

ADDENDUM – City of West Haven

Purpose

The City of West Haven has joined in this RFQ to seek information that the City can use to develop a final RFP for deployment of broadband infrastructure. Our goal is to join with the Cities and Towns along our borders to provide a high speed broadband network.

In the event it is determined that a single vendor cannot provide the capabilities described in this RFQ, the City encourages potential vendors and other interested entities to either respond to the entire scope, or to portions that are particularly relevant to their organization's strength. Any items excluded should be marked as excluded.

This RFQ is for planning purposes only in connection with the development of a regional high speed broadband network.

The Regional Community Broadband Network (RCBN) needs to serve as an accessible connection for education facilities, homes, and businesses in our City and those around us.

Many of the broadband statistics for the State and region have already been talked about in great detail in the other addendums in this RFQ. West Haven is no different with the exception of the information below.

Why West Haven?

Here is why you want to build a gigabit network in West Haven:

West Haven is 10.6 square miles of land with 55,386 residents which gives you 5,225.09 residents per square mile. This is the 5th highest density in the State. The average in the State is 741.4 residents per sq. mile. This density will enable a better return of investment. To further illustrate this density, there are 9,446 apartment units across 2,051 multifamily and apartment properties making fiber to curb a much less costly endeavor.

There are two college campuses located in our City. We have the University of New Haven as well as Yale's entire West Campus. Many of the graduate students live in West Haven due to the low cost and plentiful rental properties. These off site locations often rely on the student to provide internet service.

Our Goals

The City of West Haven wants to ensure that every resident has equal access to basic broadband at a high speed.

- Ensure that the City is served by an open network, (Net Neutral) to prevent citizens from being blocked or bandwidth throttled from resources available on the internet;
- Create a gigabit network in targeted commercial and industrial corridors to serve businesses that currently struggle with having adequate bandwidth to meet their

business and manufacturing needs, to drive job creation, and stimulate economic growth;

- Ensure that areas of the City that are currently underserved are equally served;
- Ensure that every West Haven resident can enjoy the benefits of broadband, regardless of income or the area in which they reside; and
- Establish wireless networks in parks and public spaces in the city.

Municipal Assets

The City of West Haven owns 100+ properties spread out in the City. Many of these locations can be used as hubs or colocation sites.

There are 826 commercial properties. They range from manufacturing to retail.

There are currently 115 brownfield properties that can be renovated for use by this project, providing a valuable reuse for both the City and the project.

Ownership of the utility poles are roughly 50/50 Frontier/United Illuminating however with the upcoming single pole administrator, ownership should not be an issue.

Municipal gain use is very light and only being used in a few locations for traffic signals. Use of our municipal gain is encouraged by the bidder and over lashing in those locations is possible.

West Haven has roughly 128 miles of municipal roadways. Most are wide enough to not need a full road closure for installation of the primary fiber.

For ease of shipping of fiber, strand, and lashing, we are located off of Interstate 95 and within a few miles of Interstate 91. We have one trucking load transfer station on Frontage Road.

Background Information

The City of West Haven has its own IT department that has navigated the waters of a dark fiber installation as well as a leased fiber installation. Our building, permitting and police departments will be instructed to give this a priority over any other project. Both the IT Director of West Haven and the CIO of Manchester (another appendix attached to this RFQ) alongside others worked on the Single Pole Administration when it was first introduced in Connecticut and understands the process and can assist in that hurdle.

Included documents

CERC Town Profile 2014

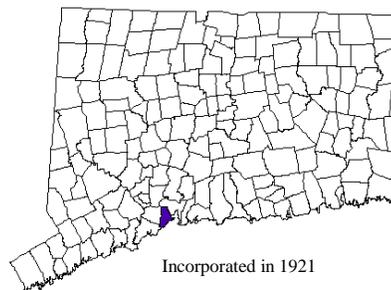
City of West Haven Road map

West Haven, Connecticut

CERC Town Profile 2014

Town Hall
355 Main Street
West Haven, CT 06516
(203) 937-3510

Belongs to
New Haven County
LMA New Haven
South Central Economic Dev. Region
South Central Connecticut Planning Area



Incorporated in 1921

Demographics

Population (2012)	Town	County	State	Race/Ethnicity (2012)	Town	County	State
2000	52,360	824,008	3,405,565	White	38,712	649,827	2,802,217
2010	55,070	856,688	3,545,837	Black	10,921	107,283	355,660
2012	55,386	860,995	3,572,213	Asian Pacific	2,153	31,159	139,827
2020	56,736	898,727	3,690,997	Native American	175	2,188	8,531
'12-'20 Growth / Yr	0.3%	0.5%	0.4%	Other/Multi-Race	3,425	70,538	265,978
				Hispanic (any race)	9,000	129,612	480,185
Land Area (sq. miles)	11	606	4,845	Poverty Rate (2012)	11.7%	12.0%	10.0%
Pop./ Sq. Mile (2012)	5,109	1,421	737	Educational Attainment (2012)			
Median Age (2012)	38	39	40	Persons Age 25 or Older	Town	%	State
Households (2012)	21,878	329,956	1,360,184	High School Graduate	14,062	37%	677,253 28%
Med HH Inc. (2012)	\$51,911	\$62,234	\$69,519	Associates Degree	2,749	7%	177,531 7%
				Bachelors or Higher	8,031	21%	879,089 36%
Age Distribution (2012)							
	0-4	5-17	18-24	25-49	50-64	65+	Total
Male	1,399 3%	4,614 8%	3,070 6%	9,172 17%	5,009 9%	2,992 5%	26,256
Female	1,800 3%	3,655 7%	3,342 6%	10,116 18%	5,994 11%	4,223 8%	29,130
County Total	48,174 6%	143,450 17%	85,465 10%	288,194 33%	171,135 20%	124,577 14%	860,995
State Total	200,031 6%	612,181 17%	328,661 9%	1,194,793 33%	726,725 20%	509,822 14%	3,572,213

