



23

COMMUNITY MITIGATION FUND

2023 Transportation Construction Grant Application

Bid No. Bid No. BD-23-1068-1068C-1068L-81256

All completed applications must be sent by January 31st to be considered for funding for the 2023 Grant Round. Please submit this completed form as well as any relevant attachments to MGCCMF@Massgaming.gov.

For more detailed instructions as well as the 2023 Application Guidelines please visit <https://massgaming.com/about/community-mitigation-fund/>

I. Project Summary
Legal Name of Applicant: City of Boston / Boston transportation Department
Project Name (Please limit to 5 words): Alford Street/Broadway Signal Upgrades
Amount Requested: \$125,019
Brief Project Description (approx. 50 words): <i>Please use this space to provide a high-level overview of what your project entails.</i>
As agreed between the cities of Boston and Everett, the Alford Street/Broadway Corridor up to Revere Beach Parkway is monitored by the Boston Transportation Department’s Traffic Management Control Center to optimize the flow of traffic created by the Casino along this stretch of roadway. Recent developments require upgrades to traffic management technology at high-traffic locations.

II. Applicant Contact Information
Please provide below the manager for this grant and any other individuals you would like to be copied on all correspondence.
Grant Manager: William H Conroy IV
Email Address: William.conroy@boston.gov
Telephone Number: 617 635-2318
Address: One City Hall Plaza, Boston MA 02201
Contact II: William H Conroy IV
Role: Project Manager
Email Address: William.conroy@boston.gov
Telephone Number: 617 635 2318
Address: One City Hall Plaza, Boston MA
Contact III: Wilson Aleman
Role: Senior Traffic Engineer
Email Address: Wilson.Aleman@boston.gov
Telephone Number:
Address: One City Hall Plaza, Boston MA 02201

III. Detailed Project Description & Mitigation

1) Please describe in detail the impact that is attributed to the operation of a gaming facility. Please provide documentation or evidence that gives support for the determination that the operation of the gaming facility caused or is causing the impact (i.e. surveys, data, reports)

The City of Boston is working to reasonably accommodate traffic generated by the Region 1 gaming licensee, Encore Boston Harbor. Some 70% of the traffic generated by Encore will travel along the Broadway/Alford Street corridor through Sullivan Square in Charlestown, which will affect have a significant impact on these intersections:

1. Broadway at Bowdoin Street - replace controller with a Boston type IP controller unit and install an ethernet switch (there should be a fiber panel according to Casino plans)
2. Broadway at Beacham Street - replace controller with a Boston type IP controller unit
3. Broadway at mid-block pedestrian crossing near Thorndike St - replace controller with a Boston-type IP controller unit, install ethernet switch and install 12 strand fiber to Broadway/Encore Resort (approx. 700’)
3. Broadway at Horizon Way/Mystic Street – replace controller with a Boston-type IP controller unit.

2) *(If applicable)* Please explain how this impact was not anticipated in the Applicant’s Host or Surrounding Community Agreement.

Although the traffic impact along this corridor was anticipated prior to the opening of the gaming facility, the Surrounding Community Agreement, which was developed 10 years ago, did not anticipate the approval of Sportsbook Betting and the recent Notice of Project Change by Encore Boston. These new developments will result in additional impacts which this scope of work is intended to address.

3) Please describe what the Applicant is proposing and how the mitigation request will address the impact indicated.

Upgrading the Signal Controllers and Fiber Connections along the Alford Street/Broadway Corridor will allow the Traffic Management Control Center at Boston Transportation Department to optimize signal timing and phasing. This will create a safer environment for pedestrian crossings and allow traffic and future Bus Rapid Transit to be managed comprehensively.

4) For all Transportation Construction Applications, the applicant should consult with MassDOT and the appropriate regional planning agency to obtain input on the project and identify opportunities for regional efforts. The results of this consultation should be included in this section of the application.

MassDOT has been contacted in regard to this planned scope of work and a support letter is forthcoming.

IV. Scope, Budget, and Timeline

Applicant: City of Boston

Vendor Code: V6000192075

Total Grant Amount Requested: \$125,019

Estimated Total Project Cost: 125,019

Scope of Work

Please include below a breakdown of the proposed work. The project scope should be sufficiently detailed to allow the review team to understand the steps required for project completion.

