

CITY OF NEWTON
IN BOARD OF ALDERMEN
PUBLIC FACILITIES COMMITTEE AGENDA

WEDNESDAY, JUNE 17, 2009

7:45 p.m.
ROOM 209

Chairman's Note: The discussion of item #224-06(2) will focus on the proposed possible street improvements to promote safety on Walnut Street from Mill Street to Cabot Street

ITEMS TO BE DISCUSSED:

#224-06(2) ALD. LINSKY, ALBRIGHT & JOHNSON, BAKER & SCHNIPPER requesting further deliberation on the conditions set forth in the Site Plan Approval Board Order relating to the Newton North High School project, considering possible expansion and modification of the conditions.

REFERRED TO PUBLIC FACILITIES AND FINANCE COMMITTEES

#178-09 HIS HONOR THE MAYOR requesting to appropriate and expend from Capital Stabilization the sum of thirty eight thousand six hundred dollars (\$38,600) to the Building Department for the balance of the cost to replace the emergency generator at the Peirce Elementary School. [6/09/09 @ 5:08 PM]

REFERRED TO PUBLIC FACILITIES AND FINANCE COMMITTEES

#179-09 HIS HONOR THE MAYOR requesting to appropriate and expend from bonded indebtedness the sum of four hundred five thousand dollars (\$405,000) to Department of Public Works for the purpose of replacing two underground fuel tanks at the Crafts Street DPW yard. [06-09-09 @ 5:08 PM]

REFERRED TO PS&T, PUBLIC FACILITIES AND FINANCE COMMITTEES

#60-09 ALD. SANGIOLO, GENTILE AND HARNEY requesting the installation of traffic islands on CONCORD STREET to be funded with the Cabot, Cabot and Forbes Traffic Mitigation Fund for Lower Falls (Ward 4). [02/03/09 @1:01 PM]

#342-08 ALD. SANGIOLO AND HARNEY requesting raised crosswalks/intersections at Grove and Cornell Streets and Grove Street and Pine Grove Avenue as approved by the Traffic Council to be funded with the Cabot, Cabot and Forbes Traffic Mitigation Fund for Lower Falls (Ward 4). [07-28-08 @ 11:35 AM]

#385-07 ALD. SCHNIPPER AND GENTILE updating the Public Facilities Committee on the progress of the Newton North High School Project. [11-21-07 @ 10:23 AM]

ITEMS NOT SCHEDULED FOR DISCUSSION:

- #174-09 ALD. YATES proposing a Resolution to the Public Buildings Commissioner urging that the City apply for funding through the Fire Station Reconstruction Program established by the American Recover and Rediscovery Act for the reconstruction of the next scheduled fire station.
- #175-09 PUBLIC FACILITIES COMMITTEE requesting monthly updates from the Department of Public Works on the Commonwealth Avenue project.
- #127-09 IRA KRONITZ requesting that the Board of Alderman rescind Board Order #289-03(4) dated November 20, 2006, relating to roadway modification plans for curb-line geometry changes to calm traffic at the intersection of Daniel and Jackson Streets. [04-28-09 3:48]
- #289-03(6) JOHN S. MAYPOLE proposing a Resolution to the Commissioner of Public Works to install curb-line geometry at the intersection of Daniel and Jackson Streets as originally designed by the Traffic Engineer and approved by the Board of Aldermen on November 20, 2006.
- #126-09 ALD. LAPPIN requesting an update on the status of repairs and rental of the Kennard Estate. [04/17/09 @ 2:49 PM]
- #112-09 ALD. YATES requesting the City seek energy conservation funds from the American Re-Investment and Recovery Act to replace the energy inefficient boiler at the Emerson Community Center.
- #111-09 ALD. ALBRIGHT AND MANSFIELD requesting discussion of recent information (made available to the Land Use Committee) from NStar related to double poles, focusing on the 350 double poles waiting only for removal of wires or streetlights by the City of Newton.
- #82-09 ALD. SANGIOLO requesting the Executive Department apply for the Massachusetts Department of Energy Resource's Energy Audit Program for any and all municipal and school building facilities. [03/03/09 @ 1:19 PM]

RECOMMITTED TO FINANCE AND PUBLIC FACILITIES ON 02-17-09

REFERRED TO PUBLIC FACILITIES AND FINANCE COMMITTEES

- #13-09 HIS HONOR THE MAYOR requesting authorization to appropriate and expend three hundred eighty-five thousand dollars (\$385,000) from bonded indebtedness to the Public Works Department for the purpose of replacing both the salt shed and the Quonset hut at Crafts Street. [12-30-08 @ 5:04 PM]
PUBLIC FACILITIES APPROVED 4-0-2 (Ald. Gentile and Mansfield abstaining) on 01-07-09
FINANCE APPROVED 2-1-3 (Ald. Gentile opposed; Ald. Parker, Lennon and Freedman abstaining) on 02/09/09

REFERRED TO PUBLIC FACILITIES AND PROGRAMS & SERVICES

- #8-09 ALD. HESS-MAHAN LINSKY, ALBRIGHT, FREEDMAN, MANSFIELD, JOHNSON, HARNEY & VANCE proposing an ordinance requiring that the installation of synthetic in-filled turf athletic fields on city-owned property shall use sustainable, recyclable, lead-free, non-toxic products to the maximum extent feasible. [12-30-08 @9:55 AM]
- #457-08 ALD. LAPPIN AND SALVUCCI requesting discussion with NStar regarding the timely repair of City streetlights and the development of a standard response timeframe. [11-20-08 @ 12:51 PM]
- #368-08 ALD. LINSKY requesting approval of the Board of Aldermen of the design for improvements affecting the area where Walnut Street, Lowell Avenue and Watertown Street intersect including a traffic island, curb extensions and the dead ending of Lowell Avenue. [10-14-08 @ 12:53 PM]
- #297-08 NSTAR ELECTRIC COMPANY petitioning for a grant of location to relocate Pole #223/5 on the westerly side of IRVING STREET ± 129' north of Commonwealth Avenue (Ward 7). [07-21-08 @ 11:02 AM]

**REFERRED TO PROG. & SERV., ZONING & PLANNING, PUB. FACIL.,
PUB. SAFETY AND FINANCE COMMITTEES**

- #273-08 ALD. JOHNSON proposing a RESOLUTION to His Honor the Mayor requesting that the Executive and Human Resources Departments develop a comprehensive human capital strategy for the city to include: performance management, talent development, succession planning, and compensation. [07-17-08 @ 9:53 AM]
- #241-08 ALD. SCHNIPPER requesting an update on the progress of the design for the reconstruction of Needham Street. [6-13-08 @ 11:45 AM]
- #208-08 ALD. GENTILE, SALVUCCI AND SCHNIPPER requesting a discussion on establishing a permanent Building Committee in the City of Newton. [05-16-08 @11:47 AM]

REFERRED TO COMMUNITY PRESERVATION & FINANCE COMMITTEES

- #147-08 COMMUNITY PRESERVATION COMMITTEE recommending that the sum of \$359,400, including \$2,000 for legal costs, be appropriated from the FY'08 Community Preservation Fund's historic resources and general reserves, for a project to rehabilitate and expand storage space for the research library and archives at the Newton History Museum, to preserve the existing collections, and enhance public access to the collections. [04-01-08 @ 4:10 PM]
COMMUNITY PRESERVATION APPROVED 6-0 on 4-29-08