Economics

Business Profile (2013)	Units	Employment	Top Five Grand List (2011)	Amount	% of Net
Sector			Walmart		NA
Total - All Industries	917	14,849	Meadow Landing Condominiums		NA
23 Construction	76	500	Stop & Shop Supermarket		NA
31 Manufacturing	48	1,027	Savin Avenue Apartments		NA
44 Retail Trade	119	1,407	United Illuminating		NA
62 Health Care and Social Assistance	74	1,380	Net Grand List (2011)		NA
Total Government	20	4,249	Major Employers (2014)		
Federal Government	4	2,561	Va Medical Ctr-West Haven		University of New Haven
Local/Municipal Government	15	1,674	Bayer Healthcare Phrmctcls		Elm City Livery Inc
			Veterans Affairs Connecticut		

Education

2010-2011 School Year	Town	State	Connecticut Mastery Test Percent Above Goal							
			Grade 4		Grade 6		Grade 8			
			Town	State	Town	State	Town	State		
Total Town School Enrollment	7,419	548,313								
Most public school students in West Haven attend West Haven School District, which has 6,194 students.			Reading	55 63	65 76	60 75				
			Math	51 67	51 72	47 67				
			Writing	59 67	56 65	48 65				
			Average SAT Score							
			Average Class Size			Town			State	
For more education data see:	Students per Computer	Town	State	Grade K	Grade 2	Grade 7	Math	Reading	Writing	
http://sdeportal.ct.gov/Cedar/WEB/ResearchandReports/SSPREports.aspx	Elementary:	5.1	4.1	19.5	20.7	25.1	457	459	502	
	Middle:	5.4	2.7	Grade 5	Grade 7		456	506		
	Secondary:	4.6	2.9	High School	20.5					

West Haven Connecticut



Government

Government Form: Mayor-Council

Total Revenue (2012)	\$150,479,200
Tax Revenue	\$88,103,965
Non-tax Revenue	\$62,375,235
Intergovernmental	\$58,881,010
Per Capita Tax (2012)	\$1,591
As % of State Average	61.6%

Total Expenditures (2012)	\$152,755,066
Education	\$89,048,477
Other	\$63,706,589
Total Indebtness (2012)	\$132,379,860
As % of Expenditures	86.7%
Per Capita	\$2,390
As % of State Average	105.9%

Annual Debt Service (2012)	\$18,682,064
As % of Expenditures	12.2%
Eq. Net Grand List (2010)	\$4,014,297,653
Per Capita	\$72,479
As % of State Average	50%
Moody's Bond Rating (2012)	Baa1
Actual Mill Rate (2012)	31.25
Equalized Mill Rate (2012)	21.91
% of Grand List Com/Ind (2010)	12.5%