Task 1.: Data Collection and Traffic Signal Analysis

Traffic counts will be conducted at the signalized intersections along Alford Street and Broadway at the following locations:

- Alford Street at Exelon Mystic Station Driveway;
- Alford Street at Dexter Street;
- Broadway at Horizon Way/Mystic Street;
- Broadway at Thorndike Street Mid-Block Pedestrian Crossing;
- Broadway at Beacham Street;
- Beacham Street at Bow Street; and
- Broadway at Bowdoin Street.

Additionally, a 48-hour automatic traffic recorder will be provided on Broadway.

Howard Stein Hudson (HSH) will enter the signal controller cabinets, take pictures and collect information of the equipment that is provided within each controller, and collect the signal timing

information each controller is programmed with today. HSH will utilize the data collection to develop optimized traffic signal timings along the Alford Street/Broadway corridor.

Task 2: Construction Documents

HSH will request existing traffic signal plans that will be revised to incorporate the optimized traffic signal timings. The construction documents will include 25-75% traffic signal plans and scheduled which will be submitted to BTM for review. Any comments received will be incorporated into the 100%-PS&E Construction Documents.

HSH will work with the City through the duration of this contract to ensure that the City of Boston's requirements with this project are satisfied. We assume there will be up to four (4) virtual meetings to present the proposed work and resolve comments that require discussion, before finalizing the construction documents.

Task 3: Construction Services

HSH will work with the traffic signal contractor to provide a construction cost estimate for the proposed work that includes traffic signal equipment upgrades, fiber wire installation, and signal timing updates.

HSH will also provide construction oversight limited to the signal related work mentioned in this scope of work. The work shall include the review of any required shop drawing submittals for the proposed work and response to any Requests for Information (RFI) submitted by the Contractor. HSH will provide two (2) on-site inspections during the commencement of the work and one (1) final inspection of the completed work. HSH will provide the City of Boston with a Certificate of Compliance once the work has been completed and accepted.

Proposed MGC Grant Budget

Please use the following table to outline the budget of your project. Include any requests for proposals, quotes, or estimates that would quantify the costs associated with the mitigation as an attachment. In determining the funding request, please round up to the nearest hundred dollars.

Please provide the estimate and percentage of the costs projected to be funded from other federal, state, local or private contributions (Applicants may include contributions from gaming licensees).

Please indicate, through a commitment letter or otherwise, how such other funding will be available for the project. In the absence of a final commitment to such funding, please provide detail on any process needed to secure any non-CMF funding.

Timeline	Description of Purchase/Work	QTY	Budget
Summer 2023	Data Collection and Synchro Analysis		\$12,140
Summer 2023	Construction Documents		\$18,575

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Summer 2023	Construction Services		\$7,360
Summer 2023	Travel and printing		\$400
Summer 2023	Traffic Counts (quote from Accurate Counts)		\$7,240
Summer 2023	Traffic Signal Equipment and Retiming (quote from MassBay Electrical Corp.)		\$71,400
Summer 2023	Construction Contingency		\$7,904
		TOTAL:	\$125,019

Funding Source	Description of Purchase/Work	QTY	
In Kind Services			
Federal			
State			
Local Match			

V. Regional Incentive Award	
Are you applying for a Regional Incentive Award?	
<input type="checkbox"/> Yes	<input type="checkbox"/> No

Partner Community Contact-
Name:
Role:
Email Address:
Telephone Number:
Address:

VI. Waiver	
If you are applying for a waiver, please submit the Waiver Form with your application. The form can be found at www.massgaming.com/about/community-mitigation-fund/forms/	
Are you applying for a waiver?	
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No

VII. _ Please provide a brief description of each attachment.
Proposal from Howard Stein Hudson for traffic engineering consulting services, with quotes from third parties

VIII. Applicant Certificate

On behalf of the aforementioned applicant/municipality/governmental entity I hereby certify that the funds that are requested in this application will be used solely for the purposes articulated in this Application.