REFERRED TO PROG. & SERV., PUB.FAC. AND FINANCE COMMITTEES

#89-08

ALD. PARKER requesting the following:

- A) review of the maintenance practices for buildings, parks and other properties owned by the City (including School Department facilities and grounds)
- B) development of a comprehensive maintenance plan that includes regular schedules for preventive maintenance for each specific site or facility
- C) a RESOLUTION requesting that implementation of said maintenance plan be funded using operating budget funds. [02-13-08 @ 12:07 PM]

Re-appointment by Board President

#50-08

PRESIDENT BAKER recommending Joseph Michelson, 94 Park Avenue, Newton be re-appointed as an Aldermanic appointee to the DESIGNER SELECTION COMMITTEE, term of office to expire 12/31/09. [01-17-08 @ 3:48 PM]

Re-appointment by the Board President

#48-08

ALD. BAKER recommending Lawrence Bauer, 42 Eliot Memorial Road, Newton, be re-appointed as an Aldermanic appointee to the DESIGNER SELECTION COMMITTEE, term of office to expire 12/31/09. [01-17-08 @ 3:48 PM]

Re-appointment by Board President

#46-08

PRESIDENT BAKER recommending Robert O. Smith, P.E., 55 Chester Street, Newton Highlands be re-appointed as an Aldermanic appointee to the DESIGN REVIEW COMMITTEE, term of office to expire 12/31/09. [01-17-08 @ 3:48 PM]

REFERRED TO PUBLIC FACILITIES AND FINANCE COMMITTEES

#31-08

ALD. COLETTI proposing a RESOLUTION to His Honor the Mayor expressing a no confidence vote pertaining to the current status of the Newton North High School Construction Project and related Financing Plan. [01-15-08 @ 11:14 AM]

ITEM RECOMMITTED TO PUBLIC FACILITIES AND FINANCE ON 6/19/08

REFERRED TO PUBLIC FACILITIES AND FINANCE COMMITTEES

#11-08

HIS HONOR THE MAYOR requesting an appropriation in the amount of \$1,200,000 from bonded indebtedness for the purpose of funding the installation of four modular classrooms. [01-02-08 @ 4:53 P.M.]

B) \$1,225,000 from bonded indebtedness

NOTE: Letter received from Mayor on 1/4/08 requesting that appropriation amount be amended to \$1.3 million. Letters received 5/7 and 5/21 requesting that the funding source to capital stabilization for costs incurred for design work and the remaining \$1,225,000 from bonded indebtedness be voted no action necessary. Part A) \$75,000 from Capital Stabilization approved on 6/19/08.

#352-07

ALD. SANGIOLO AND PARKER request Turner Construction, Project Manger for the Newton North High School Project and the DEP representative overlooking this project to discuss the issues and concerns raised regarding asbestos removal, transportation and disposal for the Newton North site and also information on 5,000 cubic feet of loam being removed to the Elliot Street and Rumford Avenue Yards. [10-17-07 @ 11:54 AM]

- #351-07 ALD. PARKER AND SALVUCCI requesting that the Department of Public Works create an inventory and inspection regimen of bridges and culverts less than 20' in length and develop a maintenance plan for all city-owned bridges including those over 20', as recommended by the Undersecretary of Public Works at the Executive Office of Transportation, Robert Rooney. [10-17-07 @12:11 PM]
- #253-07 ALD. LINSKY ALBRIGHT, JOHNSON, HARNEY, SANGIOLO, SALVUCCI, MANSFIELD, BURG, SCHNIPPER requesting (1) a review as to how provisions of applicable ordinances, specifically 5-58, were implemented during the course of the Newton North project, and (2) consider proposed revisions of 5-58 including, but not limited to:
- (a) timely provision of documentation by the public building department to the Board of Aldermen and Design Review Committee;
 - (b) establishment of liaison committees to facilitate communications and input from neighborhoods affected by projects subject to this ordinance;
 - (c) approval of final design plans by the Board of Aldermen of projects subject to this ordinance;
 - (d) oversight during the construction phase of projects subject to this ordinance by appropriate Board committee(s) both in respect to approval of change orders as well as design changes; and
 - (e) generation of a required record detailing the entire construction process by the public building department to guide present and future oversight of projects subject to this ordinance. [08-07-07 @ 3:12 PM]
- #54-07 ALD. SANGIOLO requesting discussion with the School Department and the Public Buildings Department about giving the School Department increased control over maintenance of school building facilities thereby allowing the School Department to have direct authority to deploy/hire staff to make necessary repairs to their school facilities. [2-9-07 @ 1:46 PM]
- #451-06 KEYSPAN ENERGY petitioning for a grant of location to install and maintain 450' ± of 8" gas main in HULL STREET from the existing 8" gas main in Hull street at 90 Hull Street easterly to the existing 6" gas main in Hull Street at 60 Hull Street. All of which is to replace the existing 4" gas main in Hull Street, which is to be abandoned. [11-15-06 @11:19 AM]
- #345-06 ALD. SCHNIPPER requesting that the contingency on smaller Public Buildings projects be increased from 5% to at least 8%.
- #294-06 ALD. SAMUELSON requesting creation of a method for the collection of parking meter receipts to ensure maximum collection.
- #280-06 ALD. SANGIOLO proposing an Ordinance to create a Building Committee made up of Finance, Construction and Building experts in addition to several Aldermen to oversee construction and renovation projects in all municipal buildings.

- #226-06 ALD. LINSKY requesting discussion of initiatives in respect to monitoring of water meter readings to better inform water and sewer users of significant increases in usage.
- #178-06 ALD. SCHNIPPER, LINSKY AND ALBRIGHT requesting a report on the commissioning of Newton South High School.
- #159-06 PRESIDENT BAKER & ALD. SCHNIPPER presenting the City of Newton Energy Action Plan for review and such action that may be appropriate by the Board of Aldermen.
- #155-06 JAMES A. BLACKBURN, 105 Wood End Road, Newton Highlands petitioning for laying out, grading and acceptance of WOOD END ROAD as a public way from the intersection of Mountfort Road westerly to the intersection of Nantucket Road (a distance of 360'±) to be the width of 45'.
- #152-06 PS&T COMMITTEE requesting discussion re Road Classification Design Types (as outlined by the Planning and Development Department) for future use as an overall management tool for the City.
- #84-06 COMMISSIONER OF PUBLIC WORKS requesting a waiver from the Board of Aldermen of surfacing materials used on the sidewalk of a public way in front of 161 Pond Brook Road, as provided in §26-47 of the City of Newton Ordinances.
- #424-05 ALD. SANGIOLO & HARNEY requesting an update from the School Department regarding the energy audit that was begun during last year's budget review.
- #467-04 ALD. YATES AND SCHNIPPER requesting a response from the Commissioner of Public Works to the findings of the Environmental Protection Agency that pollution enters the Charles River from Newton.
- #386-04 ALD. SANGIOLO, HESS-MAHAN, JOHNSON, AND DANBERG proposing an ordinance to require that designers selected have LEED certification and include high performance/life cycle analysis for all municipal construction projects in the City of Newton.

