:38	8:45	8:47	8:52	9:01			9:07
121	8:16	8:27	8:39	8:42	8:44	8:47	8:49	8:51	8:53	8:58	9:05	9:07	9:12	9:21			9:27
121	8:36	8:47	8:59	9:02	9:04	9:07	9:09	9:11	9:13	9:18	9:25	9:27	9:32	9:41			9:47
121	8:56	9:07	9:20	9:22	9:24	9:27	9:29	9:31	9:33	9:38	9:45	9:47	9:52	10:01			10:07
121	9:35	9:47	9:59	10:02	10:04	10:07	10:09	10:11	10:13	10:18	10:25	10:27	10:33	10:42			10:48
121	10:25	10:37	10:50	10:52	10:54	10:57	10:59	11:01	11:03	11:08	11:15	11:17	11:23	11:32			11:38
121	10:33	10:47	10:59	11:01	11:04	11:07	11:09	11:11	11:13	11:18	11:25	11:27	11:33	11:42			11:48
121	11:03	11:17	11:29	11:32	11:34	11:37	11:39	11:41	11:43	11:48	11:55	11:57	12:03	12:12	R12:16		12:20
121	11:25	11:47	11:59	12:02	12:04	12:07	12:09	12:11	12:13	12:18	12:25	12:27	12:33	12:42	R12:46		12:50
121	12:05	12:17	12:29	12:32	12:34	12:37	12:39	12:41	12:43	12:48	12:55	12:57	1:03	1:12	R1:16		1:20
121	12:33	12:47	12:59	1:02	1:04	1:07	1:09	1:11	1:13	1:18	1:25	1:27	1:33	1:42	R1:46		1:50
121	1:05	1:17	1:29	1:32	1:34	1:37	1:39	1:41	1:43	1:48	1:55	1:57	2:03	2:12	R2:16		2:20
121	1:33	1:47	1:59	2:02	2:04	2:07	2:09	2:11	2:13	2:18	2:25	2:27	2:33	2:42	R2:46		2:50
121	2:09	2:21	2:33	2:36	2:38	2:41	2:43	2:45	2:47	2:52	3:00	3:02	3:08	3:17	R3:21		3:25
121	2:33	2:46	2:58	3:01	3:03	3:06	3:08	3:10	3:12	3:17	3:25	3:27	3:33	3:42	R3:46		3:50
121		3:06	3:18	3:21	3:23	3:26	3:28	3:30	3:32	3:37	3:45	3:47	3:53	4:02	R4:06		4:10
121	3:03	3:24	3:36	3:41	3:43	3:46	3:48	3:50	3:52	3:57	4:05	4:07	4:13	4:22	R4:26		4:30
121	3:39	3:44	3:58	4:01	4:03	4:06	4:08	4:10	4:12	4:17	4:25	4:27	4:33	4:42	R4:46		4:50
121	3:54	4:04	4:18	4:21	4:23	4:26	4:28	4:30	4:32	4:37	4:45	4:47	4:53	5:02	R5:06		5:10
121	4:14	4:24	4:38	4:41	4:43	4:46	4:48	4:50	4:52	4:57	5:05	5:07	5:13	5:22	R5:26		5:30
121	4:34	4:44	4:58	5:01	5:03	5:06	5:08	5:10	5:12	5:17	5:25	5:27	5:33	5:42	R5:46		5:50
121	4:54	5:04	5:18	5:21	5:23	5:26	5:28	5:30	5:32	5:37	5:45	5:47	5:53	6:02	R6:06		6:10
121	5:14	5:24	5:38	5:41	5:43	5:46	5:48	5:50	5:52	5:57	6:05	6:07	6:13	6:22	R6:26		6:30
121	5:34	5:44	5:58	6:01	6:03	6:06	6:08	6:10	6:12	6:17	6:25	6:27	6:33	6:42	R6:46		6:50
121	5:54	6:07	6:19	6:22	6:24	6:27	6:29	6:31	6:33	6:38	6:45	6:47	6:53	7:02	R7:06		7:10
121	6:14	6:27	6:39	6:42	6:44	6:47	6:49	6:51	6:53	6:58	7:05	7:07	7:12	7:21	R7:25		7:29
121	6:34	7:00	7:10	7:13	7:15	7:17	7:19	7:21	7:23	7:28	7:35	7:37	7:42	7:51	R7:55		7:59
121	6:53	7:20	7:30	7:33	7:35	7:37	7:39	7:41	7:43	7:48	7:55	7:57	8:02	8:11	R8:15		8:19
121	8:02	8:20	8:30	8:33	8:35	8:37	8:39	8:41	8:43	8:48	8:55	8:57	9:02	9:11	R9:15		9:19
121	9:02	9:20	9:30	9:33	9:35	9:37	9:39	9:41	9:43	9:48	9:55	9:57	10:02	10:11	R10:15		10:19
121	10:02	10:10	10:20	10:23	10:25	10:27	10:29	10:31	10:33	10:38	10:45	10:47	10:52	11:01	R11:05		11:09
121	11:03	11:10	11:20	11:23	11:25	11:27	11:29	11:31	11:33	11:38	11:45	11:47	11:52	12:01	R12:05		12:09

