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## Memorandum

**TO:** Board of Aldermen

**FROM:** Alderman-at-Large David W. Deane

**DATE:** January 18, 2011

**SUBJ:** Liaison Report from Board of Public Works Meeting – January 10, 2011

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Colleagues,

Attached please find my liaison report from the January 10, 2011 Board of Public Works meeting. All items appearing on the attached agenda were approved with the exception of the grievance and the parking ordinance which were tabled.

Thank you.

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Attachments

**Board of Public Works Meeting of January 10, 2011**  
**Agenda**

A regular meeting of the Board of Public Works is scheduled for Monday, January 10, 2011 at 3:45 p.m. at the Division of Public Works, Administration & Engineering offices located at 9 Riverside Street, Nashua, New Hampshire.

**I. Motion:** To approve the Agenda as presented.

**II. Motion:** To approve the Minutes of the Board of Public Works meeting of December 13, 2010.

**III. Aldermanic Referrals- O-10-46-AMENDING THE HOURS OF USE OF DESCHENES OVAL, BICENTENNIAL PARK AND MONUMENT PARK**

**IV. Public Comment**

**V. Public Session -AFSCME Grievance #10-17**

**VI. Parks & Recreation Department**

**A. Motion:** To approve the purchase of a 2011 F350 four wheel drive pick up truck with the plow and hitch package from John Grappone Ford of Concord NH for the sum of \$24,621. This purchase is off the NH State Bid NH Specification 2011-44. Funding is available in account number 599-68045-0-9858- CERF

**B. Motion:** To approve the purchase of a 2011 Ford Fusion Hybrid automobile from Colonial Ford of Plymouth MA for the sum of \$25,498. This purchase is off the NH State Bid NH Specification 2011-100. Funding is available in account number 599-68045-0-9858- CERF in the amount of \$15,750 and \$9,748 from 2010 Energy Grant account number 373-68045-0-7207-7002

**C. Informational:** Thank You letter from the Great American Downtown regarding the 2010 Downtown Stroll.

**VII. Engineering Department**

**A. Motion:** To approve the Residential Wastewater Service Permits and Fees as submitted.

**B. Informational:** Update on Stormwater and Drainage Program.

**C. Motion:** To allow the City to award the construction contract for the North Generator Stack Modifications project to Waterline Services, LLC in the amount of \$47,777.00. Funding for this contract will be through account number 792-01310-3799 Capital Improvements –Wet Weather Treatment Facility, Construction (North Generator Stack Modification).

**D. Informational:** CSO Quarterly Report to EPA on compliance.

**VIII. Solid Waste Department**

**A. Motion:** To approve the hiring of Mr. Victor Rezendes of Nashua, NH to the position of Equipment Operator, Landfill at the Solid Waste Department. Starting salary for this position will be \$22.05 per hour for a yearly salary of \$45,864. Funding for this position is found in the Solid Waste Department budget in 801-11595-8100-8200.

**IX. Wastewater Treatment Facility**

**A. Motion:** To approve the User Fee Warrants as presented.

**B. Motion:** To approve the selection of Mr. Philip Fote, for the position of Collection System Operator at the Wastewater Treatment Facility. Starting rate of pay is \$21.86/hr or \$45,486.33/year. Funding for this position is located in the FY2010 Wastewater Budget # 802-11157-8330-8700.