ITEM REFERRED BY PUBLIC SAFETY & TRANSPORTATION:

- #321-04(2) ALD. JOHNSON requesting a RESOLUTION to His Honor the Mayor requesting that he expeditiously as possible find funding to create traffic calming measures on Mill Street as requested by the Traffic Council.
- #246-04 COMMISSIONER OF PUBLIC WORKS requesting approval of the 25% design plan submittal for Walnut Street from Homer Street to Centre Street including a small section of Centre Street to Route 9.
- #178-04(2) ALD. LAPPIN requesting an update on progress and implementation of the construction information database.

#104-04 ALD. YATES requesting a report from the Chief of Police as to how the ordinance prohibiting the blockage of sidewalks with snow can be more easily enforced.

REFERRED TO PUB FAC. AND PUB SAF & TRANS. COMMITTEES

#35-04 ALD. SAMUELSON AND DANBERG requesting an ordinance amendment to Section 26-8 of the City of Newton Revised Ordinances, 2001 to require all property owners or residents to remove snow from sidewalks abutting their property.

#522-03 ALD. PARKER AND LENNON requesting an ordinance amendment to improve enforcement related to snow removal.

REFERRED TO PROG. & SERV., PUB. FAC. AND FINANCE COMMITTEES

#309-01 ALD. PARKER requesting increase in the income eligibility level of the 30% water/sewer discount for low-income senior citizens.

94-99 RALPH S. ROBERT 28 Richardson Road, Petition for Laying Out, Grading, and Acceptance of RICHARDSON ROAD from Route 9 northerly 180'± to be the width of 30 feet.

Respectfully submitted,

Sydra Schnipper, Chairman

CITY OF NEWTON
IN BOARD OF ALDERMEN
PUBLIC FACILITIES COMMITTEE REPORT

WEDNESDAY, MARCH 18, 2009

Present: Ald. Schnipper (Chairman), Albright, Salvucci, Yates, Mansfield, and Lappin

Absent: Ald. Lennon and Gentile

Also present: Ald. Baker, Johnson, and Linsky

City staff present: Thomas Daley (Commissioner of Public Works), Clint Schuckel (Traffic Engineer), and Shawna Sullivan (Committee Clerk)

#67-09 RAFAEL REISZ, 142 Pine Grove Avenue petitioning for construction of a common sewer main through a proposed easement in PINE GROVE AVENUE from an existing sewer main in St Mary's Street at Pine Grove Avenue westerly 357' ± to a proposed sewer manhole in Pine Grove Avenue. (Ward 4)

PETITIONER TO PAY ENTIRE COST

ACTION: APPROVED 6-0

NOTE: Commissioner Daley provided the Committee with the details of the petition. There are two property owners involved in the petition and they will share the cost of the sewer extension, which will serve their homes. One of the homes is on a septic system and the other is on a cesspool, both are full and need to be pumped out regularly. The City will need to accept an easement as Pine Grove Avenue is a private way. The Engineering Division has reviewed the plans and recommended approval of the petition.

The public hearing was opened and no one spoke for or against the petition. The Committee reviewed the plans. Ald. Mansfield asked if there were any health issues with the septic system or cesspool. Mr. Robinson, 136 Pine Grove Avenue, responded that his home is on a cesspool that needs to be cleaned out because it overflows every couple of months. Ald. Lappin moved approval of the item with an emergency preamble. Both the motion and emergency preamble were approved by a unanimous vote.

* #224-06(2) ALD. LINSKY, ALBRIGHT & JOHNSON, BAKER & SCHNIPPER requesting further deliberation on the conditions set forth in the Site Plan Approval Board Order relating to the Newton North High School project, considering possible expansion and modification of the conditions.

ACTION: HELD 6-0

NOTE: The City's Traffic Engineer, Clint Schuckel, Ald. Johnson, and Ald. Linsky joined the Committee for discussion of this item. The item was held on February 4, 2009, to give the Traffic Engineer an opportunity to respond to alternatives suggested at the meeting. Mr. Schuckel provided the Committee with a PowerPoint presentation, which is attached. The presentation incorporates the suggestions and new alternatives that were given at the previous meeting.

The presentation began with a review of the site plan board order and the traffic/circulation goals around the Newton North site. The highest priority is to provide safe access to the site for pedestrians, bicycles, and busses. Clint Schuckel referred the Committee to Condition #4 of Board Order #224-06, which states that the Commissioner of Public Works shall recommend possible street improvements to improve safety on Walnut Street between Mill Street and Cabot Street. The stretch of Walnut Street includes the Hull Street intersection and it has been suggested that the intersection would benefit from safety improvements. Mr. Schuckel presented aerial photos of the Hull Street intersection, which included an as is photo and a photo-shopped version which displayed the intersection with curb extensions. The curb extensions would narrow a 90' crossing to a 41' foot crossing. There is currently an island located in the center of Hull Street, which would need to be removed to accommodate the curb extensions. Mr. Schuckel stated that John and Anne Joyce, 503 Walnut Street, own the home located at the corner of Hull Street and are in support of the proposed traffic island removal and road narrowing. They have signed up for the Adopt a Space program for the Hull Street traffic island and would like to continue the service in the area that will be created by a curb extension. The projected cost of the Hull Street curb extension is \$35,000. There is still some question whether to offer to sell the additional land created by the curb extension to the property owners at 503 Walnut Street. The Traffic Engineer would like some direction from the Committee regarding this proposed traffic improvement.

Ald. Mansfield if there has been any study to show how changing the turn radius could affect the traffic on Walnut Street. Mr. Schuckel does not share the concern regarding slowing traffic on Walnut Street. The design of the Hull Street intersection is the same as any other intersection designed as a side street meeting a main street. There should not be any type of negative impact. Ald. Schnipper asked if it was possible to do a trial of the curb extensions. Mr. Schuckel explained that the current traffic island would need to be removed in order to hold a trial. Ald. Albright pointed out that it would increase pedestrian safety and it is likely that the neighborhood would support the change. Ald. Albright suggested that the Committee take a straw vote on whether to recommend that the Traffic Engineer proceed to the design phase of the intersection reconfiguration. The Committee voted unanimously in favor of proceeding with the project.

Mr. Schuckel continued with his presentation and addressed Condition #5 of Board Order #224-06, which relates to the school's driveway located on Walnut Street directly across Trowbridge Avenue. The condition states that there shall be a study of the traffic circulation if restrictions are put into effect when entering and exiting the driveway. It also requests there be a study to determine the feasibility of providing a pedestrian crossing at, or north of, the driveway. Mr. Schuckel addressed the pedestrian crossing first. A pedestrian crossing becomes less attractive to pedestrians the further north it moves from the entrance to the school. It is very difficult to predict the number of crossings as school construction currently does not allow access to the school from Walnut Street. Therefore, the current crossings are likely due to the bus stop location on Walnut Street. Mr. Schuckel reviewed the traffic signal and school crossing warrants with the Committee. Walnut Street at Trowbridge Avenue meets the criteria for a traffic signal.

The Traffic Engineer reviewed the eight alternatives for the Walnut Street/Trowbridge Avenue. The alternatives run the gamut of no restrictions or signals to a full signal with an island. Mr. Schuckel provided the pros and cons for each alternative. The alternatives that include raised islands create access issues for the Fire Department and he suggested that it is appropriate for the Committee to consult the Fire Department regarding their concerns. The presentation concluded with a cost summary of all of the alternatives.

