



CITY OF DANBURY

155 DEER HILL AVENUE
DANBURY, CONNECTICUT 06810

ENGINEERING DEPARTMENT
(203) 797-4641
FAX (203) 796-1586

WILLIAM J. BUCKLEY, JR., P.E.
DIRECTOR OF PUBLIC WORKS / CITY ENGINEER

November 23, 2005

Honorable Mark D. Boughton
Common Council
City of Danbury
155 Deer Hill Avenue
Danbury, CT 06810

Dear Mayor Boughton and Common Council Members:

Traffic Signal Improvements on Backus Avenue
State Project No. 34-H057
City Project No. 05-31

In 2004 the Housatonic Valley Council of Elected Officials (HVCEO) submitted applications, on behalf of the City of Danbury, to the State of Connecticut Department of Transportation (DOT) for several projects to be funded from the national TEA-21 Surface Transportation Program (STP) (a copy of the 7/12/04 HVCEO letter is enclosed for your reference). The traffic signal improvements/synchronization on Backus Avenue was one of those projects.

This traffic signal improvement/synchronization project is being considered for approval by the State DOT for a \$1,100,000.00 grant. Conditions of this grant are that the City advise the public of the proposed project, that the City take responsibility for the design of the project and that the City pay for emergency vehicle pre-emption devices, if needed, along the corridor. Emergency vehicle pre-emption devices are estimated to cost approximately \$7,000.00. The City's \$7,000.00 share is available in the Danbury Neighborhood bond that recently was approved by voters.

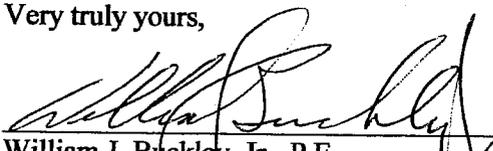
For your reference, enclosed please find copies of the Connecticut DOT Office of Engineering Project Summary Report, of Chief of Police Alan D. Baker's October 24, 2005 memo to me in which he expressed his support of the project, and of the October 22, 2005 press release that appeared in the Danbury News Times. Area elected and appointed officials and other agencies also received written notification of the project.

To date, no written or verbal opposition to this project has been received by our department.

Therefore, we ask that the Common Council authorize Mayor Mark D. Boughton to execute all applications, agreements and other documents necessary for the implementation of this project.

If you have any questions, please feel free to contact me.

Very truly yours,



William J. Buckley, Jr., P.E.
Director of Public Works/City Engineer

Encl.

C: Eric L. Gottschalk, Esq., with encl.
Dena R. Diorio, with encl.
Jonathan Chew, HVCEO, with encl.



RESOLUTION

CITY OF DANBURY, STATE OF CONNECTICUT

_____ A. D., 200_

RESOLVED by the Common Council of the City of Danbury:

WHEREAS, the City of Danbury issued a press release on Saturday October 22, 2005 and sent formal notices to elected and appointed officials as well as to other agencies informing them of the proposed Surface Transportation Program - Urban Transportation project that is known as Backus Avenue-Kenosia Avenue Traffic Signals Improvement - State Project No. 34-H057; and

WHEREAS, community residents, as well as elected and appointed public officials, were provided with an opportunity to provide comments regarding the project; and

WHEREAS, the Housatonic Valley Council of Elected Officials (HVCEO) has selected this project as a regional priority and has agreed to utilize Federal Highway funds for acquisition of right-of-way, preliminary engineering and construction activities; and

WHEREAS, the City of Danbury has agreed to be responsible for approximately Seven Thousand Dollars (\$7,000.00) in costs associated with the installation of emergency vehicle pre-emption devices that may be needed; and

WHEREAS, the Common Council of the City of Danbury finds that the proposed synchronization of traffic signals along Backus Avenue and Kenosia Avenue is in the best interest of the City in that it promotes the health, safety and general welfare of the public.

NOW, THEREFORE, BE IT RESOLVED THAT the City of Danbury hereby fully supports the proposed project, and authorizes the Mayor to seek appropriate resources and to execute whatever documents may be necessary for its implementation.



