



FY 2026 Municipal Community Mitigation Fund Grant Application

Application Instructions:

- I. All applications must be received by the Massachusetts Gaming Commission by January 31st, 2025, at 11:59 p.m. to be considered for funding for the FY 2026 grant round.
- II. Each municipality may only submit **ONE** application as a Word Document.
- III. Each project must have its own form within the appropriate category. Forms can be found below as Parts A-E. If there is more than one project in a category, please copy the form. All attachments should directly follow the relevant project form.
- IV. Be sure to fill in all the information requested on the application. Applications that are left incomplete will not be accepted.
- V. All applications must submit a detailed scope of work and timeline for implementation for all projects identified in the application.
- VI. All applications must contain appropriate backup materials that support the application.
- VII. The Municipal Grant Manager will be the person responsible for compiling the information for the quarterly reports. The application must be signed by the municipal administrator or an individual with signatory authority. Submit this completed form as well as any relevant attachments to MGCCMF@Massgaming.gov or as a response to the COMMBUYS BID BD25-1068- 1068C-1068L-109685

For more detailed instructions as well as the full FY 2026 Application Guidelines visit

<https://massgaming.com/about/community-mitigation-fund/>

Municipal Grant Manager Information:
Applicant: Town of Agawam
Vendor Code: VC6000191692
Name: Christopher C. Johnson
Title: Mayor
Email Address: mayor@agawam.ma.us
Telephone: 413-726-9729
Address: 36 Main Street Agawam, MA 01001

Grant Budget Summary

Your community's FY 2026 proposed allocation can be found at <https://massgaming.com/about/community-mitigation-fund/>. Use the space below to total all requests by category. Please clarify how many discreet projects your community plans to undertake per category.

Total FY 2026 Allocation:		
Application Totals by Category	# of Projects	Requested Amount
A. Community Planning		
B. Public Safety	4	\$285,464.79
C. Transportation	1	\$500,000.00
D. Gambling Harm Reduction		
E. Specific Impact		
TOTAL	5	\$785,464.79

- I. Are you requesting a waiver for any program requirement?
 Yes
 No
- II. If yes, you must fill out a CMF Municipal Waiver Form. The waiver form can be found as Appendix E to the RFR on COMMBUYS or online at <https://massgaming.com/about/community-mitigation-fund/forms/>. Applications without a completed waiver form will not be considered for a waiver.

Budget Category Summary

Use the space below to provide an overview of all projects to be covered by this funding. You may add as many items as is pertinent to your application (you can add rows by right clicking on the row and selecting "add row"). Please provide a category, name, brief description, and amount for each item.

Category	Project Name	Description	Amount
A. Community Planning			
B. Public Safety	EMS Vehicle	Fire Department EMS First Response Vehicle	\$103,490.00
B. Public Safety	Aerial Training	Aerial Truck Response Training	\$44,267.38
B. Public Safety	Elevator Training	Elevator Rescue Operations Training	\$19,469.41
B. Public Safety	Extrication Equipment	Acquisition of advanced vehicle extrication equipment	\$118,211.00
C. Transportation	Suffield-Cooper-Rowley Intersection	Re-design of Suffield/Coopers/Rowley Streets intersection	\$500,000.00
D. Gambling Harm Reduction			
E. Specific Impact			

Applicant Certification

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


Signature:

1/30/2025
Date:

Christopher C. Johnson, Mayor
Name and Title of Signatory:

Part B- Transportation The application should include sufficient backup information for the review team to fully understand the project(s). This information could include locus maps, requests for proposals, detailed scopes of work, etc.

Project Name:	
Please provide below the contact information for the individual managing this aspect of the grant. If there are multiple people involved in the grants management, please add more lines to accommodate their information.	
Project Contact:	Additional Project Contact (if applicable)
Name: Mario Mazza	Name: Michelle Chase
Title: DPE Superintendent	Title: Town Engineer
Department: Department of Public Works	Department: Engineering
Email Address: mmazza@agawam.ma.us	Email Address: mchase@agawam.ma.us
Telephone: 413-821-0623	Telephone: 413-821-0625
Address: 1000 Suffield Street Agawam, MA 01001	Address: 1000 Suffield Street Agawam, MA 01001
<p>I. Please use the space below to identify the impact of the gaming establishment on your municipality. You may use the impacts identified in the FY 2026 Guidelines relevant to this category. If you are using an impact not identified in the guidelines, please use the space below to identify the impact. Please provide documentation or evidence that gives support for the determination that the operation of the gaming facility causes or is causing the impact (i.e., surveys, data, reports, etc.)</p>	
<p>The Town of Agawam is experiencing transportation-related impacts from the gaming establishment, specifically at the five-way intersection of Suffield Street (Route 75), Cooper Street, and Rowley Street. Residents in Agawam, Southwick, and Connecticut or visitors flying in from Bradley Airport who wish to avoid delays often experienced on Route 91 will likely travel through this intersection. Suffield Street serves as a direct route to Route 147 in West Springfield, which then carries traffic directly over the Memorial Bridge to the casino located in Downtown Springfield. The Memorial Bridge carries 3.3% of casino-related traffic according to the Trip Distribution Summary. This casino-related traffic has resulted in two primary impacts identified in the FY 2026 Guidelines:</p> <ul style="list-style-type: none"> - Increased traffic associated with the gaming establishment has caused increased congestion on this major route leading to/from the gaming establishment. The current intersection configuration is inadequate for handling the increased traffic volume, with single-lane approaches causing significant backups when vehicles attempt left turns. - Increased traffic has resulted in elevated vehicular/bicycle/pedestrian conflicts at this crucial intersection, creating safety concerns for all users of the transportation network. <p>With improvements recently made at the Route 147 Bridge and neighboring intersections and ongoing improvements planned along Memorial Ave, this intersection has become and will continue to be a congestion point. With this in mind, the need to provide a more efficient and complete streets friendly design at this intersection has become an even higher priority than it is was in the past.</p>	
<p>II. Please describe the project in detail and how the proposed project will address the impact indicated above. Please include a breakdown of the proposed scope of work, the scope should be sufficiently detailed to allow the review team to understand the steps required for project completion.</p>	
<p>Based on the alternatives analysis and engineering studies conducted with VHB, Inc. over the past few years, the Town has determined that a comprehensive signal reconstruction with geometric improvements will best address the casino-related impacts at this intersection. While the Town received previous CMF funding in 2021 for alternatives analysis and initial construction funding in 2022, the detailed design process has revealed that additional funding is needed to complete the \$1.7 million project. The project has undergone extensive</p>	