2023-01-31

**Signature of Responsible Municipal
Official/Governmental Entity**

Date:

Jascha Franklin-Hodge

(print name)

Chief of Streets

Title:



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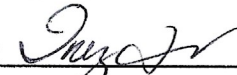
COMMUNITY
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FUND

Appendix D
WAIVER REQUEST FORM
BD-23-1068-1068C-1068L-81256

Any project which proposes to exceed the funding limit for a category or requires a variance from any other provision contained in the Guidelines must submit a waiver request with its application. The Waiver Request Form must set forth the specific provision of the Guidelines to which a waiver or variance is sought and shall state the basis for the proposed waiver or variance. The Waiver should be signed by a municipal official or other government official that has the authority to enter into a contract on behalf of that community or governmental entity.

Name of Applicant:	City of Boston		
Project Name:	Alford Street/Broadway Signal Upgrades		
Type of Grant:	Transportation Construction		
Name and Title of Contact:	Inez Foster		
Email Address:	inez.foster@boston.gov	Telephone:	617-635-3954

Waiver Request:
<p>Fill in here:</p> <p>The Transportation Construction category has limitations on the maximum grant amount and work that involves design. Waivers are requested for the following reasons:</p> <p>The total Project cost is \$125,019 and the work can commence immediately upon award.</p> <p>Upgrading the Signal Controllers and Fiber Connections along the Alford Street/ Broadway Corridor in a timely fashion will allow the Traffic Management Control Center (TMCC) at the Boston Transportation Department to optimize signal timing and phasing, which will create a safer environment for pedestrian crossings. It will also allow existing traffic and future Bus Rapid Transit flow to be managed comprehensively.</p> <p>As stated in this application, the City of Boston and the City of Everett agreed that the Alford Street/Broadway Corridor up to Sweetser Circle (Revere Beach Parkway) would be controlled by Boston's TMCC to optimize the flow of traffic created by the Casino along this stretch of roadway. This cooperative effort with Everett has effectively managed traffic as intended. Although the traffic impact along this corridor was anticipated prior to the opening of Encore ten years ago, it did not factor in the approval of Sportsbook Betting and a Notice of Project Change by Encore. These decisions will result in additional impacts that were not anticipated in the Surrounding Community Agreement. Therefore, design costs are necessary to carry out the project, and time is of the essence.</p> <p>We respectfully request all expenses to be allowed, and if the application is approved, that the full Project cost can be awarded. Granting this waiver request will result in benefits to both Boston and Everett that far outweigh this very reasonable cost.</p>

Signed by:  *Inez Foster*
Title: Director of Resource Development, Intergovernmental Relations, City of Boston



January 30, 2023

William H Conroy
City of Boston
1 City Hall Square
Boston, MA 02201

**Re: 2023 Transportation Construction Grant –
Alford Street/Broadway Signal Upgrades
Traffic Engineering Consulting Services**

Dear Mr. Conroy:

Howard Stein Hudson (HSH) is pleased to provide this letter proposal for traffic engineering consulting services related to the traffic signal work along Alford Street/Broadway – from the Exelon Mystic Station in Boston to Sweetser Circle in Everett – and the 2023 Transportation Construction Grant. As we understand it, the purpose of the Project is to provide needed signal equipment upgrades and signal timing updates made necessary by the Encore Casino being awarded the ability to provide sports betting facilities within its premises. This fact is expected to change traffic conditions along the Alford Street/Broadway corridor in a manner that is different than what was studied before the Casino was built. The Project consists of traffic signal equipment updates at three Broadway intersections that include controller upgrades, ethernet switches, fiber panels (as needed), fiber conduit and wire installation, retiming five signalized intersections, construction documents with the related signal equipment upgrades, and signal retiming updates at seven different signals within the corridor (mentioned below). The following intersections are included in this scope of work:

- Alford Street at Exelon Mystic Station Driveway (retiming only);
- Alford Street at Dexter Street (retiming only);
- Broadway at Horizon Way/Mystic Street (retiming and signal upgrades);
- Broadway at the Thorndike Street Mid-Block Pedestrian Crossing (retiming and signal upgrades);
- Broadway at Beacham Street (retiming and signal upgrades);
- Beacham Street at Bow Street (retiming); and
- Broadway at Bowdoin Street (retiming and signal upgrades).