CITY OF DANBURY
DANBURY, CONNECTICUT 06810

DEPARTMENT OF POLICE
120 MAIN STREET

ALAN D. BAKER, CHIEF
(203) 797-4614

October 24, 2005

MEMORANDUM

To: William J. Buckley, Jr., P.E.
City Engineer and Director of Public Works

From: Alan D. Baker, Chief of Police

Subject: **City of Danbury**
Traffic Signals Improvement
Backus Avenue and Kenosia Avenue Corridor
State Project No. 34-H057

RECEIVED

OCT 25 2005

ENGINEERING DEPT.

I would concur with the proposal to synchronize traffic signals on Backus Avenue. This project would improve traffic flow, safety and allow us to better navigate through the city's major shopping corridor.

Alan D. Baker
Chief of Police

ADB:mrl



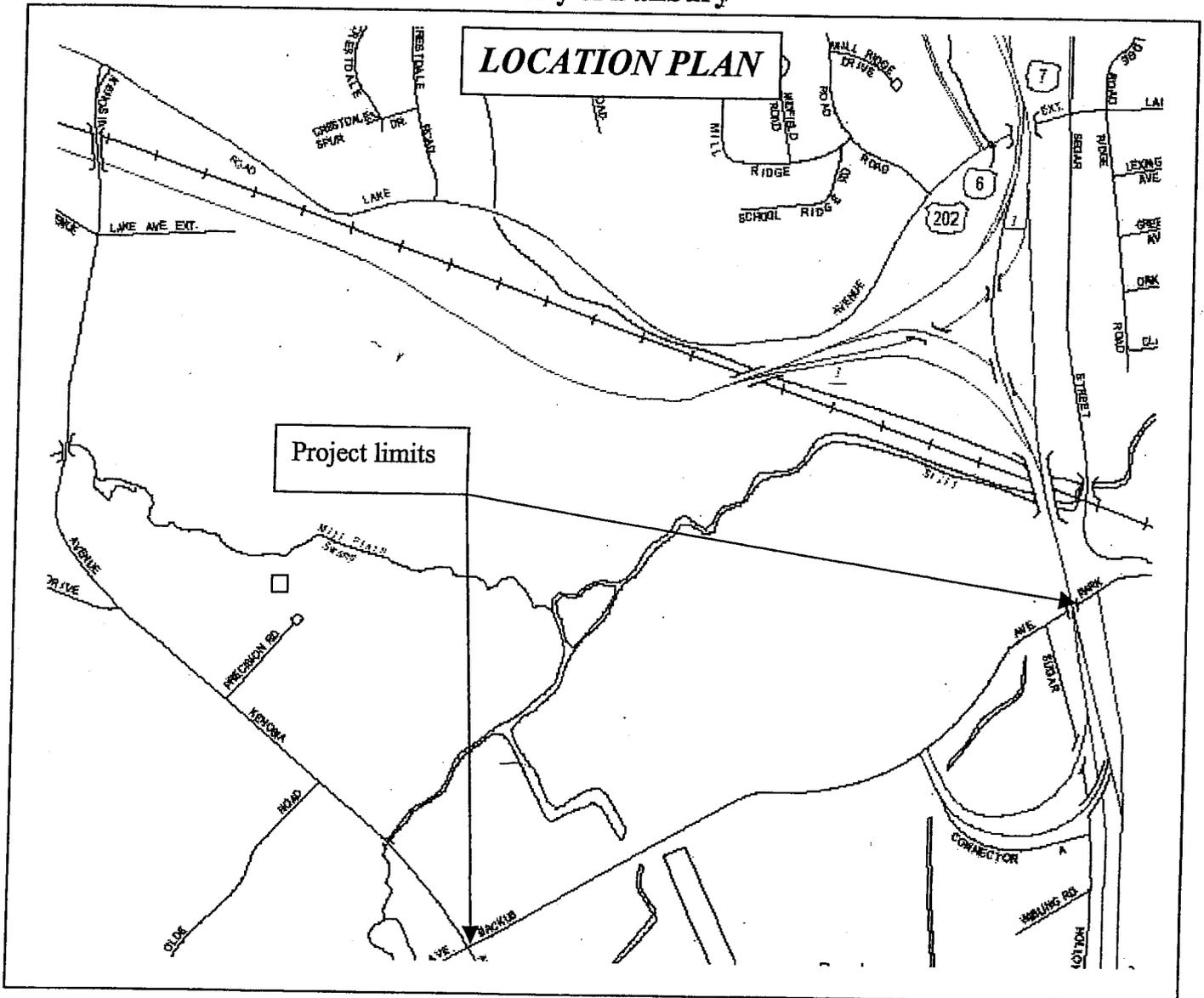
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PAPER