Ald. Mansfield stated that the median island displayed in Alternate 1A appeared to be unduly long and suggested that if it were shortened the Fire Department's access may not be as restricted. The Traffic Engineer stated that he would look at shortening the island. Ald. Albright spoke on the alternatives. She favors a right in/right out with a raised island and a mid-block crossing with some type of pedestrian signal. Mr. Schuckel stated that he did not believe the entrance was wide enough to accommodate a raised island. She suggested investigating widening the entrance to the school to allow a raised island in the center of the entrance. She would also like to see how the pedestrian warning signals work at other sites in the city to determine whether it is a viable option on Walnut Street. Ald. Johnson stated that the warning signals should be in place by the summer at five locations in the city. The Ward Two Aldermen submitted a letter to the Committee detailing their goals as they relate to traffic around the Newton North site. The letter is attached to the report. Ald. Schnipper stated that she was not comfortable supporting the alternative without input from the Fire Department.

Mr. Robertson, 30 Trowbridge Avenue, spoke for the neighbors. The neighborhood has spent a lot of time studying the options. The neighborhood supports Alternative 3 as it accomplishes all of the goals represented in the letter from the Ward Two Aldermen. Ald. Linsky also felt that Alternative 3 was the best option to address the goals. He supported investigating the possibility of a raised island.

Ald. Albright asked that the Traffic Engineer investigate the feasibility of a delta island with a raised curb. She would also like a cost estimate for the new alternative. Ald. Albright moved hold until the Traffic Engineer has a chance to address the requests, which carried 6-0.

REFERRED TO PUBLIC FACILITIES AND FINANCE COMMITTEES

#88-09 HIS HONOR THE MAYOR requesting authorization to appropriate and expend four hundred fifty thousand dollars (\$450,000) from Free Cash to the expense budget in the Department of Public Works and to transfer fifty thousand dollars (\$50,000) from Salaries to Expenses in the Department of Public Works for the purpose of additional cost related to snow and ice control. [03-10-09 @ 4:58 PM]

ACTION: APPROVED 6-0

NOTE: Public Works Commissioner Daley presented the request for \$450,000 to pay for expenditures related to snow and ice events. He provided the Committee with a breakdown of the snow and ice expenditures through March 10, 2009, which was attached to the agenda. The requested funds will be used to pay the balance of all contractor related expenses and to pay for all outstanding and estimated salt bills. The salt sheds are currently 80% full. The additional money should cover all outstanding debt and barring any further snow and ice events, this should be the last expenditure for this year. Ald. Salvucci moved approval, which carried unanimously.

CITY OF NEWTON

IN BOARD OF ALDERMEN

September 5, 2006

ORDERED:

That the Board of Aldermen finding that the public interest would be served by its action, hereby grants SITE PLAN APPROVAL to the City of Newton for construction of a new Newton North High School with related athletic facilities and other site improvements pursuant to the provisions of Sec. 5-58 of the Revised Ordinances of the City of Newton, in accordance with the recommendations of the Public Facilities Committee and subject to the following conditions:

Docket Number: 224-06

Petitioner: The Design Review Committee of the City of Newton

Location: Newton North High School, 360 Lowell Avenue, Ward 2, Newtonville, more specifically described as Section 24, Block 18, Lot 1, containing approximately 1,045,658 square feet of land.

Owner: City of Newton

Owner's Address: Newton City Hall
1000 Commonwealth Avenue
Newton Centre, MA 02159

To be used for: New Newton North High School and related athletic facilities (hereinafter referred to as the "Project")

Construction: Brick and glass façade

Explanatory note: All new construction of a municipal building requires Site Plan Approval pursuant to the provisions of Section 5-58 of the Revised Ordinances of the City of Newton.

The land referred to is zoned Public Use.

1. The building and site improvements for the new Newton North High School shall be constructed consistent with the Site Plan L1.0, which plan has been revised to show Option 5A, and the "Site Plan Approval Set," prepared by Gund Partnership, dated May 4, 2006, and on file with the City Clerk, which "Site Plan Approval Set" shall be amended and

supplemented as necessary to reflect the approved Option 5A Site Plan L1.0. The approved Site Plan and "Site Plan Approval Set" consists of the following plans:

- a. EX-1, Existing Conditions Plan;
- b. C-1, Utility Plan;
- c. L1.0, Site Plan, showing Option 5A and dated August 10, 2006;
- d. L2.0, Grading Plan;
- e. L3.0, Landscape Plan;
- f. A2.20, Plan Basement Level;
- g. A2.21, Plan First Level South;
- h. A2.22, Plan First Level North;
- i. A2.23, Plan Second Level South;
- j. A2.24, Plan Second Level North;
- k. A2.26, Plan Third Level North;
- l. A2.27, Plan Fourth Level South;
- m. A3.11, Building Elevations; and
- n. A3.21, Site Sections.

The building floorplans and elevations are subject to modification as the plans are developed during the Design Development and Construction Document phases of the Project. Pursuant to §5-54(c) of The Revised Ordinances of Newton, 2001, the Design Review Committee shall make periodic reviews of the Project's plans as it moves through the various design phases.

2. The Board of Aldermen acting through its Public Facilities Committee will receive regular updates and plans on the status of the Project, on the issues to be analyzed pursuant to the conditions contained in this board order.

3. During the Design Development phase, the Project's Design Team shall make a comparative design and associated financial analysis of the following alternatives:

- a) Building the multi-purpose playing field at grade rather than sinking it;

- b) Providing basement space for such of the mechanical equipment as may be relocated from the roof;
- c) Providing basement space above and beyond that needed for mechanicals to be used for secure storage;
- d) Adjusting the layout of Elm Road in the area of the bus waiting zone to maximize the opportunity to increase the landscape buffer between Elm Road and the abutting residential properties and narrowing the width of Elm Road to not more than thirty (30) feet;
- e) Providing a drop-off area or alternative vehicular entrance along Lowell Avenue and creating alternative traffic patterns on Elm Road;
- f) Covering the stairs leading from Hull Street into the east side of the site and developing a plan to better utilize Hull Street as a drop-off location;
- g) Designing the classroom building to allow expansion space for additional classrooms to be built later;
- h) Comparing different mechanical equipment systems and life-cycle costs of such systems;
- i) Developing a plan to mitigate noise to be generated by the HVAC system if located on the roof or on the ground; and,
- j) Creating an alternative bus drop-off area on Walnut Street.

4. The Public Works Commissioner shall recommend to the Board of Aldermen possible street improvements to promote safety on Walnut Street from Mill Street to Cabot Street, including at the intersection of Hull Street and Walnut Street. Such street improvements might include, but not be limited to, signage and the narrowing of the intersection at Hull Street and Walnut Street. Such improvements as approved by the City shall be undertaken as soon as possible and in no event later than the Project's opening.

5. The Design Team shall study the effect on traffic circulation if the turning movements are limited to a right turn into and out of the driveway to the project entrance on Walnut Street, and shall also study providing a pedestrian crossing north of such driveway. If the results of the said study so recommend, a traffic signal shall be considered by the City at such driveway. If approved by the Board of Aldermen, such signal shall be operational at the time of the Project's opening.

6. The City shall use best efforts to retain and protect the existing trees on the site along the north side of Hull Street to provide a landscape buffer for the adjacent residential properties.