planning and design development, including stakeholder engagement with local businesses to minimize impacts while maximizing benefits.

The construction phase includes the following specific components:

Roadway Infrastructure:

- Full-depth pavement reconstruction (1,300 square yards) in critical areas
- Mill and overlay treatment (2,450 square yards) for approach improvements
- Installation of 1,650 linear feet of granite curbing for improved intersection definition
- Construction of 330 square yards of hot mix asphalt drives to maintain business access

Pedestrian Safety & Complete Streets Elements:

- Installation of 600 square yards of cement concrete sidewalks
- ADA-compliant curb cuts and crossings
- Enhanced pavement markings and signage for pedestrian safety

Traffic Signal & Safety Improvements:

- Complete signal equipment reconstruction (\$300,000) including:
 - Modern traffic signal controllers
 - Emergency vehicle pre-emption systems
 - Camera detection technology
 - Updated timing patterns to reduce congestion
- Comprehensive signing and pavement marking upgrades
- Utility pole relocation to improve sight lines

Site Work & Safety Measures:

- Drainage system modifications to prevent flooding and improve safety
- Earthwork and grading improvements (250 cubic yards)
- Installation of 550 square yards of loam and seed for disturbed areas
- Maintenance and protection of traffic during construction
- Police details for work zone safety

The estimated total cost of \$1.7 million includes necessary contingencies for design (25%), traffic management (5%), mobilization (3%), and construction (10%) to ensure successful project delivery. Additional engineering will verify final construction costs, and the estimate does not include potential right-of-way acquisitions or additional mitigation measures that may be required to address abutter concerns during permitting.

This comprehensive improvement project will mitigate casino-related impacts by:

- Reducing traffic congestion through improved intersection geometry and modern signal equipment
- Enhancing safety for all users through upgraded pedestrian facilities and Complete Streets elements
- Improving emergency response capabilities through pre-emption technology
- Creating a more resilient transportation network capable of handling casino-related traffic volumes

The previous CMF grants have enabled the Town to complete crucial planning and initial design work, but additional funding is required to implement these necessary improvements and effectively mitigate the documented casino-related impacts.

Proposed MGC Grant Budget

Please use the following table to outline the project budget. Please include as an attachment any requests for proposals, quotes, or estimates that would quantify the costs associated with the mitigation.

Description of Purchase/Work	Timeline	QTY	Budget
See attached Conceptual Cost Estimate			



Conceptual Cost Estimate (MassDOT Weighted Bid Prices - 10/24)
Signal
Suffield / Cooper / Rowley Streets
Agawam, Massachusetts

<u>Description</u>	<u>Unit Price</u>	<u>Quantity</u>	<u>Total Cost</u>
Full Depth Pavement	\$170.00 /SY	1,300 SY	\$221,000.00
Pavement Milling & Overlay	\$65.00 /SY	2,450 SY	\$159,250.00
Hot Mix Asphalt Drive	\$102.00 /SY	330 SY	\$33,660.00
Cement Concrete Walk	\$140.00 /SY	600 SY	\$84,000.00
Granite Curb	\$110.00 /FT	1,650 FT	\$181,500.00
Earthwork	\$60.00 /CY	250 CY	\$15,000.00
Loam & Seed	\$13.00 /SY	550 SY	\$7,150.00
Signing & P'vmt Markings	\$35,000.00 /LS	1 LS	\$35,000.00
Maintenance and Protection of Traffic/Temporary Operations	\$70,000.00 /LS	1 LS	\$70,000.00
Drainage Modifications (Assumed Contingency)	\$60,000.00 /LS	1 LS	\$60,000.00
Signal Equipment - Signal Reconstruction	\$300,000.00 /LS	1 LS	\$300,000.00
		Sub Total:	<u>\$1,166,560.00</u>
		Design Contingency (25%)	\$291,640.00
		TMP/Police (5%)	\$58,328.00
		Mobilization (3%)	\$34,996.80
		Construction Contingency (10%)	\$116,656.00
Utility Pole Relocation	\$30,000.00 /EA	1 EA	\$30,000.00
		Sub Total:	<u>\$1,698,180.80</u>
		SAY:	\$1,700,000.00

This estimate does not consider any Right of Way acquisitions.