**X. Street Department**

**A. Motion:** To approve the following Pole License Petition: Pole License 21-1065 for one pole located on Gilson Road.

**XI. Administration**

**A. Informational:** Overall Status of the Broad Street Parkway

**XII. Director's Report**

**XIII. Commissioner's Comments**

**Board of Public Works Meeting of January 10, 2011**  
**Directors Report**

**Engineering Department**

- **(PHOTOS) Net Metering Project.** Contractor has installed the underground utilities, new poles, a transformer, and the net metering equipment in the Energy Recovery Building. Everything is expected to be completed early January and would be followed by startup testing, adjusting the settings, and staff training on the operation and maintenance of the equipment. Substantial completion was extended to January 31<sup>st</sup>, but it may be achieved earlier.
- **Sewer Video Program.** An effort is currently underway to identify all sewers, primarily in the inner City area, that have been videoed and the streets still in need of video work. Additional video work will be requested following that task, and will be based on geographic proximity in order to most efficiently implement this program. Additional video work has been requested to address numerous sewer problems and potential pipe collapses. Some videos have been received and are currently being reviewed.
- **(PHOTOS) CSO 005/006 Drop Over Structures.** Park Construction has completed the East Hollis Street structure. The contractor is currently cutting the sewer pipe on Crown Street inside the structure so it will be an operational overflow structure. Remaining work inside that structure includes epoxy coating of the inside. Road work restoration at both sites will resume in the spring time. Substantial completion inspection occurred on December 30<sup>th</sup>.
- **Sludge Dewatering Project.** Wright-Pierce has completed the 100% plan set. Putting out the bid is awaiting a decision by the City on whether this project is funded by an SRF loan. The City has recently requested to the manufacturer of the sludge dewatering equipment, Huber, to lock in the prices quoted in 2010 for the new equipment to avoid a further price increase in 2011 as is commonly done by most equipment manufacturers.
- **North Generator Exhaust Pipe Project.** Bidding for this project began on November 29<sup>th</sup> and bids were opened up on December 20<sup>th</sup> and submitted for approval at BPW meeting on January 10<sup>th</sup> followed by Finance Committee approval on January 11<sup>th</sup>. Construction should begin in late January/early February 2011. When built, the exhaust stack fumes will exit the building above the roofline, which will minimize the possibility of exhaust fumes from entering the office building.
- **(PHOTO) Sluice Gate at CSO 006.** Testing of equipment was completed, however modifications to some instrumentation was required. Staff training has been delayed to week of January 3. Delivery of generator that will provide power during electrical outage is anticipated for the week of January 3. Punch list items remain.
- **Aeration Blowers and Aeration Tanks – Secondary Clarifiers Upgrades Project.** Woodard & Curran (W&C) has recently completed the blower study and is working on the preliminary plans. The City has selected one manufacturer of aeration blowers for this project based on life-cycle costs and Plant preference. The final aeration blower study has been sent to NHDES for their approval to sole source the aeration blowers.
- **Harbor Avenue Area Sewer Separation.** Continuing to work with property owner on easement for drainage outfall. 90% design submitted in December, currently under review.
- **Miscellaneous Sewerage Improvements 2009, Phase 2.** Merrill Construction has completed the sewer installations and base coat paving on Main, Amherst, Wilder, Holman and Martin/Tolles intersection. The other utility companies, National Grid and Pennichuck Water Works have completed their utility work on these streets. The final top coat paving will take place during the spring of 2011, and the sewer and other utility work on Beech Street will also take place next spring.
- **Haines Street Sewer Separation.** Paperwork related to project closure is being completed. Some additional items requested to satisfy the ARRA requirements are being gathered.
- **Stormwater Improvements 2010.** Loaming and seeding in some locations to be completed in the spring.
- **Harris Brook at Northeastern Blvd Drainage Improvements.** A meeting was held with the property owners at 77 and 85 Northeastern Boulevard to review easements needed for the Harris Brook at Northeastern Boulevard Drainage Improvements project. Concerns were raised by the owner of 77 Northeastern about installing a detention pond on their property. Consideration is being given to replacing the proposed detention pond with a pipe.