7. No further parking spaces shall be added at the entrance on Trowbridge Avenue.

Under Suspension of Rules

Readings Waived and Approved

16 yeas (Aldermen Burg, Danberg, Fischman, Gentile, Hess-Mahan, Lappin, Lennon, Lipof, Merrill, Salvucci, Samuelson, Schnipper, Vances, Weisbuch, Yates, and Baker

7 nays (Aldermen Albright, Coletti, Harney, Johnson, Mansfield, Parker, and Sangiolo)

1 absent (Alderman Linsky)

EXECUTIVE DEPARTMENT

Approved: September 7, 2006

(SGD) DAVID A. OLSON
City Clerk

(SGD) DAVID B. COHEN
Mayor



David B. Cohen
Mayor

City of Newton, Massachusetts
Office of the Mayor

#178-09 Telephone (617) 796-1100
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June 9, 2009

09 JUN -9 PM 5:08
CITY CLERK
NEWTON, MA. 02159

Honorable Board of Aldermen
Newton City Hall
1000 Commonwealth Avenue
Newton, MA 02459

Ladies and Gentlemen:

I write to request that your Honorable Board docket for consideration a request to appropriate \$38,600 from Capital Stabilization to the Building Department for the balance of the cost to replace the emergency generator at the Peirce Elementary School.

Thank you for your consideration of this matter.

Very truly yours,

David B. Cohen
Mayor

DBC:srb

1000 Commonwealth Avenue Newton, Massachusetts 02459

www.ci.newton.ma.us



DEDICATED TO COMMUNITY EXCELLENCE

City of Newton



David B. Cohen
Mayor

PUBLIC BUILDINGS DEPARTMENT

A. NICHOLAS PARNELL, AIA, COMMISSIONER

Telephone (617) 796-1600

FAX (617) 796-1601

52 ELLIOT STREET

NEWTON HIGHLANDS, MA 02461-1605

#178-09

June 9, 2009

The Honorable David B. Cohen
Newton City Hall
1000 Commonwealth Avenue
Newton Centre, MA 02459

RE Additional Funding – Peirce School Emergency Generator Replacement

Dear Mayor Cohen:

The Public Buildings Department respectfully requests the additional sum of \$38,600 to cover the cost of the removal and replacement of the existing emergency generator at the Peirce Elementary School.

Attached to this letter is a comparison of the estimated costs versus the actual bid results for this project.

Should you have any questions regarding this request, please contact my office.

Very truly yours,

A. Nicholas Parnell, AIA
Commissioner of Public Buildings

ANP:dla

CC: Sandy Pooler, Chief Administrative Officer
Susan Burstein, Chief Budget Officer
Michael Cronin, Chief of Operations
Carol Chafetz, Director of Operations and Environmental Affairs

09 JUN - 9 PM 5:08
CITY CLERK
NEWTON, MA 02159

Peirce School Emergency Generator Replacement Project Revised Budget

#178-09 09/2008

<u>Task</u>	<u>Original Estimate</u>	<u>Budget based on Bid</u>
New Generator	\$ 50,000	\$ 75,000
Site Prep / trenching	\$ 5,240	\$ 12,750
Installation	\$ 22,500	\$ 26,750
Design/Contract Administration	\$ 17,500	\$ 17,500
Sub Total	\$ 95,240	\$ 132,000
5% Contingency	\$ 4,762	\$ 6,600
Project Total	\$ 100,002	\$ 138,600

rounded down to \$ 100,000

09 JUN -9 PM 5:08

CITY CLERK
NEWTON, MA. 02159



David B. Cohen
Mayor

City of Newton, Massachusetts
Office of the Mayor

#179-09 Telephone (617) 796-1100
Telefax (617) 796-1113
TDD (617) 796-1089
E-mail dcohen@newtonma.gov

June 9, 2009

09 JUN -9 PM 5:08
CITY CLERK
NEWTON, MA 02159

Honorable Board of Aldermen
Newton City Hall
1000 Commonwealth Avenue
Newton, MA 02459

Ladies and Gentlemen:

I write to request that your Honorable Board docket for consideration a request to appropriate four hundred five thousand dollars (\$405,000) from bonded indebtedness for the purpose of replacing two underground fuel tanks at the Crafts Street DPW Yard. These tanks are approaching the end of their useful life and replacement has been anticipated. The need has been made more pressing following the results of tests that were recently performed. The Building Department will be providing a site plan for discussion with the Board.

Thank you for your consideration of this matter.

Very truly yours,

David B. Cohen
Mayor

DBC: srb

1000 Commonwealth Avenue Newton, Massachusetts 02459

www.ci.newton.ma.us



DEDICATED TO COMMUNITY EXCELLENCE

City of Newton



David B. Cohen
Mayor

PUBLIC BUILDINGS DEPARTMENT

A. NICHOLAS PARNELL, AIA, COMMISSIONER

Telephone (617) 796-1600

FAX (617) 796-1601

52 ELLIOT STREET

NEWTON HIGHLANDS, MA 02461-1605

#179-09

June 9, 2009

The Honorable David B. Cohen
Newton City Hall
1000 Commonwealth Avenue
Newton Centre, MA 02459

RE Fuel Tank Replacement Elliot Street DPW Yard

Dear Mayor Cohen:

The Public Buildings Department respectfully requests the sum of \$404,905 cover the cost of replacing and removing two, twenty-three year old 10,000 gallon underground gasoline tanks, fuel dispensing island and related equipment at the Crafts Street DPW Yard. Due to site constraints, the existing tanks will be replaced in kind with underground storage tanks.

Both of these tanks have failed a number of inspections in regards to vapor recovery, cathodic protection, as well as the existing underground piping, although wrapped with a secondary containment, does not meet the current code for secondary containment, interstitial piping is all corroded and could not be removed for testing of the interstitial space and overall piping and tank tops are extremely corroded. I am suggesting that both tanks be replaced due to their age as opposed to making temporary repairs.

We have been in contact with both the State Fire Marshall's Office and the Newton Fire Department and been advised that the existing tanks may remain in service until the commencement of their replacement, which we anticipate to occur during the months of August and September, 2009.

However, should the above time line not be met, the existing tanks will be taken out of service effective August 1, 2009 and remain out of service until such time as the replacement project is completed.

The breakdown of the request is as follows:

Materials and installation of two - 10,000 gallon below ground storage tanks, fill, related equipment, fuel island, lighting and related dispensing equipment	\$285,000
Removal of existing underground storage tanks, fuel island, related equipment and surrounding soil	30,000
Paving around tank replacement area only (materials only)	15,000
Engineering and site inspection	35,000
Soil Removal and disposal (375 tons @ \$75/ton)	<u>20,625</u>
SUB TOTAL	\$385,625
Contingency 5%	<u>19,280</u>
TOTAL	\$404,905

CITY CLERK
NEWTON, MA 02459
09 JUN -9 PM 5:08

#179-09

Should you have any questions regarding this request, please contact my office.

Very truly yours,

A. Nicholas Farnall, AIA
Commissioner of Public Buildings

ANP:dta

CC: Sandy Pooler, Chief Administrative Officer
Thomas Daley, Public Works Commissioner
Susan Burstein, Chief Budget Officer
Chief Joseph LaCroix
Deputy Chief, Michael Castro
Lt. Robert Rocky, Fire Prevention

09 JUN -9 PM 5:08
CITY CLERK
NEWTON, MA. 02459

Ms Wang's recommendation was to add parking restriction in morning hours to deter commuters all day parking.