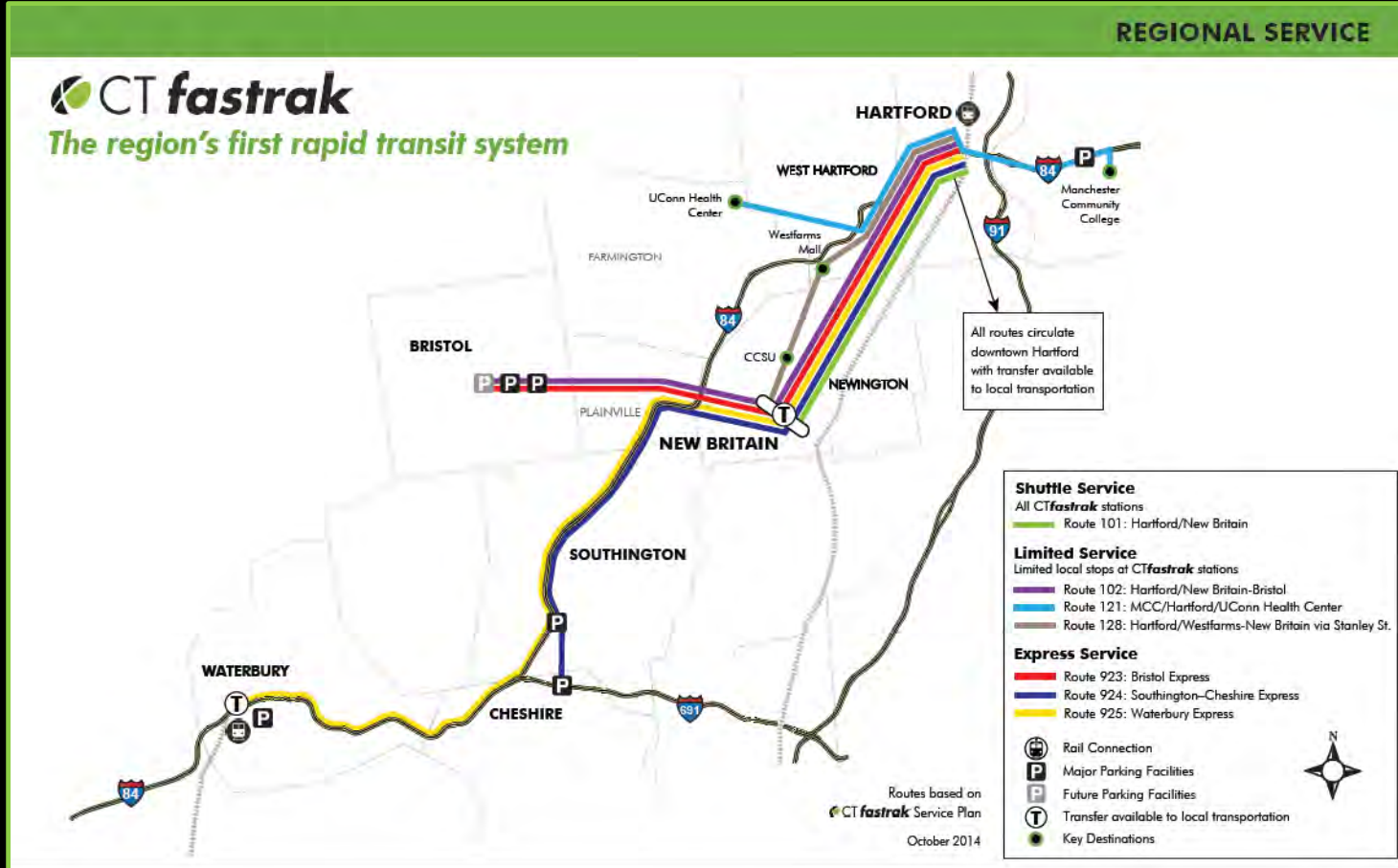


Faster Service with Fewer Stops

- Fewer stops means faster travel
- Stations spaced 0.5 to 1.7 miles apart
- On-street stops not as close together as on other bus routes



Regional Connections



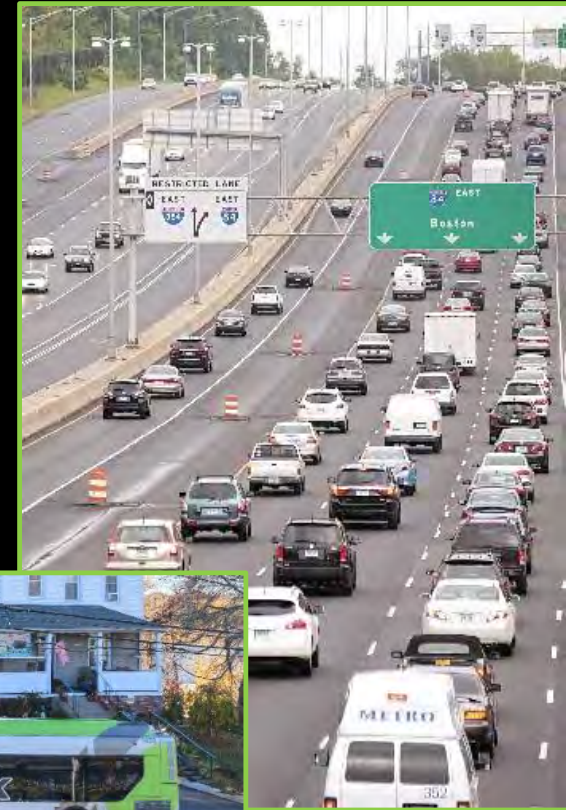
What is CTfastrak East?

- An expansion of the *CTfastrak* brand east of the Connecticut River
- Incorporating as many features as possible
 - Running way
 - Stations
 - Fare collection
 - Vehicles
 - ITS elements
 - Frequent all-day service