Additional engineering is needed to verify in construction cost and conceptual design.

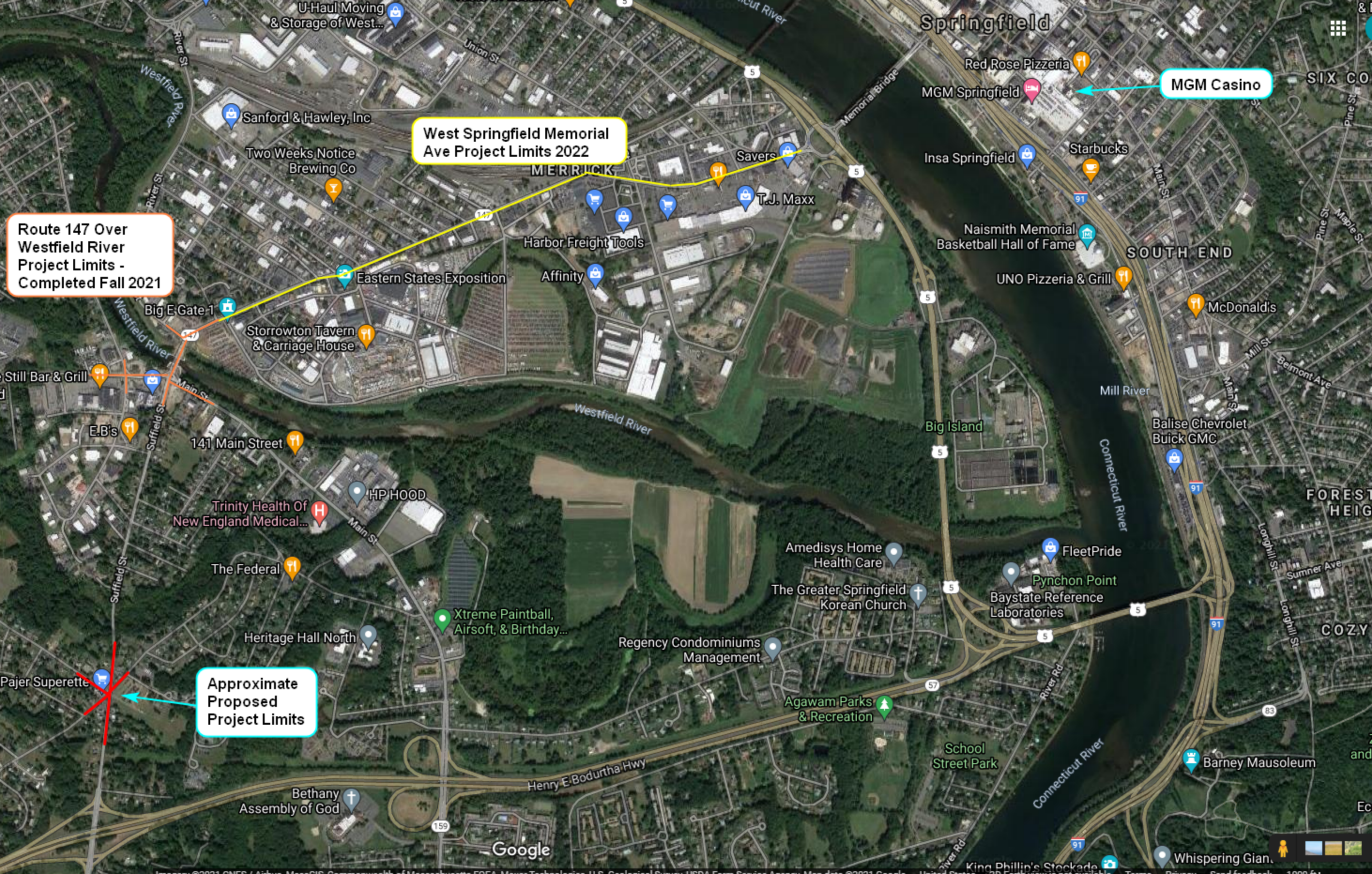
Estimate does not include mitigation items to address abutter concerns or from any permitting.

Route 147 Over Westfield River Project Limits - Completed Fall 2021

West Springfield Memorial Ave Project Limits 2022

MGM Casino

Approximate Proposed Project Limits





APPENDIX E – RFR 1068-1068C-1068L-109685
MUNICIPAL BLOCK GRANT FY 2026 WAIVER FORM

Applicants may request a waiver of a condition set forth in the Application for the Commission’s consideration. All requests for waivers or variances shall be submitted with the Application. The Commission may in its discretion waive or grant a variance from any provision or requirement contained in the FY 2026 Guidelines.