Sgt. Norcross said the parking problem would move if restrictions were put in. From the point of view of the Police Department, a two hour restriction is a drain on manpower. He noted that a specified time has always worked.

Chairman Koses suggested a 30-day trial from 8 am to 10 am and see if there needs to be any adjustment.

Ms. Wang will be able to put in "No Parking Here to Corner Signs which would address some concerns. Jerome Grafe agreed with the Traffic Engineer that there be no parking on east side of Hancock Street between Williston and Grove Street. Ms. Wang pointed out that a 60-day trial would be more appropriate.

The Committee voted a 60-day trial of No parking, west side of Hancock Street between Williston Road and Grove Street, and no parking 8:00 am – 10:00 am, Mon-Fri, east side of Hancock Street between Williston Road and Grove Street.

This Item will be heard again in September or later.

- * TC61-08 ALD. SANGIOLO, HARNEY, GENTILE requesting traffic calming measures along Concord Street in Newton Lower Falls; either two center islands or alternatively a bike lane along Concord Street. (Ward 4)

ACTION: NAN 3-1 (Grafe)

NOTE: Ald. Sangiolo said when the Jordan Marsh warehouse was renovated a traffic study was done for lower falls and a number of traffic calming measures were recommended by Rizzo and Associates. The recommendations included two traffic islands to be installed on Concord Street. Ald. Sangiolo said she often sees bicycles on this road and notes it is not safe because there is no striping.

Nina Wang's presentation showed 12-18 cars parked at east side of Hancock Street on weekdays (2/3 of them from commuter's near Grove Street end and 1/3 school related). The existing parking restriction covers most of the west side between Woodland and Grove, width of street is too narrow to support parking on both sides. Currently 0-2 cars parked on Williston Road. Adding parking restrictions would push commuters to park on nearby Streets. Her recommendation was to add parking restrictions in the morning hours to deter commuter's whole day parking.

Norm Seaman of Clearwater Road who is a member of the Lower Falls Improvement Association said this is a project that has been worked on for the past several years. He said at one time there was only a center line on Concord Street and it had been requested that Concord Street be striped as narrow as possible.

Sgt. Norcross told the Committee that the Police Department does at least 200 directed patrols in this area during a year.

Jerome Grafe said he was in favor of a bike lane. He was also in support of the islands. Ms. Wang did not feel there was enough room for a bike lane. David Koses felt islands could cause problems with plows, bicycles, etc. and would not support putting in an island.

Ald. Harney felt this is a very dangerous situation and needs some creativity to solve the problems.

Ald. Sangiolo said we certainly do not want to impede residents from getting out of their driveways.

Ms. Wang reiterated that the street was too narrow for bike lanes; "Share the Road" signs could be used.

Chairman Koses made the following motion: Recommend that DPW consider the following during resurfacing: bicycle signage, reduced travel lanes, striped shoulders. Recommend that the Police Department continue aggressive enforcement of speed limit.

The Committee voted no action necessary 3-1 (Grafe no)

#TC14-09 **CAPTAIN MINTZ**, Newton Police Department, requesting that six (6) parking spaces on the south side of Davis Street nearest Chestnut Street be designated "Police Personnel Only, Mon through Fri, 7:00 am to 5:00 pm" to accommodate parking associated with a transfer of staff from police headquarters to the Chestnut Street annex. (Ward 3)

ACTION: APPROVED 4-0

NOTE: Captain Mintz said that currently there is insufficient parking for the Newton Police Annex. Presently there are 15 parking spaces plus 1 handicapped space. In a typical day, there are 18 to 20 personnel as well as parking needs for 13 vehicles for the department. There are approximately 20 private cars and, in addition to that, there are 13 of the police fleet on the premises plus other bureaus visiting the facility. In the winter this becomes a critical situation. If this is approved, the problem will not be totally alleviated but will certainly help.

Nina Wang wanted to emphasize that this area has very tight parking. Ms. Wang recommended adding six reserved Police parking spaces on the south side of Davis Street.

One letter was received from a resident of 17 Davis Street who is concerned that if six spots are reserved, traffic on the street will increase as people circle the block looking for parking. This letter was in favor of changing the rules on Chestnut Street and not in favor of this petition.

CITY OF NEWTON
IN BOARD OF ALDERMEN
PUBLIC FACILITIES COMMITTEE REPORT

WEDNESDAY, OCTOBER 22, 2008

Present: Ald. Schnipper (Chairman), Lennon, Albright, Salvucci, Gentile and Mansfield
Absent: Ald. Yates and Lappin

Also present: Ald. Brandel, Coletti, Danberg, Freedman, Harney, Hess-Mahan, Johnson, Merrill, Parker and Sangiolo

City personnel present: Clint Schuckel (Traffic Engineer), Lou Taverna (City Engineer), Arthur Cabral (Budget and Project Specialist; Public Buildings Department), A. Nicholas Parnell (Public Buildings Commissioner), Amy Yuhasz (CDBG Planner) and Shawna Sullivan (Committee Clerk)

#342-08 ALD. SANGIOLO, HARNEY AND GENTILE requesting raised crosswalks/intersections at Grove and Cornell Streets and Grove Street and Pine Grove Avenue as approved by the Traffic Council to be funded with the Cabot, Cabot and Forbes Traffic Mitigation Fund for Lower Falls (Ward 4). [07-28-08 @ 11:35 AM]

ACTION: **HELD 4-0 (Lennon and Mansfield not voting)**

NOTE: Ald. Harney and Ald. Sangiolo joined the Committee for discussion of this item. Clint Schuckel, Traffic Engineer, gave a PowerPoint presentation, which included "Traffic Safety & Calming Projects: How to get from Concept to Construction" and Grove Street (attached.) The presentation began with an explanation of how to bring a traffic-calming project to fruition. The presentation pointed out that most streets do not qualify for traffic calming and funding for traffic calming is limited. The Traffic Council came up with traffic calming criteria/scoring to be used, when determining whether a specific street is an appropriate place for traffic calming. The criteria focus on volume of cars, speed of cars, police, and fire ranking, proximity to a school and pedestrian volume. There are three ways that traffic-calming projects are funded; 1) the Mayor could appropriate funds within the budget or allocate Chapter 90 funds 2) via mayor/special appropriation such as parking meter receipts, budget reserve or free cash and 3) other funding sources like CDBG funds, development mitigation funds or as a condition of a special permit project. The traffic-calming projects most likely to move forward in a timely manner are the ones funded through the other funding sources, which are the preferred options and projects with an aldermanic champion.

Mr. Schuckel's presentation also included several examples of completed projects and other projects that are in the pipeline. The examples incorporated recent traffic calming construction costs for curb extensions, speed humps, raised intersections and raised crosswalks. It was very clear that the speed humps were the least expensive option at \$7.5 thousand. The second least expensive option was the curb extensions at \$20 thousand each. The cost of raised intersections and raised crosswalks are driven by the necessity for drainage at the location of the intersection or crosswalk because water cannot flow through them to a catch basin. The raised intersections installed on Woodland Road cost approximately \$60,000 a piece.