 - Faster service / fewer stops
 - Regional connections
 - Recognizable brand



CTfastrak East Running Way

- I-84 / I-384 HOV lane
 - for longer express routes
- Arterial streets
 - for limited stop service
- No new bus only roadway



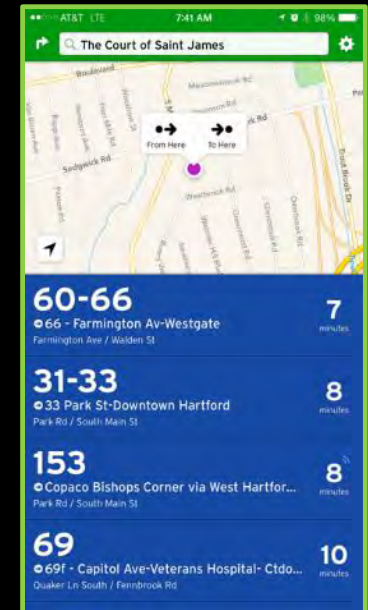
CTfastrak East Stations

- Enhanced shelters
 - Most stops
- **CTfastrak** type shelters
 - May be possible at a few locations
- No Ticket Machines
 - On-board fare collection
 - Proof of payment required on bus only roadway
 - Pre-paid smart cards in 2016



