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New Haven - North Branford - North Haven - Orange - Wallingford - West Haven – Woodbridge

SOUTH CENTRAL REGIONAL COUNCIL OF GOVERNMENTS

Judy Gott, Executive Director

Date: May 13, 2009

Subject: Application for Transit Enhancement Project to use the Balance of SAFTEA-LU Funding

SAFETEA-LU stipulates that the designated recipient for the New Haven-Meriden Urbanized Area must certify to FTA that they have used 1% of the region’s Section 5307 allocation for Transit Enhancement projects. The Greater New Haven Transit District as the region’s designated recipient manages this program. In 2008 we obligated \$523,750 in project funding and we have a balance of approximately **\$156,000** in Transit Enhancement funding available this go round.

At the beginning of March 2009 we put out a request for projects. We were looking for small projects that could be started before the end of the Federal Fiscal Year. Completed applications were submitted throughout the month and these been reviewed by both GNHTD and SCRCOG staff. Two projects were submitted. The combined cost of these projects is approximately \$194,000 the federal amount is \$156,000.

Projects Obligated in 2008

Municipality	Project Title	Cost	Federal
Meriden	Bus Shelter @ Research & Murdock	\$ 18,350	\$ 14,680
New Haven	Union Station Bicycle Interconnect	\$145,000	\$130,500
	Ramsdell/Fountain Bus Stop & Pedestrian Improvements	\$213,212	\$170,570
Wallingford	Bus Shelter @ Burke Heights	\$ 10,000	\$ 8,000
West Haven	TOD Streetscape Project	\$250,000	\$200,000
		\$637,000	\$523,750

Proposed Projects in 2009

Municipality	Project Title	Cost	Federal
New Haven	Bus Shelter Enhancement @ New Haven Green	\$110,300	\$ 88,240
West Haven	Bus Shelter Improvements@ 4 Locations	\$ 84,700	\$ 67,760
		\$194,000	\$156,000

New Haven Bus Shelter Enhancement @ New Haven Green **Page 16**

New Haven has proposed a project to replace the first of 4 deteriorated bus shelters on the New Haven Green. This \$120,000 (\$88,000 Federal and \$32,000 Local) investment in bus shelter enhancements is intended to modernize and encourage increased use of Mass Transit. The application is attached

West Haven Bus Shelter Improvements@ 4 Locations **Page 25**

West Haven has proposed a project to replace 4 bus shelters in the City’s Downtown. It is estimated that the entire project will cost \$84,700 of which \$67,760 in Federal dollars will be funded with Transit Enhancement Funds. The application is attached

Transit Enhancement Program, New Haven Green, Downtown New Haven

Project Contact

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New Haven, CT
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1. Municipality:

City of New Haven, CT

2. Project Title:

Transit Enhancement Program, New Haven Green Bus Shelter, Downtown New Haven

3. Project Location:

(See Attachment A: Bus Shelter A is the subject of this application)

4. Written Description and Justification of Proposed Project:

The City of New Haven is seeking to replace the first of four deteriorated bus shelters on the New Haven Green. This \$120,000 (\$88,000 federal and \$32,000 local) investment in bus shelter enhancements is intended to modernize the antiquated shelters and to encourage mass transit usage in the most densely used areas.

The City of New Haven maintains three different styles of bus shelters. For the New Haven Green, the latest design features heating systems and green roofs as featured in the award-winning design of David Thompson Architects. Unfortunately, this shelter cost over \$220,000 to construct and is beyond the current program budget.

For this application and in future rounds, the City proposes to replace the remaining deteriorated bus shelters with a lower cost variant of the "Thompson" shelter. This new shelter will be designed to be similar in look and appearance to the Thompson shelter but without heating systems, or other high cost custom items.

The project plan is phased as follows:

- First, the City proposes to upgrade the bus shelter on Temple Street and Chapel Street ("A") in Fiscal Year 2009-10 at a projected total project cost of \$120,000.
- Second, the City proposes to replace the three other deteriorating bus shelters surrounding the New Haven Green in the same fashion in the subsequent fiscal years.