The sections following discuss the scope of services in detail.



Scope of Services

Based on our meeting with several City of Boston personnel on January 26, 2023, the scope can be broken down as described below.

Task 1. Data Collection and Traffic Signal Analysis

DATA COLLECTION

HSH will collect traffic counts within the project area that will be used in the signal retiming effort. The traffic counts will include Turning Movement Counts (TMCs), including pedestrians and bicycles, and Automatic Traffic Recorders (ATRs), including vehicle class and speeds, at the following locations:

- 11-hour Weekday TMCs at:
 - Alford Street at Exelon Mystic Station Driveway;
 - Alford Street at Dexter Street;
 - Broadway at Horizon Way/Mystic Street;
 - Broadway at Thorndike Street Mid-Block Pedestrian Crossing;
 - Broadway at Beacham Street;
 - Beacham Street at Bow Street; and
 - Broadway at Bowdoin Street.

- 48-Hour ATR at:
 - North of the Broadway at Horizon Way/Mystic Street.

The counts will be used to determine the morning, midday, and evening peak hours during an average weekday, Peak Hour Factor (PHF), Heavy Vehicle % (HV%), and pedestrian and bicycle calls at each signalized crossing.

HSH will enter the signal controller cabinets, take pictures and collect information of the equipment that is provided within each controller, and collect the signal timing information each controller is programmed with today. HSH will also work with the City and request the most recent timing plans and pattern data for the signalized intersections within the project limits to assist with building the existing conditions Synchro models.



SYNCHRO ANALYSIS

Synchro version 11.1 will be used to create Existing, No-build, and Build Condition models using the data compiled in the effort discussed previously as well as the existing timing plans provided. HSH will provide capacity analysis comparisons of the Existing, No-build, and Build Conditions in tabular format for review. This effort includes revisions recommended by the client, after they have reviewed the initial capacity analysis comparison.

Task 2. Construction Documents

HSH will request existing traffic signal plans that will be revised to incorporate the optimized traffic signal timings. The construction documents will include 25-75% traffic signal plans and schedule which will be submitted to BTM for review. Any comments received will be incorporated into the 100%-PS&E Construction Documents.

HSH will work with the City through the duration of this contract to ensure that the City of Boston's requirements with this project are satisfied. We assume there will be up to four (4) virtual meetings to present the proposed work and resolve comments that require discussion, before finalizing the construction documents.

Task 3. Construction Services

CONSTRUCTION COST ESTIMATE

HSH will work with a traffic signal contractor to provide a construction cost estimate for the proposed work that includes traffic signal equipment upgrades, fiber wire installation, and signal timing updates.

CONSTRUCTION OVERSIGHT

HSH will also provide construction oversight limited to the signal related work mentioned in this scope of work letter. The work shall include the review of any required shop drawing submittals for the proposed work and response to any Requests for Information (RFI) submitted by the Contractor. HSH will provide two (2) on-site inspections during the commencement of the work and one (1) final inspection of the completed work. HSH will provide the City of Boston with a Certificate of Compliance once the work has been completed and accepted.

Schedule

We will work with you to meet the grant application deadline which, based on our meeting on January 26, 2023, is June 30, 2024. Since we are in the middle of winter and the traffic counts will



depend on favorable weather (no snow in the forecast for the scheduled count days), the data collection should be completed in mid-March. Once the counts have been collected, we anticipate needing four to six weeks to complete the entire effort.

Fees for Services

Fees will be billed on a Time and Materials basis and in accordance with the attached fee schedule. A summary of fees for labor are summarized by task in the table below. The total cost for the scope as described in this letter is estimated at an upset fee limit of **\$125,019**.