CTfastrak East Real Time Arrival Information

- All buses will be equipped with Automatic Vehicle Location (AVL) by the end of 2016
- Real Time Arrival Information
 - Transit App
 - Wireless technology options being explored for station displays



CTfastrak East Service Plan

- Service plan to be developed
 - Frequent service
 - Fewer stops
 - Regional connections
- Service options
 - Express routes
 - Local routes
 - Connector routes
 - Circulator routes
- Implementation Timeframe
 - Summer 2016
 - Future phases



- Study area
 - East Hartford, Manchester, South Windsor, Vernon, Tolland, Bolton, Coventry, Mansfield (UConn)



CTfastrak East Buses

- All CTfastrak buses now in use at peak times
- Buses available in 2016 for off-peak service
- Peak period service subject to bus availability



Possible Timing of CTfastrak East Features

Peak Period Service	subject to availability of buses
Off-Peak Service	Summer 2016
Real Time Information	Transit App - summer 2016 Station displays - to be determined
Local Branded Shelters	Installation beginning in 2016
New/Expanded Park & Ride	2018, If needed

Implementation of all new services subject to funding availability



Local CTtransit Bus or CTfastrak?

- **CTtransit** local bus services

- within walking distance for as many as possible
- frequency matched to demand
- access to employment and other needs
- both local and longer distance trips