Current State of Certain Bus Shelters on the New Haven Green



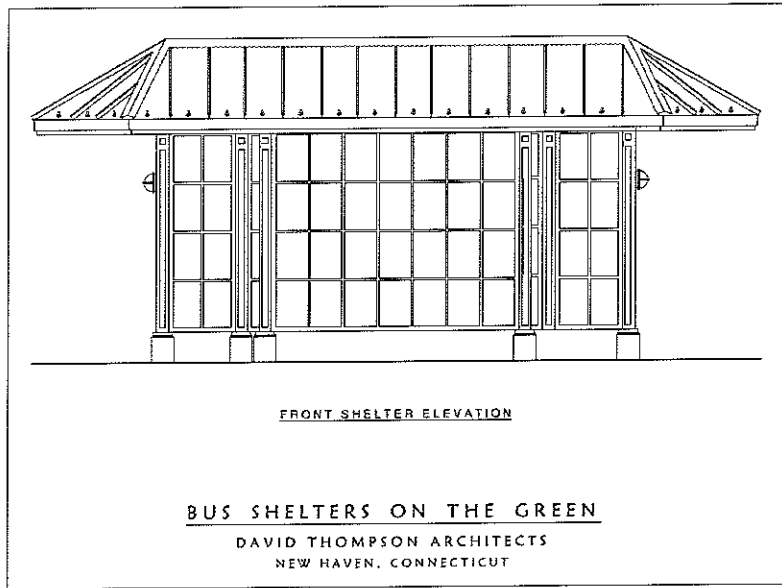
Currently, 4 of the 8 bus shelters are in a deteriorated condition and detract from the historic New Haven Green. Shelter framework is often rusted and eroding. Many glass panels are shattered. The window panes are damaged and worn from years of use.

In a time of increased dependency on fuel, the maintenance of mass transit facilities are essential to promoting sustainable transportation alternatives. Bus systems are environmentally friendly in that they reduce congestion. The enhanced bus shelters will encourage citizens to utilize the bus system by providing protection from weather elements in an appealing and modern structure.

The New Haven Green Bus Shelters are central to the strength of the CT Transit system in that passenger density is highest on New Haven Division routes surrounding the Green. Transfer patterns were assessed by obtaining raw data from CT Transit during a one week period in October, 2007. Of the 33,000 transfer slips used in the New Haven District, approximately 10,000 of those transfers were serviced in downtown New Haven. Clearly, the Temple Street Bus Shelter, adjacent to the New Haven Green, is indispensable to the functionality of the CT Transit System and its appearance should match it.

5. Preliminary Project Plans:

(See Attachment B: Thompson Shelter Plans and sample below)



6. Cost Estimates and Proposed Schedule:

The estimated cost for Bus Shelter A is approximately \$120,000 (See Attachment C: Cost Estimates)

Shelter	Fiscal Year	Item	Cost
A	2009-10	Temple & Chapel	\$120,000
B	TBD	Temple & Chapel	\$120,000
C		Chapel & Church	\$120,000
D		College & Chapel	\$120,000

7. Commitment of Non-Federal Funding Match

(See Attachment D: City of New Haven Budget FY 2009-10)

Shelter A: FY 2009-10

Federal	\$88,000
Local	\$32,000

8. General Information:

(n / a)