- **Rotary Common Phase II.** Phase II plans completed by Louis Berger remain at 75 percent complete.
- **CSO Post Construction Monitoring Plan.** The City submitted the Post Construction Monitoring Report to the EPA and NHDES on December 23, 2010.
- **Storage Facilities for CSO # 003 and # 004.** Continued to review various alternative sites/projects that may improve water quality within CSO 004 area. Need to submit a proposal to EPA detailing alternatives to be pursued.
- **Wet Weather Flow Treatment Facility.** Change Order # 3 being finalized. AECOM to finalize Operations and Maintenance Manual and Record Drawings in January/February.
- **Sidewalk Program - Lund Road and South Main Street.** Winter shut down. Remaining punchlist work to be completed in the spring.
- **Sidewalk and Pedestrian Safety Improvements.** Installed striping and delineators at East Hollis and C Street intersection. Adjustment by traveling public to street narrowing has been difficult and therefore, it has been determined that bump outs should be modified. This work to occur in January.
- **Sidewalk Program - South Main Street Phs 2 and Conant Road Phs 2.** Continuing design efforts for a sidewalk contract that is to begin in spring of 2011.
- **Sidewalk Program – Main Street Bridge.** Developing median options, researching use of granite for Main Street Bridge.
- **Safe Routes to School.** Submitted for review and approval the procurement contract and categorical exclusion application for Bicentennial School Safe Routes project. Submitted a commitment letter regarding inspection services for Ledge Street construction, awaiting authorization to bid. Working on revised plan for Birch Hill School.
- **FY10 Paving Program.** Work has been completed with the exception of minor punch list items.
- **Route 101A Widening.** Engineering has developed an estimate for the final design of Phase I of the project (Widening from Sunapee St. to Blackstone Dr; Signal Upgrading and ROW Acquisition from Somerset Parkway to Celina Ave). The estimate will be used in negotiations with the consultant.
- **(PHOTO) Stormwater Utility Feasibility Study.** The GIS impervious layer that was generated from the spring flyover was made available to the consultant for inclusion in the study. The square footage of imperviousness of each parcel in the City has been compiled. Discussion continues concerning participation in the Stormwater Utility Development Workshop which will include input from members of the public. A project status report has been requested by NHDES, which is providing the funding through a grant.
- **Newton Drive Flooding.** A duck bill type tide gate is on order for the outfall to prevent a backwater effect from the Nashua River in the low-lying drainage system that serves the Riverside Gardens residential complex. Wastewater will install the unit in catch basin.
- **Hunt Memorial Library Drainage.** Meeting held with John Pietroniro to review project. Meeting scheduled with Cram & Ferguson on January 5 to discuss areas where there is overlap between the building improvements project and the water infiltration project. Work continues towards completion of the bid plans and specifications.
- **Mine Falls Boat Launch.** At the January 4 Conservation Commission meeting, the project will be presented as an informational item. NHDES Wetlands confirmed the wetlands permit acquired as part of the Mine Falls Park Phase III Improvements will not expire until 9/29/2011. Design plans are being reviewed and final construction bid plans and specifications are being completed. Possible lot line relocation may be needed to include boat ramp within the limits of Mine Falls Park.
- **(PHOTO) Infiltration/Inflow Removal.** As part of the EPA CSO Consent Order, point discharges identified in the Infiltration/Inflow Analysis Study contribute excessive inflow to the sanitary sewer system and must be removed. A storm drain was constructed near 5 Progress Ave to disconnect a catch basin from the sanitary sewer. At 1 Forest Hills Drive, a two chamber leaching system was constructed to disconnect a catch basin located at 1 Forest Hills Drive from the sanitary system. In addition three private sources of inflow were identified for removal in the I/I Study. Letters have been sent requesting that these sources be disconnected. Coburn Woods has completed their disconnection and 5 Progress Ave and 35 Progress Ave have hired firms to aid in designing their reconfigurations.
- **Manchester Street Bridge Replacement Project.** The consultant is working on Amendment #3. The work involves producing additional plans prior to holding a public meeting and follow-up meetings with cultural resources agencies. The public meeting is being organized and expected to be held this winter.

- **Construction Inspection.** Projects that are being inspected by Engineering include:
  - 125 Pine Hill Road – 360 LF of new 8” sewer main
  - Dick’s Sporting Goods – new private sewer main at Pheasant Lane Mall
  - YMCA
  - 7 Coliseum Avenue – new sewer service connection to existing sewer system
  - CSO 005/006 Drop Over Structures
  - 2009 Phase II Sewer Rehabilitation
  - Sidewalk and Pedestrian Safety Improvements
  - Miscellaneous Sewerage Improvements 2009, Phase 2
  - Gagnon Farms
  - Exit 8 Bus Terminal
  - Dartmouth Hitchcock - Sewer and drain
  - Muldoon Center, Rivier College, drainage
  - Kincaid Lane- water, sewer connections on New Searles Road
  - Lehoullier Subdivision
  - Various sewer connections
- **Street Acceptances.** Smithfield Terrace was approved for acceptance at the last Infrastructure Committee meeting. Certain streets presented earlier for approval are being held because of deficiencies that developed. These streets include Sugarberry Drive and Hydrangea Road. The owner has completed all work on Sugarberry Drive with the exception of a dead-end sign. Once that is complete, that street will be ready for final acceptance.
- **Tolles/Courtland Intersection Improvements.** A neighborhood meeting conducted by the Mayor and assisted by members of Engineering was held on October 30. Engineering is working with the Traffic Department on action items from that meeting. A follow-up neighborhood meeting is being scheduled for January 15<sup>th</sup>.
- **(Photo) Burke St Guardrail at Arlington St.** The guardrail at this intersection has been replaced.
- **(Photo) Majestic Heights.** The City entered an agreement with Grapevine Builders, LLC to complete a punch list by June 1, 2010 with a posted bond of \$35,000. With Grapevine Builders’ inaction, the City is planning on correcting the punch list items with the forfeited funds. The highest priority punch list item is for a guardrail next to a steep drop near 49 and 51 Majestic Ave. This guardrail has been installed. Engineering is planning for the completion of the remaining items.
- **CNG Station.** Engineering is developing plans for the installation of a fueling station at 9/11 Riverside St. Survey is complete and different layout options are being examined.
- **Yudicky Dog Park.** Survey of the existing trail system has been completed and a plan delineating the fence line of the dog park has been agreed upon between the DOG group and the mountain bike organization. Alternatives for parking still need to be evaluated.
- **Site Development Review.**
  - **Nashua Airport** – Gale Associates submitted plans for review. The review has been completed and comments have been sent to the engineer. Updated plans are expected January 3<sup>rd</sup>. They are hoping to get Planning Board Approval on January 6<sup>th</sup>.
- **Private Development Bond Reductions.** There are multiple bond reduction requests that are being processed.