Mr. Schuckel gave a history of the request for this project and other projects on Grove Street in Newton Lower Falls. The Traffic Council voted approval of the raised intersections at Grove and Cornell Streets and Grove Street and Pine Grove Avenue (report attached.) Using the scoring criteria for traffic calming projects, Mr. Schuckel came up with 4 points out of a possible 11 points for traffic calming at this portion of Grove Street. It received the maximum number of points for volume and speed but received none for proximity to a school or volume of pedestrians. The project has the support of the three Aldermen representing the ward and funding through traffic mitigation funds from the Cabot, Cabot, and Forbes project. Ald. Sangiolo stated that the intended purpose of a portion of the traffic mitigation fund was for traffic calming in the Grove Street Lower Falls area. There is approximately \$96,016 in the mitigation fund for the Lower Falls improvements.

Ald. Schnipper asked if emergency response vehicles had any problems with the raised intersections that were installed on Woodland Road. Ald. Salvucci responded that a firefighter was injured and the truck's steering column was snapped when it went over one of the raised intersections. It was stated that the accident occurred when the raised intersections were first installed and the Fire Department was unaware that they were there.

Ald. Gentile is concerned that there is not enough money in the mitigation fund for both raised intersections. Mr. Schuckel stated that the intersections on Grove Street might cost less, as the city now has some experience installing raised intersections. The Chair requested a more accurate estimate for the raised intersections and an absolute figure on what is in the mitigation fund. Ald. Gentile asked what portion of the cost for improvements at Concord, Hagar and Grove Streets the city is paying. The City Engineer, Lou Taverna, responded that it was his understanding that the improvements were to be completely funded through the mitigation fund. Ald. Albright suggested doing one raised intersection and one raised crosswalk. Mr. Schuckel explained that it is difficult to place a raised crosswalk at an intersection, as it creates turning issues for vehicles.

Several members of the Lower Falls community were present and spoke on the item. Josh Princeton was concerned that if the mitigation funds are not used for the project, it will not be done. Ald. Gentile asked for their thoughts on which intersection of the two would be more appropriate for a raised intersection. Jim Slattery stated that the Grove and Cornell site is more important. Norman Seaman stated that he has done research on traffic calming and learned that traffic calming devices should be spaced 600' to 800' apart to be effective. There needs to be some type of traffic calming at these locations on Grove Street. Mr. Seaman asked if there other less expensive alternatives that would work at either location. He felt that it would be possible to place a raised crosswalk just north of Pine Grove Avenue and a raised intersection at the Cornell location.

Mr. Schuckel stated that speed humps are a more effective alternative and less expensive. However, to install speed humps on a street, it would require an ordinance amendment. Ald. Sangiolo asked if the proposed improvements were to be changed would it have to go back to the Traffic Council. Mr. Schuckel replied that the item is effectively out of the Traffic Council. Ald. Danberg asked if the Fire Department would have any issues with the use of speed humps on Grove Street. Ald. Salvucci stated that there was no way that the Fire Department would be in favor of speed humps at any location. Mr. Schuckel pointed out that there have been many

improvements in construction of speed humps, which make them less detrimental to emergency vehicles.

Ald. Albright moved hold on the item for further investigation of the speed hump alternative, better estimates on the raised intersections and the absolute amount of funding available in the mitigation fund. The Chairman would like a sense of when the information will be available. Mr. Schuckel stated that he would have the information within three or four weeks. The item will be discussed again at the second meeting in November or the first meeting in December.

#343-08 HIS HONOR THE MAYOR proposing that Chapter 25, **Public Works Department**, be amended by adding to **Section 25-1., Office and department established; appointment and removal.**, language designating the Public Works Commissioner as the official empowered to issue trench permits to bring the City into compliance with GL chapter 82A requiring permits for all trenches excavated on public and private property. [09-30-08 @ 4:15 PM]

ACTION: APPROVED 5-0-1 (Mansfield abstaining)

NOTE: City Engineer Lou Taverna joined the Committee for discussion of this item. He explained that ordinance amendment is needed to add language, which designates the Commissioner of Public Works or his designee as the official empowered to issue trench permits. It was decided that the Commissioner was the most appropriate official as the department already handles street opening permits and it makes sense to tie the trench permits to that function. The amendment will bring the City into compliance with the new State trench-safety legislation that will go into effect on January 1, 2009. The new legislation is designed to prevent the public from accessing an unattended trench on both private and public property. The draft amendment to §25-1 of the ordinances is attached, as well as a description of the responsibilities of the permitting authority from the State's Department of Public Safety and Department of Labor, Division of Occupational Safety.

Ald. Coletti stated that he hopes the authority is vested in the Commissioner and not his designee. He is concerned that the trench permits will create timing problems especially in the case of an emergency. He feels strongly that there should be a mechanism to waive the permit if there is an emergency. Mr. Taverna believes that there is a measure within the legislation, which allows emergency work to take place. He will check with the Law Department to make sure that is the case and will provide the Board with that language. (Please see attached FAQ from the State's website.)

The Chairman pointed out that the Board does not have much of a choice on whether to approve the item or not. The change is needed to bring the city into compliance with State law. Ald. Salvucci moved approval of the item, which carried unanimously.

REFERRED TO PUBLIC FACILITIES AND FINANCE COMMITTEES

#355-08 HIS HONOR THE MAYOR requesting authorization to appropriate and expend seventy five thousand dollars (\$75,000) from Budget Reserve to the Public Building Department Accounts for the costs related to the conversion of the boilers at City Hall and the Carr School from oil to natural gas. [09-30-08 @ 4:16 PM]

Grove Street

Docket # 342-08

Request for speed tables
at Cornell Street and Pine Grove Avenue

Docket Item History

- 21-05(2): Request for radar signs (your speed is)
 - PS&T agenda
- 21-05(3): Grove @ I-95
 - Restriping with permission of MassHighway done
- 21-05(4) Grove @ Hagar traffic calming
 - 3/21/07: PF recommended trial without stop signs
- 21-05(5): Concord @ Hagar traffic calming
 - PF recommended redesign with traffic islands
- 210-07: Grove @ Hagar request for stop signs
 - 6/28/07: Traffic Council denied 4-0. Board overturns