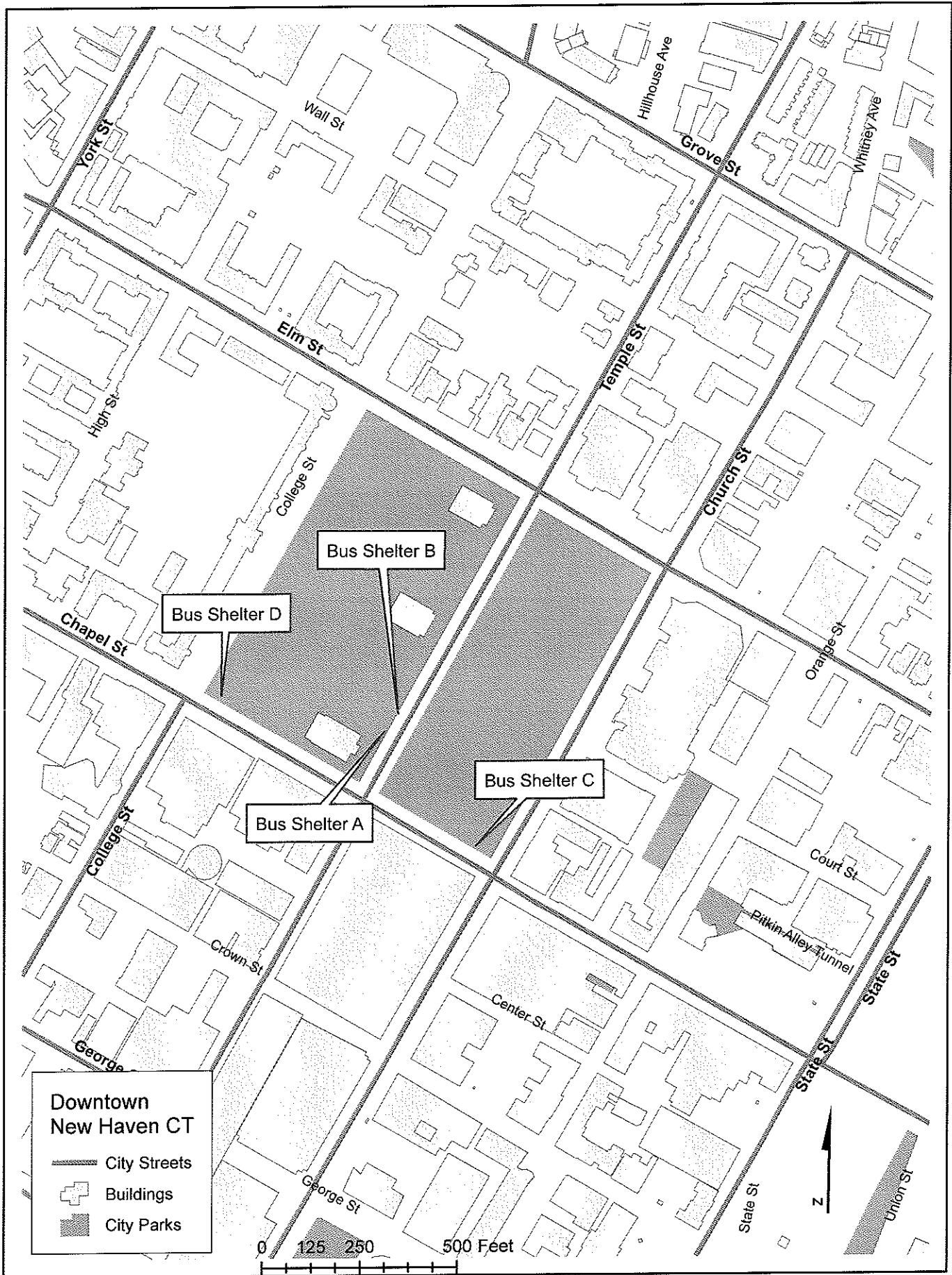
9. Project Eligibility

- (b) Bus shelter

10. Contact

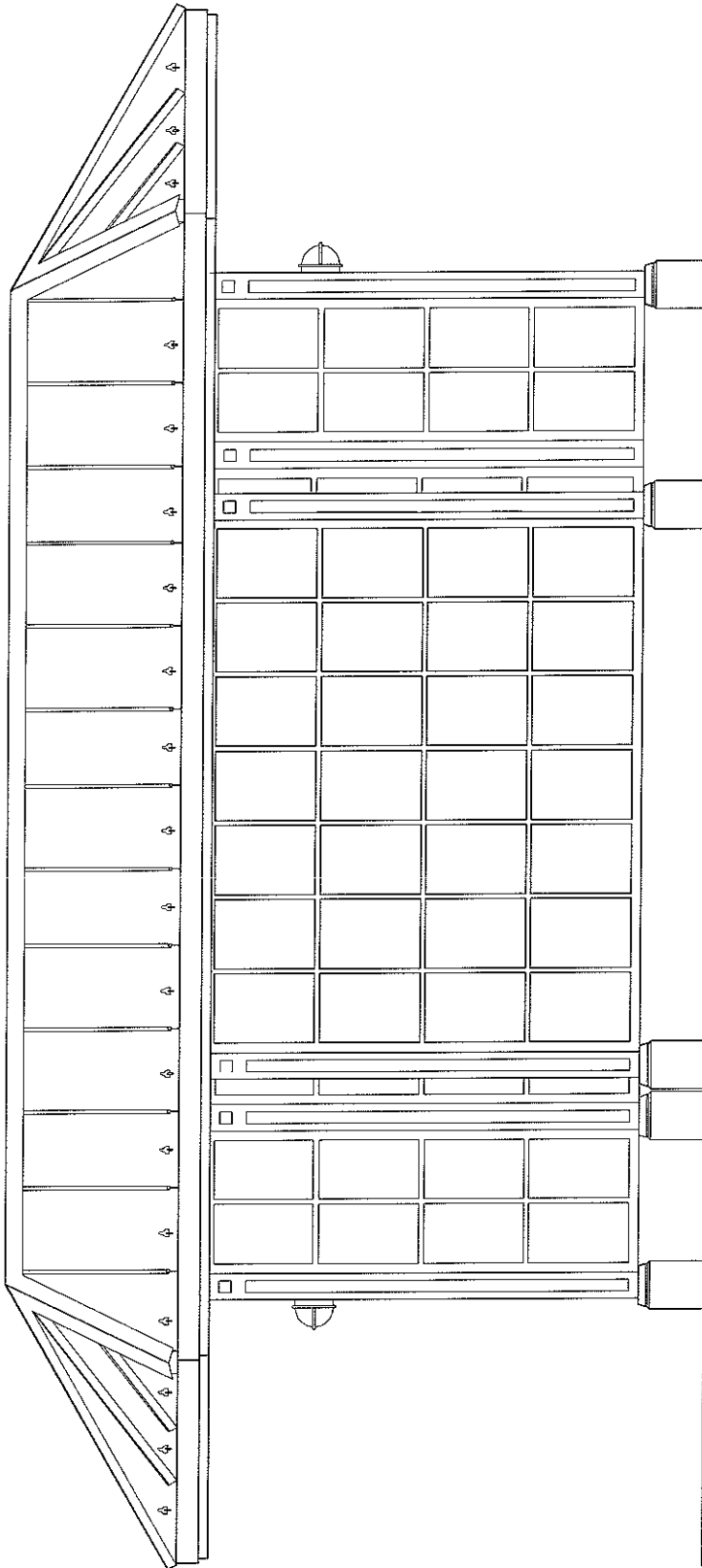
See Page 1

Bus Shelter Enhancement Program: Attachment A



Location A: Thompson "Lower Cost Variant" option New Haven Transit Enhancement Project		
April 24, 2009		
General Conditions and General Requirements	Original 2007 Design	This Application / Location A
General Conditions	\$ 13,650.00	
<i>Reduce proportionately</i>		\$ 8,000.00
Supervision and Project Management	\$ 7,650.00	
<i>Reduce proportionately</i>		\$ 4,000.00
Close-Out	\$ 1,000.00	
<i>No money to be saved here</i>		\$ 1,000.00
Trade Costs		
Demo and Sitework	\$ 15,000.00	
<i>No scope to change in this number, except reduce area of excavation for concrete</i>		\$ 10,000.00
Concrete and Excavation	\$ 19,000.00	
<i>Try a different approach with pier foundations</i>		\$ 13,000.00
Walks	\$ 7,000.00	
<i>Exclude any work on sidewalks beyond that required to accommodate shelters</i>		\$ -
Masonry	\$ 6,000.00	
<i>Use painted aluminum skirt instead of bluestone base</i>		\$ 3,000.00
Metals	\$ 65,000.00	
<i>There are few options to consider in the configuration or sizing of the steel frame</i>		\$ 40,000.00