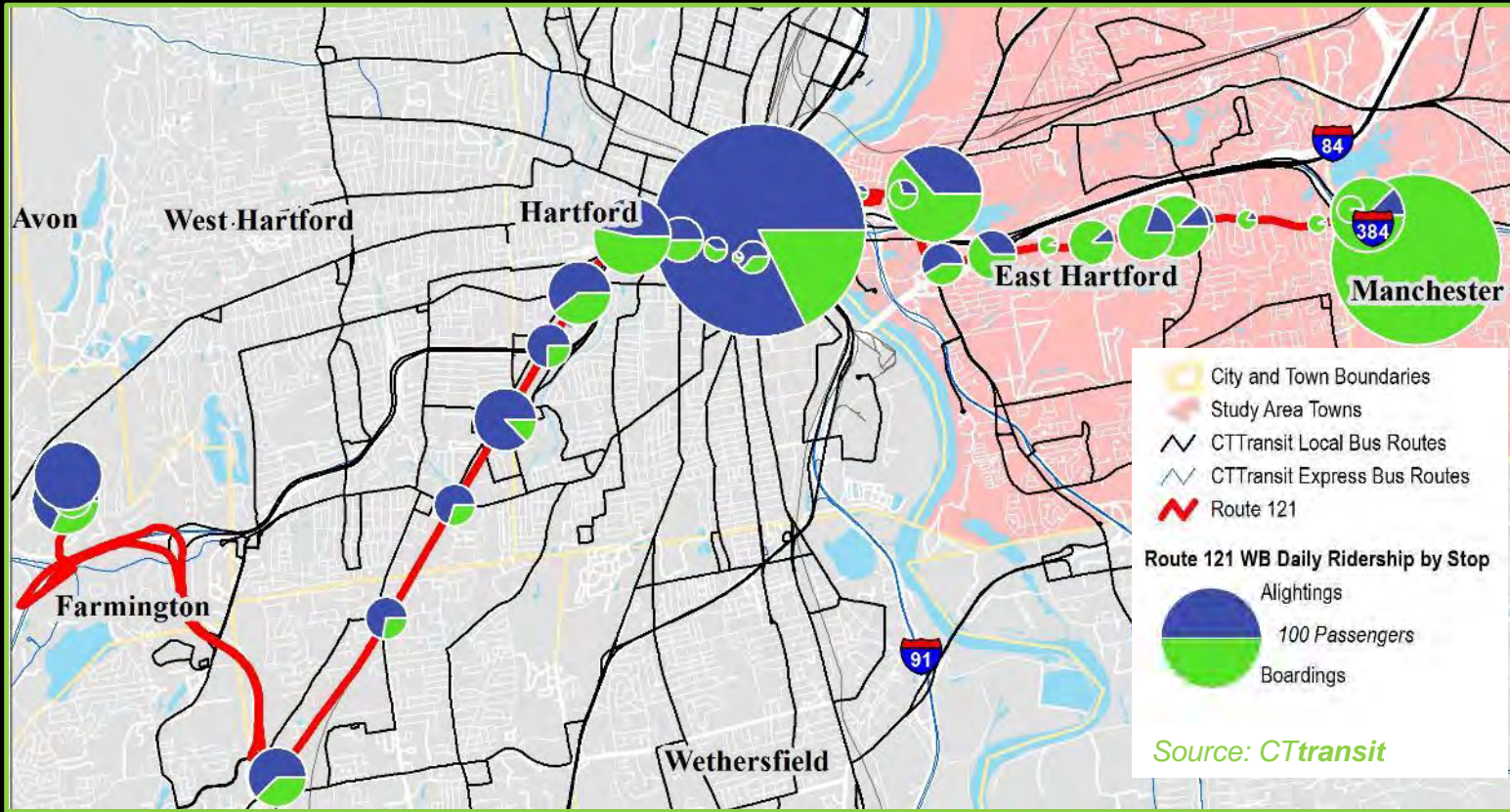


- **CTfastrak** services

- high ridership corridors that can support frequent all-day service
- origins and destinations of regional significance
- fast and direct service for longer-distance trips