### **Solid Waste Department**

- **Collections** – The Solid Waste Department picked up overflow of trash and recycling during the last week of December. Christmas trees will be picked up at the curb during the first two weeks of January. The last week of December is the heaviest trash week of the year.
- **CNG Trucks and Station** – The City is currently negotiating a contract with AVSG to build a CNG station behind the Transit building on Riverside Street. The purchase of the trucks has been approved by

the Board of Alderman. The Solid Waste Department hopes to place an order for the trucks in the next couple of weeks.

- **Household Hazardous Waste-** The dates for the 2011 Household Hazardous Waste collection events to be held in Nashua at the Street Department were established at the District meeting: Saturdays April 23, May 7 (in Milford), August 6, October 1, November 5, and one on Thursday June 2. The US Drug Enforcement Agency announced that they will sponsor another “Take Back” drug collection, to be held on Saturday April 30, 2011.
- **Nashua Recycling Center** – Shipments from the Nashua Recycling Center during December included 405 tons of single stream recycled materials, 36 tons of electronic waste, 14 tons of scrap metal, 302 tons of unclean C & D, 353 fluorescent lamps, and refrigerants from 123 appliances. In addition, more than 20 tons of textiles, books and tires, as well as one box of rechargeable batteries, 1010 gallons of waste oil and 50 gallons of antifreeze were shipped from the Nashua Recycling Center during the month. 27 recycling bins were given to 17 residents, including 3 newly constructed houses. 5 trash carts were given to residents as a replacement or exchange.
- **Landfill Permits** – The Solid Waste Department has sold approximately 1,798 residential and 76 commercial 2011 landfill permits to date.
- **Routing** – The City is finalizing the routes created by RouteSmart. The Routes will be finalized in January and will be implemented in the spring.
- **Gas Collection-** the Solid Waste Department is soliciting bids from qualified engineers to design and permit the next expansion of the gas collection system in the lined landfill. We anticipate installing the initial layer of horizontal collectors in the Phase II landfill and some additional wells in the Phase I landfill to further control fugitive emissions and odor. We are planning to begin construction in the spring.

## **Street Department**

- **Roadside Brush/Litter** – Crews continued working on roadside brush in an effort to clear sight visibility issues. The early part of December is a good time to catch up on brush and litter before the snow falls and covers everything up.
- **(PHOTOS) Emergency Sewer Service Connections** – Believe it or not at one point in the month of December there were more emergency sewer service requests than inches of snow – 5. The Street Department also performed repairs on Verona Street and Palm Street. The Bobcat is pictured hammering through the street and frost. Crews had to dig under the water main for the replacement on Trinity Drive. Repairs were also done on Verona Street and Palm Street.
- **(PHOTOS) Plowing Equipment** - This year the two backhoes were fitted with plows to add to the current fleet. The two new sidewalk machines also arrived this month. They were fitted with both a blower and new angling V-plows.
- **Winter Storm Events** – December was a quiet month as there were 3 sand/salt events and only one plowing event. The total combined snowfall by month’s end was 12.25 inches.
- **(PHOTO) Blizzard** – The first snowstorm of the year came in as a blizzard warning. The storm dropped 11 inches of snow combined with wind gusts of 40-50 mph. Winds continued to blow days after the storm creating snow drift problems.
- **Snow Emergency** – The City of Nashua declared its first snow emergency of the season which started at 10:00 PM on Dec. 26<sup>th</sup> and continued through the night until 9:00 AM on Dec. 27<sup>th</sup>. Towing was not a major issue as the notice was put out well in advance of the pending blizzard and the emergency snow beacons operated as expected.
- **(PHOTO) Snow Removal** – The Street Department moved snow out of the downtown area before the New Year holiday weekend.