Carpentry	\$ 12,000.00	
<i>Use cedar or painted hardboard in place of Ipe: less durable but less expensive</i>		\$ 5,000.00
Roof	\$ 19,000.00	
<i>Few durable options less expensive than standing seam metal roof: look for cheaper, thinner gage product</i>		\$ 15,000.00
Glass	\$ 40,000.00	
<i>Attempt to find narrow mullion aluminum glazing system; won't match existing, but might be acceptable</i>		\$ 20,000.00
Specialties (Benches)	\$ 1,000.00	
<i>No money to be saved here</i>		\$ 1,000.00
Electrical	\$ 16,200.00	
<i>No heat, and no related service changes; provide only lighting from existing circuits</i>		\$ -
Total	\$ 222,500.00	\$ 120,000.00

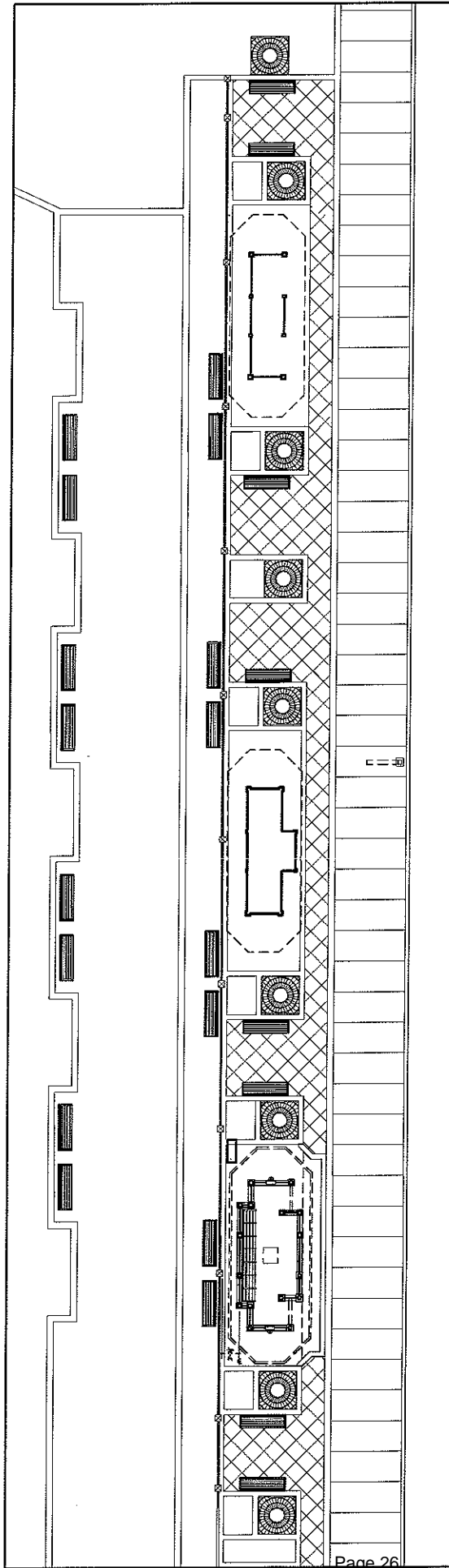
Note: The figures stated in Column B under "2007 Project" are derived from Paragon Construction's schedule of values for the shelter at Temple and Elm. These figures are likely lower than what the cost would be for a stand alone shelter not completed in a bundle with several other shelters. The figures stated in Column C under "Future Project" are ambitious target numbers that may not be achievable, and naturally assume a lower quality standard and no provision of heat or related controls.