CTfastrak Route 121 Westbound Ridership



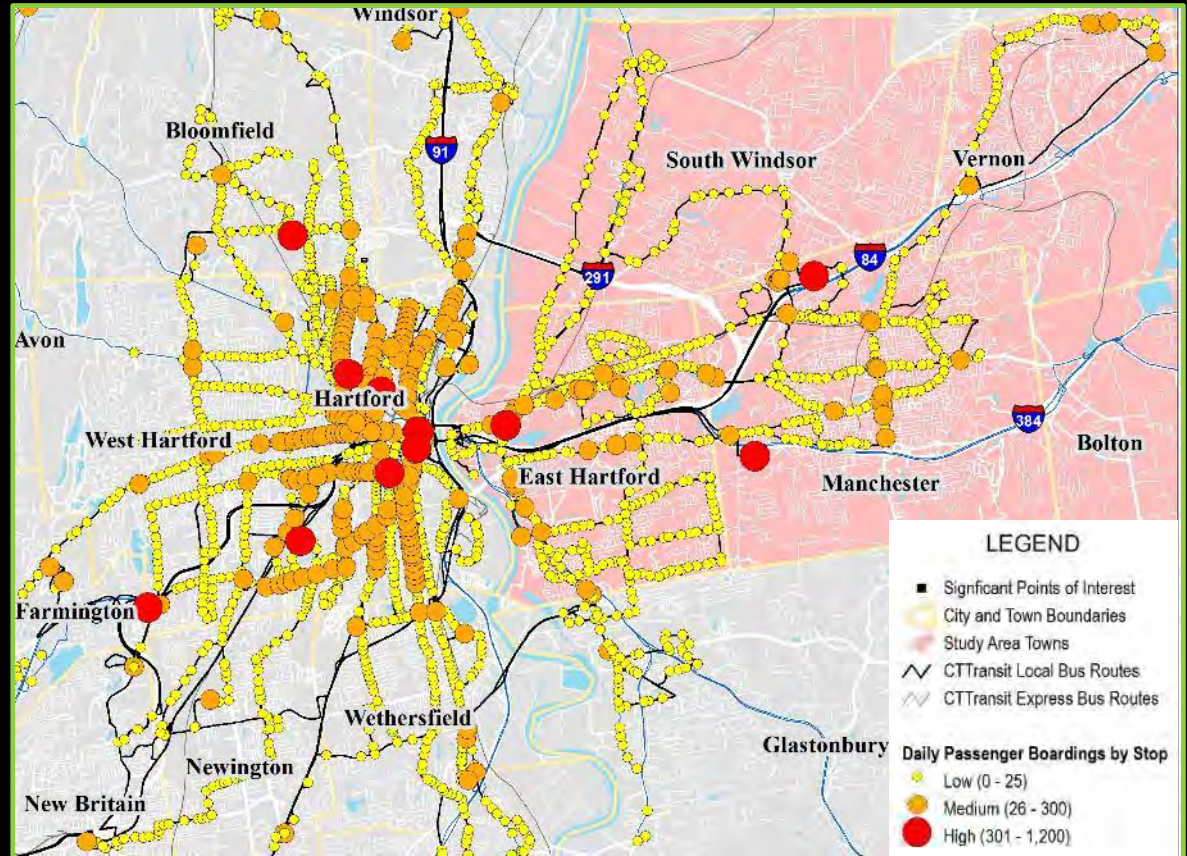
CTfastrak East – Potential Markets

- Existing higher ridership corridors to Hartford
- Major regional destinations
 - Buckland Hills commercial area
 - Educational Institutions (MCC, UConn, Goodwin)
- Existing or new park & ride facilities
- Destinations beyond downtown Hartford
- Destinations east of Manchester



CTtransit Local Bus Ridership

- High ridership stops
 - East Hartford
 - MCC
 - Buckland Hills
- Higher ridership corridors
 - Burnside Avenue
 - Silver Lane
 - Main St. (E. Hartford)
 - Main St. (Manch.)



Source: CRCOG Comprehensive Transit Service Analysis
Note: Data from 2014 (pre-CTfastrak)



Study Area Travel Patterns

- Heavy local travel in east of the river communities
- Manchester (Buckland Hills area) is a major destination
- East Hartford is more oriented to Hartford than are other towns
- Travel west of the river is not limited to Downtown Hartford

Destinations of Trips Originating in East Hartford and Manchester

	East Hartford	Manchester
East Hartford	28%	8%
Manchester	14%	52%
South Windsor	5%	6%
Other East	12%	14%
Downtown Hartford	6%	3%
Other Hartford	13%	5%
Other CTtransit*	16%	8%
Other West	5%	3%

* Bloomfield, Farmington, New Britain, Newington, West Hartford, Wethersfield, Windsor, Windsor Locks

Source: CRCOG regional model 2014 base year, all modes and trip purposes



Buckland Hills Area as a Destination

- Majority of trips (69%) from adjacent east of the river communities
- 12% from west of the river communities served by **CTtransit**



Origins of Trips Destined to Buckland Hills Part of Manchester

East Hartford	10%
Manchester	31%
South Windsor	18%
Vernon	10%
Other CT East	14%
Hartford	4%
Other CTtransit*	8%
Other	5%

* Bloomfield, Farmington, New Britain, Newington, West Hartford, Wethersfield, Windsor, Windsor Locks

Source: CRCOG regional model 2014 base year, all modes and trip purposes



Other Possible Destinations

- West
 - Asylum Hill
 - Capitol Avenue
 - UConn Medical Center
 - Other Hospitals
 - CCSU
- East
 - UConn Storrs Campus



Best Markets for CTfastrak East?

- Existing higher ridership corridor to Hartford
 - Burnside Avenue
- Major regional destinations
 - Buckland Hills Mall
 - UConn
- Existing park & ride locations
 - Buckland Hills
 - Vernon, Rockville, and Tolland



Your Opinions on Markets for *CTfastrak* East



Questions to Discuss

- What other markets are there for CT*fastrak* East?
- Which markets are most important?
- What market should be served first in 2016?



CTfastrak East Next Meetings

- Nov. 20 - Stakeholder Meeting #1
- Dec. 15 - Stakeholder Meeting #2
- Mid-January 2016 – 1st Public Open House
- April - Stakeholder Meeting #3
- May - Stakeholder Meeting #4
- Mid-June – 2nd Public Open House