Housing/Real Estate

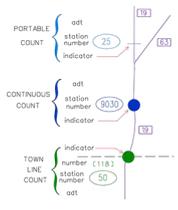
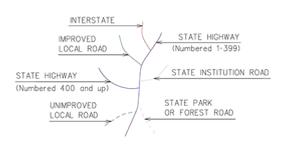
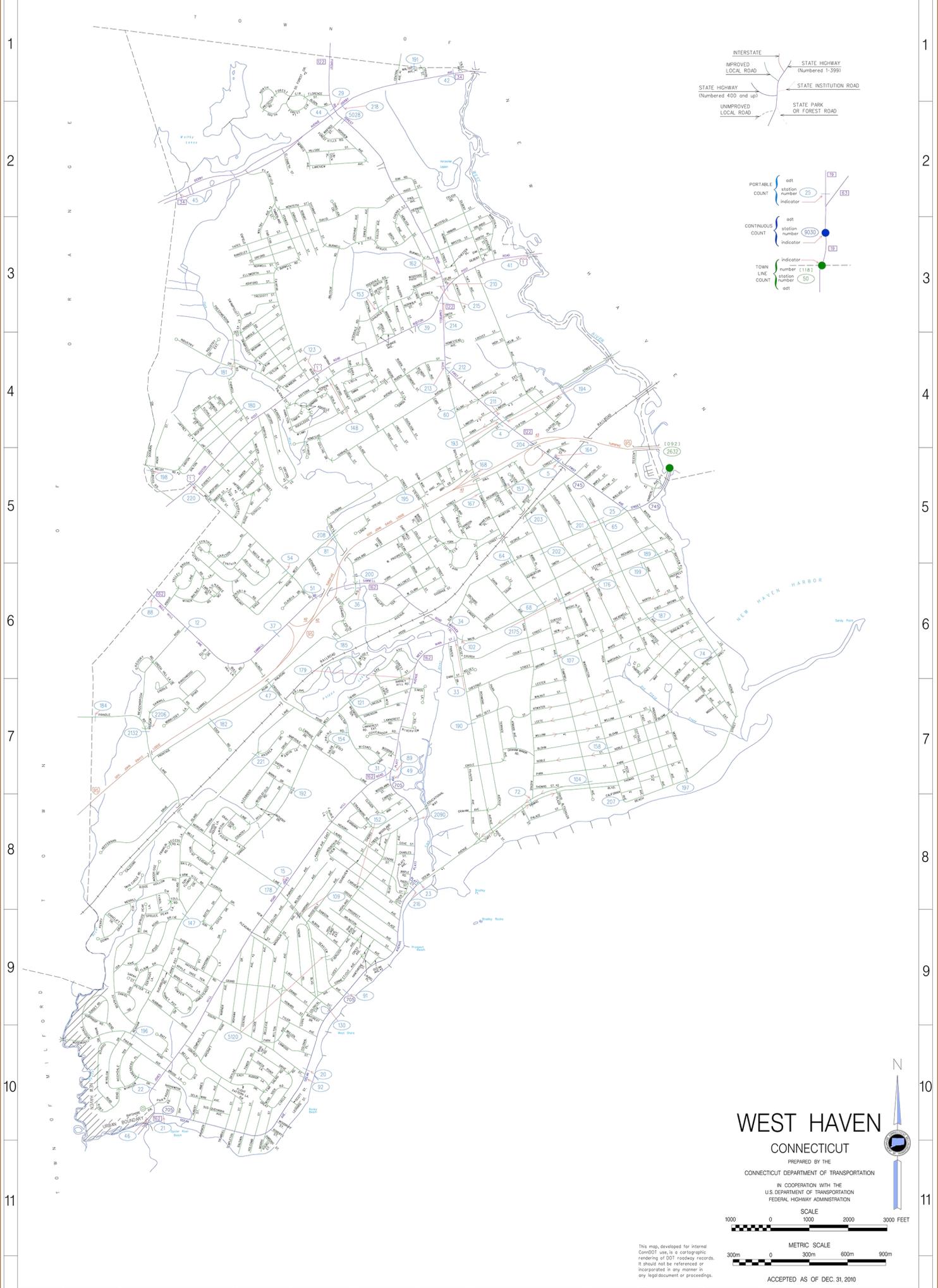
Housing Stock (2012)	Town	County	State	Owner Occupied Dwellings (2012)	12,184	211,821	929,560
Total Units	23,815	361,393	1,485,445	As % Total Dwellings	51%	59%	63%
% Single Unit	50.6%	59.0%	64.6%	Subsidized Housing (2012)	2,942	44,028	161,379
New Permits Auth. (2012)	4	669	4,669	<i>Distribution of House Sales (2011)</i>			
As % Existing Units	0.02%	0.19%	0.31%	Number of Sales			
Demolitions (2012)	11	236	955	Less than \$100,000	1	155	392
House Sales (2011)	190	2,936	13,847	\$100,000-\$199,999	122	977	3,205
Median Price	\$185,000	\$230,000	\$291,000	\$200,000-\$299,999	61	857	3,494
Built Pre 1950 share (2012)	36.1%	33.7%	30.2%	\$300,000-\$399,999	2	426	2,086
				\$400,000 or More	4	521	4,670

Labor Force

Place of Residence (2013)	Town	County	State	<i>Connecticut Commuters (2011)</i>		
Labor Force	30,725	444,016	1,859,934	Commuters into Town from:		
Employed	28,017	405,962	1,715,398	West Haven	3,910	Town Residents Commuting to:
Unemployed	2,708	38,054	144,536	New Haven	1,796	New Haven
Unemployment Rate	8.8%	8.6%	7.8%	Hamden	791	West Haven
				Milford	770	Milford
				Milford	770	Bridgeport
				East Haven	482	Stratford
				Orange	372	North Haven
				Bridgeport	370	Hamden
				Branford	355	Orange
				Wallingford	306	Stamford

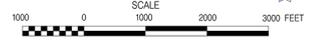
Other Information

Crime Rate (2012)	Town	State	Distance to Major Cities	Miles	Residential Utilities
Per 100,000 Residents	3,199	2,433	Hartford	37	Electric Provider
			Boston	124	The United Illuminating Co.
			New York City	66	(800) 257-0141
			Providence	88	Gas Provider
					Southern Connecticut Gas Company
					(203) 382-8111
					Water Provider
					South Central CT Regional Water Auth.
					(203) 562-4020
					Cable Provider
					Comcast New Haven
					(800) 266-2278



WEST HAVEN CONNECTICUT

PREPARED BY THE
CONNECTICUT DEPARTMENT OF TRANSPORTATION
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION



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ACCEPTED AS OF DEC. 31, 2010