## Traffic Department

- **Ordinance for Traffic Signal and Stop Signs.** There is an ordinance (0-10-47) assigned to the Infrastructure Committee with the intent of updating all of the City's traffic signal and stop sign locations in the Code of Ordinances.
- **Ordinance for No Parking on Depot Road.** There is an ordinance (0-10-46) assigned to the Infrastructure Committee for No Parking on Depot Road.
- **(PHOTO) Capitol Improvement Projects for Replacement of Steel Mast arms on Main Street.** The Traffic Department scoped out and added a project to the Capitol Improvements Program to evaluate the steel mast arms on Main Street and prioritize the replacement of these old steel mast arms with new galvanized mast arms.
- **(PHOTO) Mailbox Repairs/Replacements.** The Traffic Department has begun replacing and repairing mailboxes damaged or missing from the December 2010 snow storm.
- **(PHOTO) Truck 40 Retrofit for Snow Plowing.** The Street Department coordinated a retrofit of the Traffic Department's sign truck (truck No. 40) so that it could be used as part of the City's fleet to plow snow.
- **CMAQ – City Wide Traffic Signal Project.** The Traffic Department is working with the Engineering and Information Technology Departments in reviewing qualifications packages submitted by consulting firms for the City Wide Traffic Signal CMAQ Project. The next step is to create a short list of firms that will be asked to submit technical proposals.
- **Mount Pleasant School.** The Traffic Department has participated in a recent neighborhood meeting reviewing the traffic and parking in the vicinity of the Mount Pleasant School. The Traffic Department has replaced no parking signs along the east side of Abbott Street in the back of the school and added actual Pedestrian Crossing Signs at Orange and Concord Street.
- **Courtland and Tolles Street.** The Traffic Department has been reviewing suggestions, recommendations and concerns discussed at the neighborhood meeting for Courtland and Tolles. The Traffic Department is trying to come up with some deterrents to help discourage traffic from using Courtland and Tolles as a cut through route without adding more pressure on major intersections such as Canal Street and Main Street (Library Hill).

## Wastewater Department

- **Operations Section:** Preparations underway for sludge piston pump rebuild. Cleared another blockage in grit system screw conveyor. Performing temporary repairs to sludge conveyor drip pans and seeking bids for conveyor belt seam repair.
- **Maintenance Section:** Continuing replacement of raw sewage pump components-volute and wear ring. Replaced and reprogrammed Panelview for pump building. Monitoring performance of reverse switches to Watson St. P.S. pumps to minimize clogging occurrences. Completed preventative maintenance to all auxiliary generators at wastewater pumping stations. Awaiting training sessions on net-metering initiative.
- **Laboratory Section:** Continued updates to charts. Continuing population of HACH database data fields with analysis results. Prepared sampling apparatus in anticipation of wet weather activations, this includes labels, bottles, and telescoping tools.
- **Collection Systems Section:** Video inspections to document pipe conditions in anticipation of replacement projects are on-going. Continuing inspections to determine sink hole/sanitary or storm water relationships if any.
- **Misc.** Continuing data retrieval and consultation with engineering firm for upcoming aeration blower replacement project. Net metering construction awaiting delivery of safety switchgear-anticipated mid December, materials stored in temporary staging area. Contractor pulling conductors and completing terminations.
- Completed review and comment for Post Construction Monitoring protocol to document and report performance of CSO modifications.



- Reviewing report submitted by Jordan Institute.
- Wet weather activation on December 12.