CONNECTICUT DEPARTMENT OF TRANSPORTATION
OFFICE OF ENGINEERING
PROJECT DEVELOPMENT UNIT
PROJECT SUMMARY REPORT

Traffic Signal Improvements on Backus Avenue

Project No. 34 – H057

City of Danbury



Origin: The City of Danbury, through the Housatonic Valley Council of Elected Officials (HVCEO), has submitted a proposal to improve the city traffic signal system on Backus Avenue in the City of Danbury. The purpose and need of the project is to address safety concerns, traffic operations and improve efficiency.

Project Location:

The proposed improvements, as noted in the city's application, include 7 signal upgrades/replacements from Kenosia Avenue to Segar Street including fiber optic signal coordination. The city's intent is to tie into the existing fiber optic lines.

The intent of the overall project is to interconnect six town signals and one State signal into a modern closed loop system, and be monitored by the town's existing control center. The State owned signal at the SB off ramp from Route 7 will be taken over by the city and thereby assuming all future maintenance requirements.

Existing Conditions: These locations are located on town roadways that are classified as urban collector or principal arterial. Average daily traffic volumes range between 15,000 and 20,000 vehicles.

The city currently maintains a "traffic signal control center" located in their engineering offices. They monitor and operate a portion of their existing town signals through a cable communications network linking the signals to the control center (computer). Based on discussions with the town, their computer system and associated software has the ability to communicate with all of the town signals should they be upgraded and linked with this project.

The city has indicated that they desire emergency vehicle preemption installed at all of the subject locations. The city will have to pay 20% of the preemption cost.

Proposed Improvements: After field review and meetings with town officials, the PDU recommends the following improvements:

- Provide for the complete replacement of traffic signal equipment at the Danbury Fair Mall/Route 7 SB Ramp intersection with Backus Avenue.
- Provide for the required interconnect communication cable linking six city owned signals along Backus Avenue, to nearby existing runs via overhead and underground routing as required. The six locations are Backus at Kenosia, Danbury Square Mall, West Mall Entrance, Sugar Hollow Road, Route 7 NB, and Segar Street.
- Provide for system integration. The traffic signal equipment installed under this project may require modifications to the various computer-related items that comprise the city's traffic operations center.
- Provide for new or the repair of pavement, curbing, sidewalks and handicap ramps where impacted by the construction and installation of the traffic signal equipment

Maintenance and Protection of Traffic It is suggested that construction activities, which interrupt traffic, be limited to non-peak hours due to the volume of traffic. The city has several viable detour options if required during certain phases. We anticipate the contractor to provide two-way traffic on the subject roadways at all times. The bulk of the work will not interfere with current traffic operations.

Impacts

- **Rights of Way:** The proposed project may have minimal Right of Way impacts that would require possible easements for signal appurtenances. During the design phase, a decision can be made as to the need to acquire property or easements. A Right of Way Phase is included.

es: Impacts to utilities should be limited to overhead runs including electric, communications, cable. The cost of the relocation of existing overhead cables to provide for the interconnect within the "municipal gain" should be the responsibility of the utility company.

- Environmental: The potential for contaminated soil to be encountered during the excavation may exist. Subsurface investigation and removal of contaminated soils may be required. Previous projects have been submitted to the department's Office of Environmental Compliance in which a Task 110- Environmental Screening Review was performed with no further investigation warranted. Form 816, Section 1.10.07 provides additional reference for contaminated soil encountered.