FRONT SHELTER ELEVATION

BUS SHELTERS ON THE GREEN

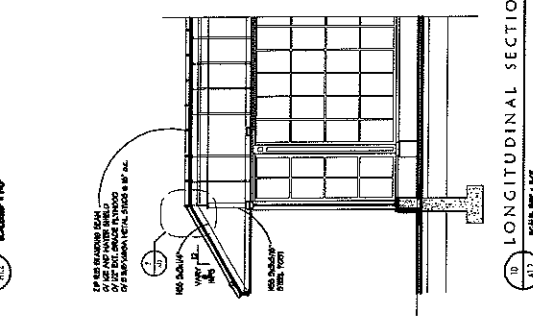
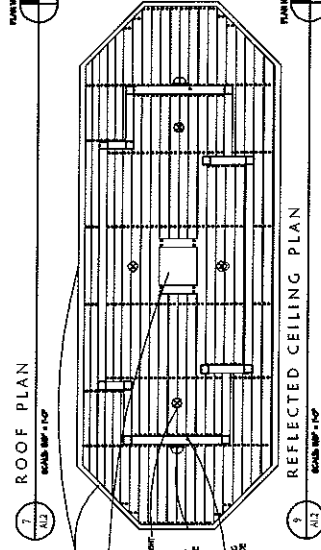
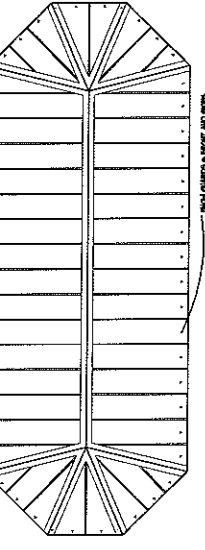
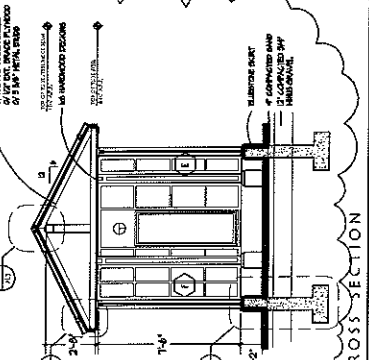
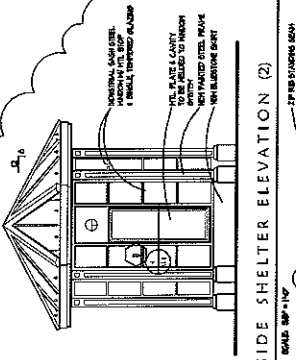
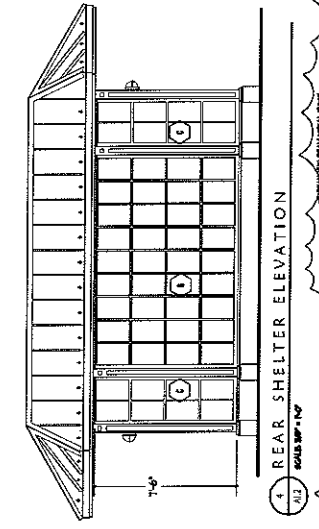
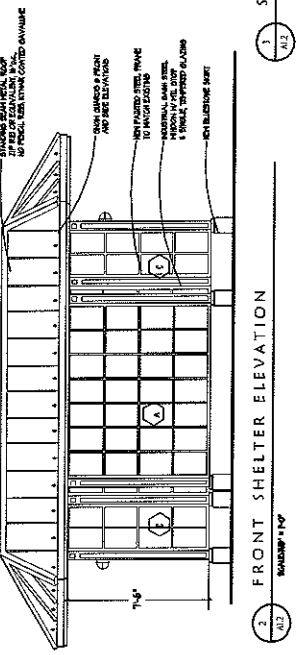
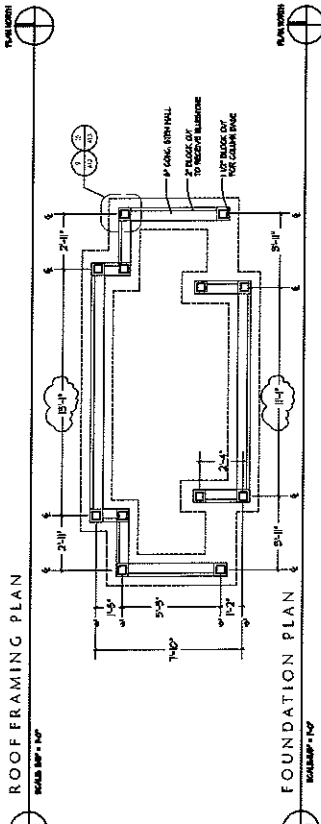
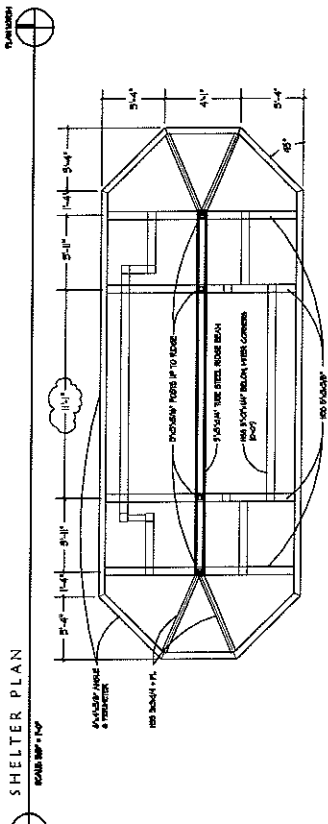
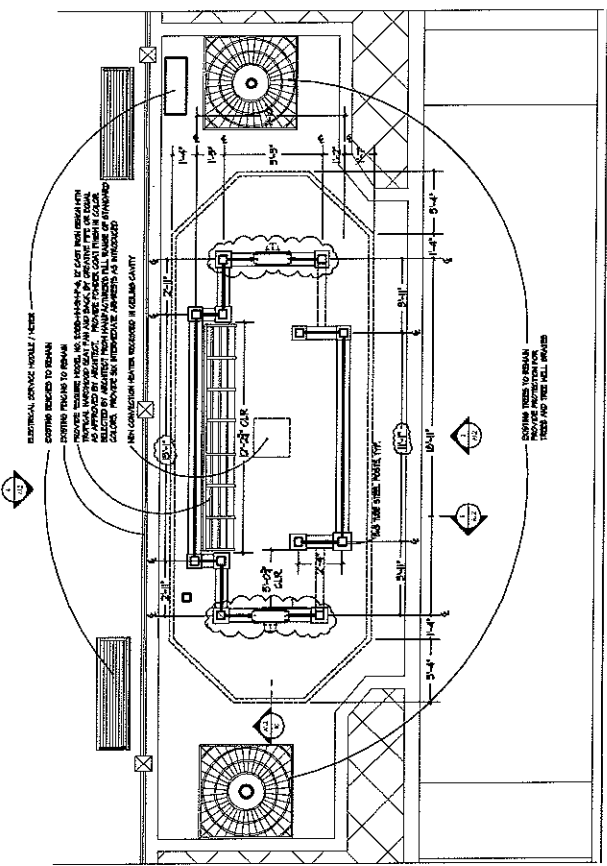
DAVID THOMPSON ARCHITECTS
NEW HAVEN, CONNECTICUT



PROPOSED SITE PLAN

BUS SHELTERS ON THE GREEN
DAVID THOMPSON ARCHITECTS
NEW HAVEN, CONNECTICUT

Draft 05/04/2009



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Consultant Transit - Greater New Haven Transit District
BUS SHELTER
 IMPROVEMENT PROJECT
 New Haven, Connecticut

Drawing No.
A1.2
 CHAPEL STREET
 AT LOWER GREEN
 SHELTER PLANS
 AND ELEVATIONS
 Scale: 3/8" = 1'-0"

Draft 05/04/2009

1
A1

EXISTING SITE PLAN / SITE DEMOLITION PLAN

SCALE: 3/16" = 1'-0"



PLAN NORTH

Page 28

2
A1

PROPOSED SITE PLAN

SCALE: 3/16" = 1'-0"