## **Parks & Recreation Department**

- **(PHOTO) Rotary Pool:** Specifications have been written for resurfacing the pool and replacing the 10 skimmers. A purchase request is going out this month.
- **(PHOTO) Biddy Basketball:** The 2010 / 2011 season is in full swing. Games are underway; we are almost at the ½ way point in the season.
- **Holman Stadium Schedule for 2011:** A press release on December 16<sup>th</sup> announced the proposed agreement between the city and the Futures Baseball League. The team is sponsoring a name-the-team contest on line and on face book. You can suggest team names until January 15<sup>th</sup>. The top 3-4 names will be voted on by the 4<sup>th</sup> grade classes in all of the elementary schools. There have also been discussions with concert promoters to determine the possibility of doing 3-4 concerts at the stadium next summer.
- **(PHOTO) Park Planning For The Labine Building :** Final design and a final public meeting of the park design will be occurring. Construction is expected in the spring with completion scheduled for August.
- **Winter Training:** The department was able to take advantage of training opportunities this winter, by sending employees to courses on Backs and Lifting, Snow Plowing Operations, and Flagger certification.
- **Toys for Tots Program:** The department participated in transporting toys from the Marine reserve base in Londonderry to the Health Department. 5 truck loads of toys were delivered for distribution.
- **(PHOTO) Camps:** Planning for the 2011 camp season is beginning. Ideas for new camps and new venues are being investigated and formalized.
- **Winter Projects:** This winter work is being done on constructing dug out roofs for some of the baseball fields in the city, as well as a loft and shelving for the new storage building on Artillery Lane
- **(PHOTO) Rinks:** Lack of snow has set back winter skating rinks this winter but the rink at Roby Park is in full operation and is seeing heavy use this winter.
- **(PHOTO) Stellos Stadium Turf Replacement:** A Consulting / Engineering firm has been selected to work on the specifications for turf replacement at Stellos Stadium. It is the hope of the School Department to select a vendor this spring and to start the replacement work in mid June with the goal of completion no later than mid August.
- **2011 Project Planning:** The Department will be laying out work plans this winter for next years projects. These projects include the relocation of the boat ramp on the Nashua River at Mine Falls Park. The installation of new playground equipment at Bulova Park. Continuing with parking and sewer improvements on Artillery Lane. Replacing the skimmers and resurfacing Rotary Pool.

## **OVERALL STATUS OF THE BROAD STREET PARKWAY PROJECT**

- Federal Highway Administration's (FHWA)'s review of the Environmental Re-Evaluation Study is complete and an updated Record of Decision has been issued.
- A Memorandum of Agreement between the City of Nashua, New Hampshire Department of Historic Resources (NHDHR), New Hampshire Department of Transportation (NHDOT), and Federal Highway Administration (FHWA) defining steps to be taken to mitigate impacts to historic resources has been completed and approved.

## **IMPORTANCE OF THE RECORD OF DECISION**

With the release of the Record of Decision, federal funding earmarked for the project is now available.

## **EARLY PRIORITIES FOR CONSTRUCTION**

- Boiler House Demolition

*A meeting was held on December 9, 2010 to review the 90% Design Plans and Bid Document Submission prepared by Credere Associates.*

*In attendance were representative of the City, NHDOT, HSI and Credere Associates.*

*Noting the complexity of this asbestos abatement and building demolition contract, review comments focused on provisions that can be added to the documents to maintain as much control as possible over change orders should unanticipated conditions be encountered.*

*Credere Associates is incorporating revisions to their documents and will be completing additional work on site in order to address the review comments.*

*Credere has made a progress submittal (December 24, 2010). Their complete revised submittal is expected January 10, 2011.*

- Pine Street and Palm Street Improvements

*The final design of improvements to Pine Street and Palm Street has commenced.*

*Construction is anticipated to begin in late spring 2011.*

- Millyard Chimney

*It is anticipated that International Chimney will be onsite to remove the top 20 feet of the chimney in January 2011.*

After demolition of the Boiler House, it is anticipated that a contract will be advertised for rehabilitation of the chimney. The work will include repointing joints, reconstruction of the top 20 feet and restoration of lightning protection.

## **STATUS OF THE PROJECT DESIGN**

Following completion of ongoing coordination with NHDOT and FHWA, a Request for Qualifications will be prepared for selection of the Final Design consultant. To date, the alignment of the Parkway has been designed only to the extent where impacts to various environmental resources could be identified.

Significant work remains:

- Drainage systems and provisions for stormwater management must be designed and permitted.
- Bridge designs must be prepared including detailing of all components.
- Opportunities to use Design/Build contracting will be evaluated.
- Final design of the tie-in of the new Parkway to existing roadways and features is needed. Notably this includes tie-in to the existing access roadways in the Millyard.
- Geotechnical studies are needed for final design of pavement, bridge and wall structures.
- Design of the various elements is required to address environmental impacts as described in the Environmental Re-Evaluation Study.
- Final design of roadside slopes is needed to finalize the extent of property that must be acquired.
- Signalization and traffic management design is needed.
- Bid documents for various contracts must be prepared.