Task	Budget
Task 1. Data Collection and Traffic Signal Analysis	
Data Collection	\$4,260
Synchro Analysis	\$7,880
Task 2. Construction Documents	
25-75% Construction Documents	\$9,410
100%-PS&E Construction Documents	\$6,845
Meetings	\$2,320
Task 3. Construction Services	
25-75% Estimate	\$2,030
100%-PS&E Estimate	\$2,030
Construction Oversight	\$3,300
Direct Expenses	
Travel	\$200
Printing, postage, misc.	\$200
Traffic Counts	\$7,240
Traffic Signal Work (MassBay)	\$71,400
Construction Contingency (10%)	\$7,904
TOTAL	\$125,019

Materials or reimbursable (direct) expenses will be billed at cost. Materials or reimbursable expenses are actual expenditures made by HSH in the interest of the project and include but are not limited to printing, photocopying, delivery charges, postage, research materials, local transportation, and any other expenses incurred in the interest of the project. Reimbursable expenses do not include permit filing fees.



Meetings are budgeted as outlined above; additional meetings, if required, will be billed at the hourly rates shown in the attached rate schedule. Additional team and agency meetings generally cost between \$500 – \$750 per meeting, depending on the duration of each meeting and the staffing required. Additional community meetings range higher at up to \$1,250 per meeting depending on the need to provide supporting materials/graphics and the overall length of the meeting and any possible team preparation. All additional meetings will be invoiced on a time and materials basis based solely on hours expended as well as any travel costs.

While HSH feels the scope of work and associated fee provided in this proposal is appropriate for this type and size of development in this location and that it will be acceptable to reviewing agencies, should the scope of work change either by request of the Client, reviewing agencies, or the community, HSH will provide an additional services request for advance review and approval by the Client.

Terms

Payment of Services: The project work is billable monthly on a time and materials basis, such that if the hours are not spent, you will not be billed. Invoices are due within thirty (30) days of receipt, regardless of whether approvals are granted. Interest of one and one-half percent (1.5%) will be charged per month on unpaid bills after ninety (90) days. If the scope should significantly change or if the schedule is extended past June 30, 2023, we will revise the budget accordingly and resubmit it for your approval. HSH does not accept payment in cash. Payment by check or Automated Clearing House (ACH) is preferred.

Termination: Consultant services may be terminated by either party with or without cause upon 10 days advance written notice. Regardless of which party shall affect termination, Client shall, within 30 calendar days of termination, pay HSH for services rendered and all costs incurred up to the time of termination, as well as those costs associated with the termination itself, if any, in accordance with HSH's then-prevailing labor rates. Upon termination of services and full payment of consultant fees, HSH will release all work product related to this contract.

Indemnification: Client and HSH will indemnify and each hold harmless each other's employees, officers, directors, and subconsultants from and against all claims and actions, including reasonable attorney fees, arising out of or related to damages or injuries to persons or property related or connected to acts of each other or their employees, officers, directors, subconsultants or agents.

Insurance: During the period that services are performed under this Agreement, HSH will maintain the following insurance: (1) Workers Compensation coverage in accordance with the laws of the Commonwealth of Massachusetts; (2) Commercial General Liability with a limit of \$1,000,000



per occurrence and a \$2,000,000 general aggregate; (3) Non-owned and Hired Automobile Liability coverage with a combined single limit of \$1,000,000 and (4) Professional Liability coverage with a \$5,000,000 aggregate limit (claims made basis). Client agrees that HSH will not be liable for any loss, damage, or liability arising out of this Agreement beyond the limits of available insurance coverage.

Permits/Licenses/Approvals: HSH is committed to providing technical support to facilitate project progress and approval. However, there are often circumstances beyond HSH’s control and responsibility that may affect a project’s ability to obtain permits/licenses or necessary written approvals. Therefore, unless indicated within this proposal, HSH does not guarantee our ability to obtain any project permits/licenses or approvals from any agency having jurisdiction over the project.

Approval

Should this proposal be acceptable to you, this letter can serve as a contract by an authorized signature below and returning a copy to us. Should our understanding of the Project be incorrect or incomplete, or should you have any revisions or changes, please contact me directly and we will incorporate them as directed. Thank you for contacting HSH; we look forward to working with you.