PLAN NORTH

REMOVE PROTECTION FOR THE
HILL AND THE BRIDGE, SEE A-1.1

REMOVE EXISTING FENCE AND BRIDGE
PROTECTIVE AND TRAFFIC CONTROL
DEVICES AND RELOCATE TO THE
ADJACENT SIDEWALK

REMOVE ALL UTILITIES TO BE DEMOLISHED

REMOVE EXISTING CURB AND
SIDEWALK, RELOCATE TO THE
ADJACENT SIDEWALK

REMOVE EXISTING DRIVEWAY
AND RELOCATE TO THE
ADJACENT SIDEWALK

REMOVE EXISTING DRIVEWAY
AND RELOCATE TO THE
ADJACENT SIDEWALK

REMOVE EXISTING DRIVEWAY TO REMAIN

REMOVE EXISTING DRIVEWAY TO REMAIN

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Connecticut Transit - Greater New Haven Transit District
**BUS SHELTER
IMPROVEMENT PROJECT**
New Haven, Connecticut

Project No:
**CHAPEL STREET
AT LOWER GREEN
EXISTING AND PROPOSED
SITE PLANS**
Scale: 3/16" = 1'-0"

A1.1

FTA Transit Enhancement Program Application



- 1. **Municipality:** City of West Haven
- 2. **Project Title:** West Haven Bus Shelter Improvements Project
- 3. **Project Location:** See attached map

The City of West Haven will be replacing four bus shelters as well as installing and replacing benches and trash receptacles at the following locations:

- Northwest corner of Main Street and Campbell Avenue
- Northeast corner of Main Street and Campbell Avenue
- Southeast corner of Main Street and Campbell Avenue
- Northeast corner of Savin Avenue and Captain Thomas Boulevard

The City of West Haven will be installing a new bus shelter as well as installing and replacing benches and trash receptacles at the following location:

- Southwest corner of Captain Thomas Boulevard and Oak Street

4. Written Description and Justification of Proposed Project:

Connecticut Transit provides public bus service in the City of West Haven. There are ten routes that service the City and connect West Haven to the bus system serving the Greater New Haven area as well as to the Coast Link to communities in Fairfield County.

Three of the shelters the City is planning to replace are in the heart of the City's downtown, at the corners of Main Street and Campbell Avenue, across from City Hall. This intersection is part of a large streetscape and pavement improvement project that will span Campbell Avenue from Captain Thomas Boulevard to Boston Post Road (US Route 1). The streetscape portion of the project will include road and sidewalk improvements, the installations of benches and trash receptacles, and tree planting aimed at creating a pedestrian friendly as well as esthetically pleasing travel route through the City's downtown. The current bus shelters are in poor condition and up-keep on the structures is a costly and difficult process. Their deterioration has created an esthetically unpleasing structure that does little to support the revitalization efforts of the City's downtown. Additionally, two of the three shelters will not fit a wheelchair beneath the shelter because of the length of the bench.

Bus stops along Captain Thomas Boulevard provide access to West Haven's greatest asset – the shoreline. The two bus stops along Captain Thomas Boulevard that the City is seeking shelter funding for are prime drop-off points along the Connecticut Transit routes for access to the West Haven shorefront and events organized along the shoreline. The shelter at the Northeast corner of Savin Avenue and Captain Thomas Boulevard is one of few shelters long this important roadway. Currently, the shelter is a wooden structure on a raised platform. The shelter is not handicap accessible and the raised platform makes it impossible for those in a wheelchair to take cover under the shelter. The structure is weather worn, with portions of the wood beginning to rot and splinter. Currently, at the Southwest corner of Captain Thomas Boulevard and Oak Street there is a bent for bus riders to sit at while waiting, but there is no shelter. The installation of a new bus shelter at this location will allow for bus riders to receive some protection from the environmental elements while waiting for the bus along this busy route.

5. Preliminary Project plans: - See attached concept plan on page 3

6. Cost Estimates and Proposed Schedule:

BUDGET		
Locations	Replacement/New Installation	Cost
Northeast corner of Main Street and Campbell Ave.	Replacement	\$15,000
Southeast corner of Main Street and Campbell Ave.	Replacement	\$15,000
Southwest corner of Main Street and Campbell Ave.	Replacement	\$15,000
Savin Avenue and Captain Thomas Boulevard	Replacement	\$12,000
Oak Street and Captain Thomas Boulevard	New Installation	\$12,000
5 benches	4 replacement & 1 new installation @ \$900/ bench	\$45,000
5 trash receptacles	5 new installations @ \$700/ receptacle	\$35,000
Administration Fee	10% of total costs	\$7,700
Total		\$84,700
FTA Funds		\$67,760
Local Match		\$16,940

Upon receipt of funding, the City will begin work immediately on this project. The City can anticipate starting the project before the end of the federal fiscal year and all portions of the project will be completed within three years of funding obligation.