## **STATUS OF THE RIGHT OF WAY ACQUISITION**

There are several aspects of the project related to right-of-way acquisition for which the extent of unknown information leads to uncertainty with respect to the budget and schedule:

- *The project has acquired 40 Pine Street and the building was removed during December 2010.* Offers have been made for several parcels adjacent to the railroad between Broad Street and Baldwin Street, as well as 44 Broad Street.
- Until appraisals of property values and relocation costs are prepared, the total cost of right-of-way acquisition is uncertain.
- The current budget is based on NHDOT information carried forward from 2003.
- Property needed for the project includes parcels that are needed in entirety, as well as parcels where only a portion of the property is needed.
- Most of the full parcel acquisition has been completed. Many partial acquisitions cannot commence until further design development occurs.

- NHDOT and their consulting appraisers are working on appraisals for high priority total acquisitions.

## **OVERALL PROJECT BUDGET**

Following completion of the 2007 Cost Reduction Study an analysis of projected costs led to the conclusion that the cost to complete the project could be \$68.1 million.

Following this analysis, the upper limit of potential City expenditures to complete this project (the difference between cost to complete and available federal funding) was estimated to be \$37.6 million dollars.

As various components of the project continue to be refined, opportunities to reduce overall expenditures continue to be evaluated. However, there are still areas where costs cannot be determined until further coordination and design development occur. These allowances include costs associated with mitigating subsurface contamination, relocating utilities, acquiring right-of-way and obtaining necessary permits.

*Costs based on the methodology used previously to establish the budget in 2007 dollars are being used as a baseline of analysis.*

*Generally the budget is consistent with the baseline previously established in 2007 dollars using the same methodology. Current cost projections are anticipated to be \$46 million before adding allowances for contingencies. This compares with \$45.8million previously projected for Option 2.*

*With application of the previously described allowances to address costs that may be incurred due to presently unknown concerns, it appears reasonable to conclude that the maximum level projected for City funding will not be exceeded. With these allowances, the total in 2007 dollars rises to \$49.6 million.*

*Applying conservative inflationary projections to the 2007 estimated project budget results in a total estimated cost of \$67.3 million. This total is less than the previous projection of \$68.1 million.*

## **ENVIRONMENTAL MITIGATION**

There are several aspects of subsurface contamination for which there are uncertainties with respect to budget and schedule.

This includes subsurface contamination within the Millyard as well as buried asbestos material at several locations within the project area.

Efforts are underway to compile records from NHDOT files to document the extent of past investigation and define the scope of work remaining.

## **UTILITY AND RAILROAD COORDINATION**

This project includes significant impacts to utility and railroad facilities within the project area. Efforts to update previous coordination by NHDOT (performed in 1999 to 2002) have been initiated. All utility owners have been contracted and one-on-one meetings have commenced to discuss implication of the project to the existing utility infrastructure.

*Meetings have been held with owners of water, gas, power and telephone utilities. Coordination necessary for the early Pine Street and Palm Street contract has been prioritized.*

## **PUBLIC MEETINGS**

Between June 2007 and August 2010, there were eight public meetings that focused on progress of the Parkway Supplementary Analysis; the Cost Reduction Study; and the ongoing Environmental Re-Evaluation.

These meetings are summarized in an August 12, 2010 memorandum prepared by Nashua Regional Planning Commission (NRPC).

In addition, Mayor Lozeau and Project Manager John Vancor attended the Aldermanic Infrastructure Committee meeting on March 10, 2010 to discuss the acquisition of 40 Pine Street for the project.

Leon Kenison, P.E., Director of Public Works and Stephen Dookran, P.E., City Engineer attended the Aldermanic Infrastructure meeting on May 12, 2010 and discussed several aspects of the project.

The Parkway project has also been discussed at several meetings of the Board of Public Works.

The Aldermanic Infrastructure Committee held a meeting which included a walk of the route of the portion of the project south of the Nashua River on September 25, 2010.

A joint meeting of the Planning and Economic Development Committee and the Business & Industrial Development Authority (BIDA) was held on December 7, 2010. The meeting focused on redevelopment of the former Mohawk Tannery site.

Project Manager John Vancor attended Aldermanic Infrastructure Committee meetings on October 13, 2010 and *December 8, 2010* to provide an update on several aspects of the project.