1. Grove St at Pine Grove Ave



1. Grove St at Pine Grove Ave



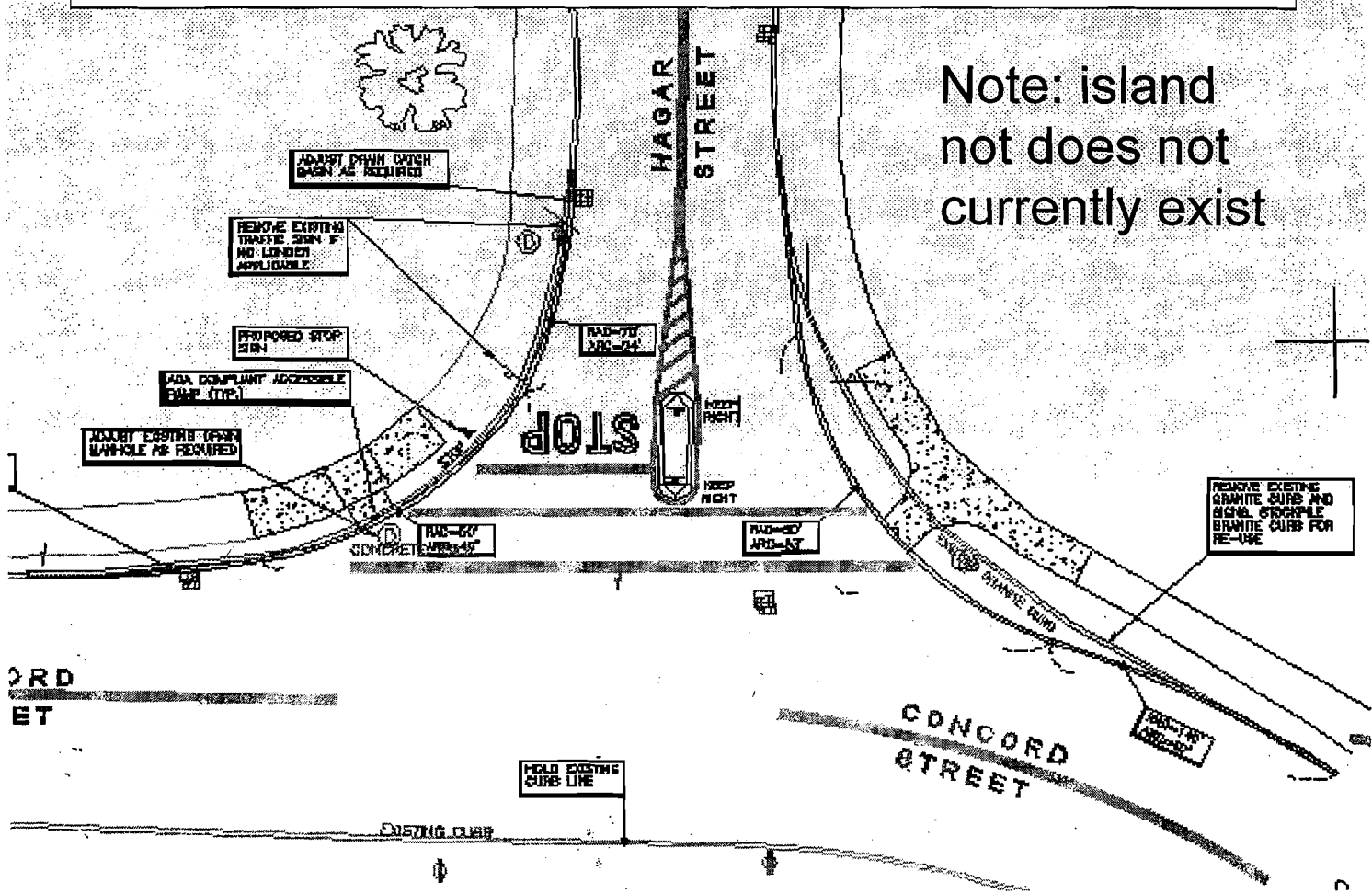
2. Grove St NB at Cornell St



2. Grove St SB at Cornell St



4. Grove St SB at Cornell St



Note: island not does not currently exist

Grove St Traffic Calming Score

<u>Area (SCORE)</u>	<u>OBSERVED</u>	<u>MAX</u>
• Volume (2)	4,400/day	(2)
• Speed (2)	10 mph over limit	(2)
• Police (0?)	crashes, tickets	(2)
• Fire (0)	response times	(5)
• School (0)	near a school	(3)
• Other peds (0)	<10/hour max.	(2)

TOTAL: 4 points (11 max)

Grove Street repaving

- Concord & Hagar
 - Water line rehab & paving 2008
- Grove St
 - Water line rehab & paving 2009
- Should render final decision in next 6 months so any changes can coincide with repaving

City of Newton



**DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION
OFFICE OF THE CITY ENGINEER
1000 Commonwealth Avenue
Newton Centre, MA 02459-1449**

David B. Cohen
Mayor

November 14, 2008

To: Public Facilities Committee

From: Lou Taverna, City Engineer

Subject: Items # 342-08 and #321-04(2),
Cost Estimates for Speed Humps, Raised Crosswalks, Raised Intersections, and
Traffic Calming Improvements

08 NOV 14 PM 3:07
CITY CLERK
NEWTON, MA 02459

In response to your request during discussions at the Public Facilities Committee meeting of October 22, 2008, Public Works has developed some estimated costs of the construction of speed humps, raised crosswalks, raised intersections, and traffic calming improvements. The costs assume construction by City of Newton Public Works crews.

Speed Humps:

The cost estimate for speed humps, which were reconstructed on Tyler Terrace in 2006, was \$7,500 each. Note that speed humps are currently only allowed on Tyler Terrace and Clark Street per ordinance.

Raised Crosswalks:

The cost estimate for the raised crosswalk on Middlesex Road at Brimmer and May was \$25,800, as prepared by McMahon Associates, the engineers from Brimmer and May. The actual cost of the raised crosswalk on Middlesex Road constructed by Public Works was \$34,700. This included drainage improvements (catch basin and drain pipes), sidewalk regrading, ADA ramps, and curbing. There were extensive sidewalk modifications to meet ADA slope requirements, which were not anticipated in the original estimate. This was the first raised crosswalk constructed by Public Works crews, and there was a learning curve. There was a mix of construction materials, including asphalt slopes, stamped concrete crosswalk, and granite curb crosswalk edging. Brimmer and May contributed \$25,800 to the construction effort.

Raised Intersections:

The cost estimate for the raised intersection on Woodland Road at Cheswick Road was \$20,000 (plus another \$20,000 for the intersection of Woodland at Lake), and was prepared by Engineering Division. The estimate was made long before the Public Works crews had ever constructed a raised intersection or crosswalk, and was based on time and material. The actual cost of the raised intersection constructed by Public Works was \$60,000. (The actual cost of the raised intersection on Woodland at Lake was not tracked.) This cost included drainage improvements (catch basin and drain pipes), sidewalk regrading, ADA ramps, raised manhole

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Ltaverna@newtonma.gov

castings, and extensive curbing and sidewalk improvements, which were not anticipated in the original estimate. This was the first raised intersection constructed by Public Works crews, and there was a steep learning curve. There was a mix of construction materials, including asphalt slopes, stamped concrete intersection table, granite curb crosswalk edging, and stamped concrete crosswalks. Lasell College offered \$20,000 for the construction effort, which has not yet been collected.

Traffic Calming Improvements:

The cost estimate for the traffic calming improvements on Grove at Hagar and on Hagar at Concord is \$30,000 total. This includes a new granite curb traffic island on Grove at Hagar, and a scored concrete traffic island on Hagar at Concord. Public Works has not estimated the cost of additional traffic calming measures on Concord St (torpedo-shaped granite traffic islands in the center of the roadway), as these have not yet been approved by Traffic Council. Actual costs are not yet available.

The cost estimate for the traffic calming improvements on Daniel St at Jackson St is \$25,000. This includes a new granite curb traffic bump out, and drainage improvements (catch basin). Actual costs are not yet available.

08 NOV 14 PM 3:08
CITY CLERK
NEWTON, MA. 02159

Summary:

For future estimates, we present the following:

- Speed Humps (without drainage improvements) = \$7,500 each (no contingency needed).
- Raised Crosswalks (with drainage improvements) = \$25,000 each + 20% contingency = \$30,000.
- Raised Intersections (with drainage improvements) = \$50,000 each + 20% contingency = \$60,000.
- Traffic Calming Improvements = varies on a case by case basis, currently averaging \$25,000 to \$30,000.

- Cc: T. Daley
- D. Turocy
- C. Schuckel