7. Commitment of Non-Federal Funding Match – See attached letter

8. General Information – See pages 4-6

9. Project Eligibility for FTA Funding

b. Bus Shelters

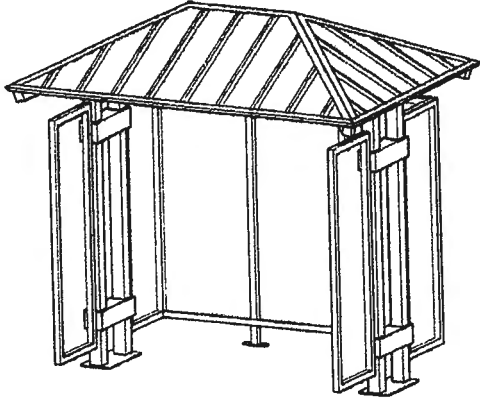
c. Landscaping and other scenic Beautification, including tables, benches, trash receptacles and street lights.

10. Project Contact

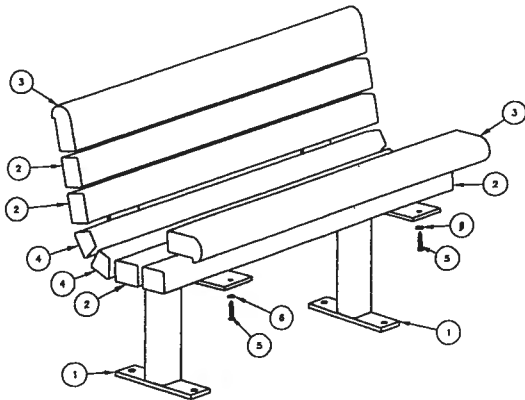
Name: Beth Sabo Title: Public Works Commissioner
 Address: 355 Main Street West Haven, CT 06516
 Phone number: 203-937-3588 Fax number: 203-937-3581
 Email: beth_sabo@cityofwesthaven.com

Preliminary Project Plans Concept Plan

The City will be installing a hipped roof shelter that measures 9 feet wide and 4 feet deep, featuring banded dual columns, windscreens and 24 gauge painted Galvalume roof panels with trim. Instead of Plexiglas, the shelter will have galvanized steel screening.



The benches will be 4 feet long and placed in a manner that will allow room for a wheelchair to fit under the shelter. They will be made of recycled plastic with a metal frame.



STEP 1:
 USE 3 - PC. SUPPORT FOR SURFACE MOUNT (1)
 4 - PCS. 3" X 4" X 47" PLASTIC INT'R SLAT (2)
 2 - PCS. 47" PLASTIC EDGE SLAT (3)
 2 - PCS. 47" PLASTIC TRAP SLAT (4)
 24 - PCS. 3/8" X 2" SS. BTN. SKT. HD. LAG SCR. (5)
 24 - PCS. 3/8" SS. FLAT WASHER (6)
ATTACH SLATS (2, 3, & 4) TO SUPPORT FOR SURFACE MOUNT (1) USING HARDWARE (5 & 6). TIGHTEN TO SNUG FIT. REPEAT UNTIL ALL SLATS ARE ATTACHED.


STEP 2:
 UPON COMPLETION OF BENCH ASSEMBLY SQUARE ALL COMPONENTS THEN TIGHTEN ALL HARDWARE.

STEP 3:
 ANCHOR ACCORDING TO SUPPORT OPTION USED.

NOTE:

- 1.) DURING ASSEMBLY PROCEDURE, DO NOT COMPLETELY TIGHTEN HARDWARE.
- 2.) THE ACTUAL PARTS WILL NOT BE NUMBERED; NUMBERS ONLY APPLY TO DRAWING.
- 3.) SEE SPEC. SHEET 1 FOR MOUNTING OPTION.

ITEM	QTY	PART NO	DESCRIPTION
1	2	8-88-02-01/2-2	BENCH SUPPORT FOR SURFACE MOUNT
2	4	8-88-40PL-02	2" X 4" X 47" PLASTIC SLAT
3	2	8-88-40PL-03	47" PLASTIC EDGE SLAT
4	2	8-88-40PL-04	47" PLASTIC TRAP SLAT
5	18	1-12-018	3/8" X 2" SS. BTN. SKT. HD. LAG SCR.
6	18	1-22-024	3/8" SS. FLAT WASHER

 DuMor, inc. P.O. Box 142 Mifflintown, PA 17059-0142	SCALE : NONE	TITLE : BENCH	
	DATE DRAWN : 1/22/09	REV.	DRAWING NUMBER
	DRAWN BY : JES	B	88-40PL
	DATE REV. : 5/1/09	REV. BY : AMH	SHEET 2 OF 2

The slated metal trash receptacles will be located outside each shelter.