Applicant: Town of Agawam
Program Manager: Mario Mazza
Email: mmazza@agawam.ma.us
Telephone: 413-821-0623
Address: 1000 Suffield Street Agawam, MA 01001

<p>I. Financial Variance Request: <i>If your municipality’s proposed allocation is insufficient to mitigate identified casino related impacts, you may use the space below to request additional funds. Municipal waivers will be evaluated on a case-by-case basis and award decisions will be based on available funding.</i></p> <p>Please Note: The intent of this waiver is not to fund routine expenses but to fund significant projects that would not otherwise be able to be funded under a municipality’s annual CMF allocation.</p>
CMF Designated FY 2026 Grant Amount: \$357,400
Requested Amount Over Designated: \$428,064.79
<p>Basis of Waiver Request: The Town of Agawam respectfully requests a waiver to secure additional funding for the Suffield Street, Cooper Street, and Rowley Street Intersection Project. This project is positioned to move forward immediately upon securing adequate funding, with final design plans and construction documents near completion and a clear path to implementation.</p> <p>In 2022, the Town was awarded an \$833,300 CMF grant for this project, with the understanding that final construction costs were not yet determined. The completed engineering estimate from October 2024 establishes the total project cost at \$1,700,000. Under the current guidelines, which cap funding at 33% of construction costs over \$250,000, the 2022 award will be reduced, creating a substantial funding gap.</p> <p>To demonstrate our strong commitment to this crucial project, the Town has allocated \$800,000 in local funding, covering 47% of the total project cost. However, bridging the remaining gap through local means alone would significantly strain municipal resources and could compromise the project's effectiveness in mitigating casino-related impacts. More importantly, any delay in funding could push the construction timeline beyond 2026, potentially increasing costs and prolonging the impacts on casino-related traffic.</p>

This waiver request strongly aligns with the purposes of MGL c. 23K and serves the public interest in several crucial ways. The project addresses documented casino-related impacts on Suffield Street, which carries traffic on Suffield Street to Memorial Avenue over the Memorial Bridge, which is reported to carry 3.3% of casino traffic according to the Trip Distribution Summary. The proposed improvements will provide permanent mitigation through modern traffic control systems, enhanced safety features, and Complete Streets design elements that benefit all users of the transportation network. The project includes critical safety improvements such as emergency vehicle pre-emption technology, ADA-compliant pedestrian facilities, and improved traffic flow management at this complex five-way intersection.

Failure to secure this waiver would create significant hardship for the Town and the surrounding community by delaying construction beyond 2026, potentially increasing costs and prolonging traffic impacts. The project has already received substantial investment through previous CMF grants, including planning funds in 2021 and the initial construction award in 2022. The Town did not apply for or receive CMF allocations in 2023 and 2024, demonstrating responsible and strategic fund management. The Town has demonstrated its strong commitment by allocating \$800,000 in local funds, representing nearly half of the total project cost. However, without additional CMF funding to complete the funding package, these investments risk being underutilized, and critical safety and congestion issues will remain unaddressed. Despite the Town's substantial financial commitment, the remaining funding gap cannot be bridged through local means alone without compromising the project's effectiveness in mitigating casino-related impacts.

The current cost estimate of \$1,700,000 represents actual market conditions as of October 2024 and has been professionally prepared by VHB, Inc. using MassDOT weighted bid prices. This estimate provides high confidence in budget accuracy and includes necessary contingencies for the complex nature of a five-way intersection reconstruction and required traffic management during construction. Throughout the development process, the Town has demonstrated fiscal responsibility through both its significant financial commitment and by completing thorough alternatives analysis, engaging stakeholders to optimize the design, and developing detailed cost estimates to ensure efficient use of funds.

The Town is requesting this one-time waiver to enable the completion of the full scope of necessary improvements. This will maximize the benefit of previous CMF investments, leverage substantial local funding, and ensure effective mitigation of casino-related impacts. The request satisfies all three criteria for waiver approval: it maintains consistency with MGL c. 23K through direct mitigation of casino impacts, serves the public interest through comprehensive safety and accessibility improvements, and prevents substantial hardship by enabling the completion of this essential project.

This intersection serves as a critical connection point for casino-related traffic, and its improvement will provide lasting benefits to both local residents and regional travelers. Given the Town's significant financial commitment of \$800,000, we respectfully request the Commission's favorable consideration of this waiver request to allow the successful completion of this important mitigation project.

II. Programmatic Requirement Variance Request:

A municipality may request a waiver from any application requirement. Municipal waivers will be evaluated on a case-by-case basis and applicants will be notified of the Commission's decision.

Basis of Waiver Request:

Part C - Public Safety - The application should include sufficient backup information for the review team to fully understand the project(s). This information could include locus maps, catalog cuts of proposed equipment purchases, quotes, training course syllabus, etc.