Preliminary Cost Estimate:

The DOT Project Development Unit has estimated the costs of the project phases as follows:

Preliminary Engineering	\$ 135,000
Rights of Way	\$ 100,000
Construction	\$ 674,000
Contingencies	\$ 50,000
Incidentals to Construction	\$ 100,000
Utilities	\$ 000,000
Total	\$ 1059,000

	Federal	State	Municipal	Total
P.E. 20%	\$126,000	\$0	\$0	\$ 135,000
Rights of Way	\$100,000	\$0	\$0	\$ 100,000
Construction	\$751,000	\$00,000	\$0	\$ 824,000
Total		\$000,000	\$7,000	\$1,059,000

Submitted by: Paul R. O'Keefe
Paul R. O'Keefe Project Engineer

Date: October 13, 2005

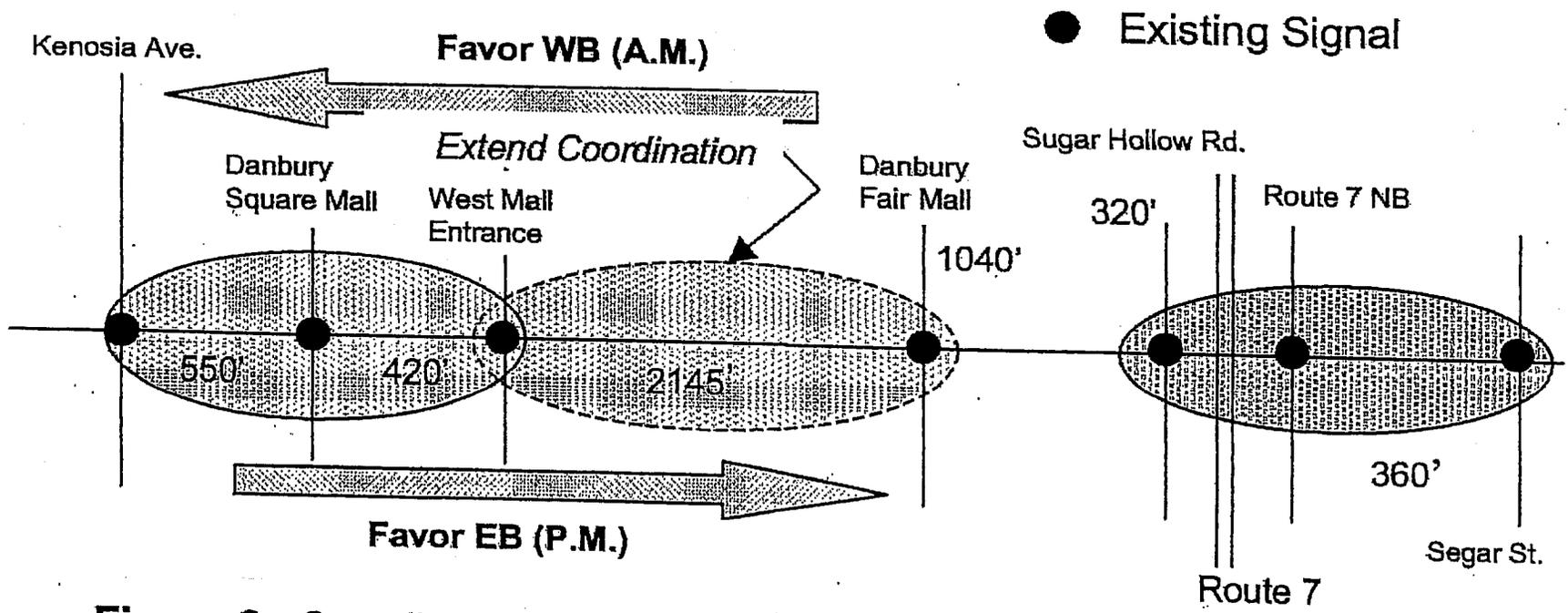


Figure 2. Coordination Concept for Backus Avenue Corridor