Sincerely,

David Matton
Principal

**Approved in the amount of \$125,019:
City of Boston**

By: _____

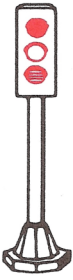
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Hourly Billing Rates through June 30, 2023

Project Role	Hourly Rate
Co-op/Administrative Assistant	\$85 - \$140
Graphics/Production	\$100 - \$165
Junior Engineer/Planner	\$105 - \$170
Engineer/Planner	\$135 - \$210
Senior Engineer/Planner	\$175 - \$275
Principal/Senior Advisor	\$210 - \$395

Rates subject to annual adjustment on July 1, 2023.



ACCURATE COUNTS

DATA COLLECTION SERVICES

P.O. Box 38
North Reading, MA 01864
Office: 978-664-2565
Fax: 978-664-7883
www accuratcounts.com

January 28, 2023
Via email

Mr. Bob Stathopoulos
Howard/Stein-Hudson Assoc., Inc.
11 Beacon Street, Suite 1010
Boston, MA 02108

Re: Everett, MA

Dear Bob:

This is in response to your request for data collection in the above-referenced area:

TMCs: 7 Locations:

8 Counts Thursday 7:00 AM to 6:00 PM at \$540	\$4,320
8 Counts Friday 4:00 to 6:00 PM at \$140	\$1,120
8 Counts Saturday 2:00 to 4:00 PM at \$140	\$1,120

ATRs: Radar

1 location requiring 2 Radars w/Speed & Length for 48 Hours at \$340	\$ 680
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Total Estimate \$7,240

SCHEDULE:

Weather permitting all data to be collected February 22nd through 25th. **Dates for data collection may be subject to change if authorization is not received within 24 hours.**

TERMS AND CONDITIONS

Authorization is required before work can begin. If you agree with this proposal, please sign and return via email.

Please call with any questions.

Sincerely,

ACCURATE COUNTS

Stephen P. DeLisle

AUTHORIZATION TO PROCEED
Howard/Stein-Hudson Assoc., Inc.

By: _____

Date: _____

Project # _____



125 Orleans Street
 East Boston, MA 02128
 TL: (617) 567-2001
 FX: (617) 561-0854
www.massbayelectric.com

Quoted to:
HOWARD STEIN HUDSON
 11 Beacon Street, Suite 1010
 Boston, MA 02108

Project: Casino TS Improvements
 Everett, MA
Date: 1/30/2023

Item #	Qty	Unit	Description	Unit Price	Extension
816.010	1	LS	Replace Existing Traffic Signals Controllers, Modify Timings, Install fiber communication cable	\$ 71,400.00	\$ 71,400.00
TOTAL BID:				→	\$ 71,400.00

Scope of Work shall INCLUDE the following:


- ** Replace Controller at Broadway at Bowdoin Street per BTD specifications.
- ** Replace Controller at Broadway at Beacham Street per BTD specifications.
- ** Replace Controller at Broadway at Mid-Block Ped Crossing south of Thorndike Street per BTD specifications.
- ** Replace Master Controller at Broadway at Casino Entrance per BTD specifications.
- ** Furnish & Install (2) new ethernet switches.
- ** Furnish & Install (1) new fiber-optic patch panel.
- ** Furnish & Install approx. 700ft. 12strand fiber communication cable (Single Mode)
- ** Prove existing conduits to determine if any obstructions are present.
- ** Provide acceptance package materials per BTD specs. (i.e. warranties, O&M manuals, etc.)
- ** Massachusetts Sales Tax

Scope of Work shall EXCLUDE the following:

- ** All police details
- ** All utility (Eversource, Verizon, etc) conduit installation & service fees.
- ** All pavement markings & signage.
- ** All expenses to procure CAD As-Builts
- ** All Permit fees (we will procure, but cost reimbursed by others).
- ** All premium time
- ** All payment & performance bonds

Clarifications

- 1.) Assumes normal working hours (9:00am-3:00pm) Monday thru Friday
- 2.) MBEC will NOT be held responsible for the condition of the existing traffic signal conduits. MBEC does not guarantee that the existing traffic signal conduits are free & clear of any obstructions to allow the installation of new traffic signal cable.
- 3.) Inner-duct has not been included due to amount of space needed in existing conduits. If required, we will provide an additional cost associated with furnishing & installing the inner-duct.
- 5.) Quote is based on 2023-2024 Union Labor

Sincerely,


MASS BAY ELECTRICAL CORP.