Project Name: Fire Department EMS First Response Vehicle	
Please provide below the contact information for the individual managing this aspect of the grant.	
Project Contact:	Additional Project Contact <i>(if applicable)</i>
Name: Alan Sirois	Name: Frank Matuszczak
Title: Fire Chief	Title: Deputy Fire Chief
Department: Agawam Fire Department	Department: Agawam Fire Department
Email Address: afdchief@agawam.ma.us	Email Address: afddeputy@agawam.ma.us
Telephone: 413-786-0400 x8880	Telephone: 413-786-0400 x8881
Address: 800 Main Street, Agawam, MA 01001	Address: 800 Main Street, Agawam, MA 01001
<p>I. Please use the space below to identify the impact of the gaming establishment on your municipality. You may use the impacts identified in the FY 2026 Guidelines relevant to this category. If you are using an impact not identified in the guidelines, please use the space below to identify the impact. 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, etc.)</p> <p>The introduction of the gaming establishment in the neighboring community has significantly impacted our municipality's emergency medical services (EMS) operations. Increased visitation to the casino has led to a marked rise in calls for EMS services within our jurisdiction, as we frequently respond to incidents originating from or related to casino patrons traveling through or staying in our area. This has resulted in higher demand for emergency response resources and additional strain on our existing services.</p> <p>The influx of visitors, many of whom are unfamiliar with the area, has contributed to increased vehicular accidents, pedestrian conflicts, and medical emergencies along major thoroughfares and in nearby lodging facilities. Data collected from our EMS records show an average increase of 4% per year in EMS call volumes. A portion of these calls are directly tied to incidents involving casino patrons, including traffic collisions, alcohol-related incidents, or medical emergencies.</p> <p>The proximity of the casino has created a need for specialized EMS capabilities, such as rapid response for high-density events and coordination with mutual aid partners to address incidents requiring immediate medical attention. This need has been amplified by the casino's hosting of large-scale events, which can spill over into our community, further straining our existing EMS resources.</p> <p>This new demand has necessitated the acquisition of an EMS response vehicle dedicated to addressing increased call volume resulting from casino-related impacts. This new rapid response mission vehicle will enable our department to respond more efficiently to the increased volume of calls and provide enhanced service to both residents and visitors. This is a proposal for a new vehicle, for a new mission. It is not a replacement for an existing vehicle. As such, this proposal meets the requirements of grant guidelines.</p>	
<p>II. Please describe the project in detail and how the proposed project will address the impact indicated above. Please include a breakdown of the proposed scope of work, the scope should be sufficiently detailed to allow the review team to understand the steps required for project completion.</p>	

Project Description

To address the impacts outlined above, our municipality proposes the acquisition of a new EMS response vehicle specifically designed for rapid deployment and advanced life support (ALS) capabilities. This vehicle will be utilized to respond to incidents, such as traffic accidents, alcohol-related emergencies, medical emergencies and other high-priority events, many of which are known impacts resulting from the presence of a casino.

Scope of Work

1. Vehicle Procurement:
 - o Finalize vehicle specifications with advanced life support (ALS) capabilities and specialized equipment.
 - o Obtain quotes from vendors and initiate procurement in compliance with municipal purchasing guidelines.
2. Vehicle Customization:
 - o Equip the vehicle with state-of-the-art EMS tools, including defibrillators, advanced airway management equipment, and trauma supplies.
 - o Integrate communication systems for interoperability with regional dispatch and mutual aid partners.
3. Staff Training:
 - o Train EMS personnel on the operation and utilization of the new vehicle and its equipment.
4. Deployment:
 - o Coordinate with neighboring communities and the gaming establishment to streamline response protocols.
5. Evaluation and Reporting:
 - o Monitor response times and outcomes for incidents handled by the new vehicle.
 - o Compile data to measure the vehicle's impact on improving EMS efficiency and effectiveness.
 - o Report findings to stakeholders, including the gaming commission, as part of grant accountability.

This project will allow our EMS division to effectively address the increased demand for services resulting from the casino's presence. The vehicle will ensure faster response times, improved patient outcomes, and sustained readiness for the unique challenges posed by the gaming establishment.

Proposed MGC Grant Budget

Please use the following table to outline the project budget. Please include as an attachment any requests for proposals, quotes, or estimates that would quantify the costs associated with the mitigation.

Description of Purchase/Work	Timeline	QTY	Budget
Vehicle – Chassis and response upfit	6 months	1	\$81,290.00
Vehicle Cabinets and Storage Equipment	6 months	1	\$1,200.00
Medical Equipment (defibrillator, equip. etc.)	6 months	1	\$21,000
	TOTAL:		



VEH110 Quote Form: Vendor Response

Cells which require input are shaded blue and will turn white when filled. Additional cells are optional.

FOR BIDDING VENDORS: This (Vendor Response) tab must be completed by the bidding vendor and submitted to the purchasing entity. If the bidding vendor would like to submit a separate specification sheet, it must be submitted to the purchasing entity along with this form.

Use one quote form per vehicle specification. Only multiples of the exact same spec'd vehicle can be included on each individual form.
For options/upfits/transferred equipment, each line item must be fully populated.

VENDOR INFORMATION

Legal Name:	Marcotte Ford Sales, Inc.		
Company Address:	1025 Main Street, Holyoke MA 01040		
Name of Company Contact:	Colby Henderson		
Contact Phone:	413-420-2608		
Contact Email:	chenderson@marcotteford.com		

Date of Quote:	12/31/2024	Quote Number:	AGAWAMDF250	Order By Date:	TBD
Quote Expires:					

VEHICLE SPECIFICATIONS / INFORMATION

VEH110 Vehicle #, if Applicable:		Vehicle Being Sourced From:	Factory Order
			If Sourced from Stock, Stock #:
Vehicle Offered		Vehicle Offered	H437
Model Year:	2025	Seating Capacity:	5
Make & Model:	Ford F-250 Crew Cab	Exterior Color:	Agate Black
Trim Level:	XL	Interior Color and Material:	Med Dark Slate Cloth
Drive Train:	4WD		
Body Code & Pkg.:	W2B 600A		
Engine Details:	7.3L V8 Gas	Base Vehicle Contract Price:	\$51,020.00
Engine Designation:	Internal Combustion Engine		
			Quantity of Vehicle Offered:
			1
For Trucks and Vans:	Wheelbase:	160"	Roof Height or Bed Length:

ADDED DISCOUNTS / INCENTIVES / CREDITS (PER VEHICLE)

Grants		Notes:	Total Additional Incentives:
Tax Credits/Rebates			
Promo. Discounts			
Volume Discounts			

ORDER & DELIVERY TIME LINE / DELIVERY LOCATION / TRADE-IN INFORMATION

MY Order Bank Status/Open Date:	MY Production Status/Dates:
Lead Time should be referenced in weeks (only use days if less than one week applies):	
Vehicle Lead Time from OEM to Dealer:	Upfit/Transfer Lead Time at Dealer:
Vehicle Lead Time at Sub-Contractor:	TOTAL Order to Delivery Lead Time:
Delivery Location (from Dealer to Purchaser):	
Agawam, MA	
Delivery Fee (may ONLY be applied when delivery location is outside mainland MA):	\$0.00
Trade-Ins May Be Allowed to Reduce Acquisition Cost, Based on Applicable Procurement Regulations (not allowed for Executive Branch purchasers):	
Trade-In Details (Year, Make, Model):	Trade-In Value:

PRICE SUMMARY

Per Vehicle, Contract Base Price:	\$51,020.00	Per Vehicle, as noted in the applicable sections:	
Total Additional Incentives:	\$0.00	Total Factory Options:	\$8,280.00
Trade in Value, if applicable:	\$0.00	Total Upfit/Transfer/Delivery:	\$21,990.00
TOTAL COST PER VEHICLE: (including all add-ons and incentives)	\$81,290.00	QUANTITY:	1

Based on Pricing, Contract Language Requires Three Quotes be Solicited

TOTAL PURCHASE PRICE (if move forward with PO): \$81,290.00

ADDED FACTORY (OEM) OPTIONS AND PACKAGES (PER VEHICLE)

Quantity per Vehicle:	Factory Code:	Option / Accessory Description:	Price Per Unit (Cost Plus):	Total Per Vehicle:
1	99T	7.3L V8 Engine		\$0.00
1	STX	STX Appearance Package (Includes All Terrain Tires, BLIS System, 18" Alum Wheels, LED Box Lighting, Payload Package Upgrade, Rear Parking Sensors)		\$0.00
1	18B	Platform Running Boards		\$0.00
1	473	Snow Plow Prep Package		\$0.00
1	52B	Trailer Brake Controller		\$0.00
1	61N	Wheel Well Liners - Front/Rear		\$0.00
1	66S	Upfitter Switches		\$0.00
1	67E	250 Amp Alternator		\$0.00
1	59S	Tough Spray In Bedliner		\$0.00

Factory Options Total (per vehicle):				\$8,280.00

ADDED ACCESSORIES / UPFIT / TRANSFER OF EQUIPMENT (PER VEHICLE)

Quantity per	Supplier Brand / Part Code:	Option / Accessory Description:	Price Per Unit	Total Per Vehicle:
1	Whelen	54" Whelen Liberty Lightbar RED/WHITE Duo w/ Amber Traffic Advisor		\$0.00
1	Whelen	Whelen Core Siren and Lighting Controller, w/ Canbus Link Module		\$0.00
1	Whelen	Whelen Rotary Knob Controller		\$0.00
1	Havis	Havis 24" Console w/ Arm Rest		\$0.00
1	Westin	Westin Cab Guard		\$0.00
1	Pro-Guard	Pro Guard Push Bar		\$0.00
1	Whelen	100 Watt Speaker		\$0.00
1	Whelen	Rear Flood Lamp Kit on Rear Cabguard		\$0.00
2	Whelen	Whelen Strip Lite Mounted on Side of Push Bar		\$0.00
2	Whelen	Side Mounted Cabguard Red LED Strip Light		\$0.00
2	Whelen	T-ION Red/White on 1/4 Panel		\$0.00
2	Whelen	Vertex LED Red Light Mounted on Rear Step		\$0.00
1	Pro-Guard	Cargo Cab Storage Unit		\$0.00
1	Whelen	Whelen Arges2 Fender Mount Remote Spot Lamp		\$0.00
1	Graphics	Ghost Graphic Kit		\$0.00
1	SAT	Assembly & Installation		\$0.00

Accessories / Upfit / Transfer Total (per vehicle):				\$21,990.00
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OTHER TERMS (NOT TO CONFLICT WITH ANY TERM ON VEH110)

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Part C - Public Safety - The application should include sufficient backup information for the review team to fully understand the project(s). This information could include locus maps, catalog cuts of proposed equipment purchases, quotes, training course syllabus, etc.

Project Name: Aerial Truck Response Training	
Please provide below the contact information for the individual managing this aspect of the grant.	
Project Contact:	Additional Project Contact <i>(if applicable)</i>
Name: Alan Sirois	Name: Frank Matuszczak
Title: Fire Chief	Title: Deputy Fire Chief
Department: Agawam Fire Department	Department: Agawam Fire Department
Email Address: afdchief@agawam.ma.us	Email Address: afddeputy@agawam.ma.us
Telephone: 413-786-0400 x8880	Telephone: 413-786-0400 x8881
Address: 800 Main Street, Agawam, MA 01001	Address: 800 Main Street, Agawam, MA 01001
<p>I. Please use the space below to identify the impact of the gaming establishment on your municipality. You may use the impacts identified in the FY 2026 Guidelines relevant to this category. If you are using an impact not identified in the guidelines, please use the space below to identify the impact. 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, etc.)</p>	
<p>The introduction of the gaming establishment in the neighboring community has significantly impacted our municipality's fire and rescue operations, particularly in the realm of aerial ladder operations. Visitation to the casino has led to a rise in large-scale events and incidents that require advanced fire suppression and rescue capabilities, including Agawam Fire's response to the City of Springfield for mutual aid. The casino's impact includes increased building occupancy rates, elevated risks of structural fires, and a heightened need for specialized rescues, especially in commercial and multi-story properties influenced by the casino's operations.</p> <p>The proximity of the casino has resulted in an increase in mutual aid requests and responses to incidents, sometimes involving casino patrons or facilities. These incidents often require advanced technical skills in using aerial ladders for operations such as victim rescues, fire suppression in multi-story structures, and access to complex building configurations, many of which are unique to the types of commercial and hospitality buildings associated with the casino.</p> <p>Additionally, the casino attracts a significant influx of visitors, which has contributed to increased vehicular and pedestrian congestion. This congestion complicates fire apparatus placement, particularly in high-density or obstructed areas. Training on proper aerial ladder placement and operations is critical to maintaining effective response times and ensuring the safety of both first responders and civilians.</p> <p>Training in advanced aerial truck operations has been identified as a gap in the Agawam Fire Department. This proposal seeks to fill that training gap and ensure that Agawam's firefighters are trained to respond to the unique hazards associated with the City of Springfield when needed. This will ensure that our fire department remains prepared to respond to the unique challenges posed by the gaming establishment, its surrounding infrastructure, and the City of Springfield.</p>	

II. Please describe the project in detail and how the proposed project will address the impact indicated above. Please include a breakdown of the proposed scope of work, the scope should be sufficiently detailed to allow the review team to understand the steps required for project completion.

To address the impacts identified above, the Agawam Fire Department proposes a comprehensive training program on Tower Ladder Placement and Operations. This program will provide firefighters with the technical skills and knowledge required to respond effectively to complex incidents involving aerial ladders in casino-influenced environments and during mutual aid responses to the City of Springfield.

Scope of Work:

1. Curriculum Development and Instruction:
 - o Engage a certified instructor or training organization specializing in aerial ladder operations.
 - o Develop a curriculum tailored to the department’s needs, focusing on real-world challenges encountered in mutual aid responses and congested environments.
2. Training Modules:
 - o Curriculum attached
3. Training Schedule:
 - o Conduct a series of hands-on training sessions over a four-week period to ensure all firefighters complete the program.
 - o Include scenario-based drills in casino-adjacent areas and mutual aid settings to simulate real-world conditions.
4. Assessment and Certification:
 - o Evaluate firefighter proficiency through practical assessments at the end of the program.
 - o Provide certification upon successful completion.

This training initiative will enhance firefighter readiness, improve response times, and ensure the safety of both responders and civilians in incidents influenced by the gaming establishment. By addressing the identified training gap, the project will significantly contribute to the overall preparedness and effectiveness of the Agawam Fire Department.

Proposed MGC Grant Budget

Please use the following table to outline the project budget. Please include as an attachment any requests for proposals, quotes, or estimates that would quantify the costs associated with the mitigation.

Description of Purchase/Work	Timeline	QTY	Budget
Deliver Aerial Ladder Training to 30 pers.	6 Months	1	\$44,267.38 (see attached)
	TOTAL:		\$44,267.38



Tower Ladder Placement and Operations

Partners

Mark Gregory

James Sandas

**Emmet "Pat"
Nichols**

Associates

Randy Miller
Kevin Candido
Ray Griffin
Paul Larochelle
Michael Meyer
Kenny Ditata
Chris Eysser
Glenn Bullock
George Krant
Ken Bailey
Phil Higgins
Tom Gies
Ronnie Gies
Chris Black
Jimmy Adams

- Ground level obstructions
- Overhead obstructions
- Outrigger placement
- Angling in relation to building line
 - Away
 - Towards
- Upper & Lower Scrub area
- Setting up on grade
- Placement on unstable ground
- Bucket movement-Aligning bucket with objective
- Aligning turntable with objective
- Bucket movement from the turntable
- Scrub drill using broom
- Covering more than one side of a building
- Stream application
- Bucket placement to window & moving away
- Bucket placement to roof & moving away
- Bucket Placement to Peaked roof & moving away
- Victim removal
- Placement at the following building types, occupancies, and operations
 - Private Dwellings
 - Multiple Dwellings
 - Commercial occupancies
 - Below grade
 - High point anchor

Agawam Fire Department Aerial Ladder Training

Rank	# of Pers	Hourly Rate	Hours of Training	Total Payroll Cost
Firefighter	20	\$ 51.2814	24	\$ 24,615.07
Lieutenant	8	\$ 58.5631	24	\$ 11,244.12
Specialist	2	\$ 65.7957	24	\$ 3,158.19
	30			<u>\$ 39,017.38</u>

Course Cost

175 / person	30		<u>\$ 5,250.00</u>
		<u>TOTAL COST</u>	<u>\$ 44,267.38</u>

Part C - Public Safety - The application should include sufficient backup information for the review team to fully understand the project(s). This information could include locus maps, catalog cuts of proposed equipment purchases, quotes, training course syllabus, etc.

Project Name: Elevator Rescue Operations Training	
Please provide below the contact information for the individual managing this aspect of the grant.	
Project Contact:	Additional Project Contact <i>(if applicable)</i>
Name: Alan Sirois	Name: Frank Matuszczak
Title: Fire Chief	Title: Deputy Fire Chief
Department: Agawam Fire Department	Department: Agawam Fire Department
Email Address: afdchief@agawam.ma.us	Email Address: afddeputy@agawam.ma.us
Telephone: 413-786-0400 x8880	Telephone: 413-786-0400 x8881
Address: 800 Main Street, Agawam, MA 01001	Address: 800 Main Street, Agawam, MA 01001
<p>I. Please use the space below to identify the impact of the gaming establishment on your municipality. You may use the impacts identified in the FY 2026 Guidelines relevant to this category. If you are using an impact not identified in the guidelines, please use the space below to identify the impact. 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, etc.)</p> <p>The introduction of the gaming establishment in the neighboring community has significantly impacted our municipality's fire and rescue operations, particularly in the realm of technical rescues, including elevator operations. The casino's presence has increased visitation and occupancy rates in nearby hospitality and commercial buildings, many of which are equipped with elevators. This has led to a higher likelihood of elevator malfunctions and emergencies, requiring specialized rescue capabilities from our fire department. Ever increasing call volumes mean that the Town of Agawam's Firefighter's are more likely to respond to the City of Springfield for mutual aid responses and large high consequence incidents.</p> <p>The proximity of the casino has resulted in an increase in mutual aid requests and responses to incidents involving casino patrons or facilities. Elevator rescues present unique challenges due to the mechanical and technical nature of elevator systems, as well as the need to ensure the safety of multiple occupants. Training in elevator rescue operations is essential to address these challenges and improve firefighter readiness to handle emergencies involving elevator systems safely and efficiently.</p> <p>The proposed Elevator Rescue Operations training program will directly address these impacts by equipping firefighters with the technical skills and knowledge required to respond effectively to elevator-related emergencies. This will enhance our department's ability to provide timely and effective rescues, ensuring the safety of both responders and civilians in situations influenced by the gaming establishment and its surrounding infrastructure.</p>	
<p>II. Please describe the project in detail and how the proposed project will address the impact indicated above. Please include a breakdown of the proposed scope of work, the scope should be sufficiently detailed to allow the review team to understand the steps required for project completion.</p>	

The Elevator Rescue Operations training program is designed to equip firefighters with the technical expertise and practical skills required to respond effectively to elevator-related emergencies. This program will enhance the department’s capacity to manage incidents involving elevator systems, ensuring the safety of both occupants and responders. The training consists of a combination of lecture-based instruction and hands-on practical exercises.

Scope of Work:

1. Curriculum Development:
 - o Collaborate with a certified training organization specializing in elevator rescue operations.
 - o Customize the training curriculum to address challenges specific to mutual aid responses and incidents influenced by the gaming establishment.
2. Classroom Instruction:
 - o See attached
3. Practical Exercises:
 - o See attached
4. Training Schedule:
 - o Conduct the training in multiple four-hour sessions to accommodate all department personnel.
 - o Ensure all personnel complete both the classroom and practical components of the program.
5. Assessment and Certification:
 - o Evaluate participants’ proficiency in elevator rescue operations through practical assessments.
 - o Provide certification upon successful completion of the program.

By implementing this program, our department will significantly enhance its ability to respond to elevator-related emergencies, ensuring effective and timely rescues in environments influenced by the casino and its associated infrastructure.

Proposed MGC Grant Budget

Please use the following table to outline the project budget. Please include as an attachment any requests for proposals, quotes, or estimates that would quantify the costs associated with the mitigation.

Description of Purchase/Work	Timeline	QTY	Budget
Train 58 personnel in elevator rescue tactics	6 Months	1	\$19,469.41 (see attached)
	TOTAL:		



Partners

Mark Gregory
Captain, FDNY,
Ladder 176

James Sandas
Firefighter,
FDNY, Rescue 2

**Emmet "Pat"
Nichols**
District Chief,
Boston FD,
District 12

Associates

Randy Miller
Kevin Candido
Ray Griffin
Paul Laroche
Russell Kellar
Mike Mercurio
Michael Meyer
Kenny Ditata
Chris Eysser
Glenn Bullock
George Krant
Ken Bailey
Phil Higgins
Tom Gies
Jimmy Adams

P.L. Vulcan Fire Training Concepts is a group of highly dedicated professionals that continue to deliver the training traditions of Lieutenant Pete Lund, a 30-year veteran of the FDNY assigned to Rescue Company 2. During Pete's three decades of fire duty, he became known as "Vulcan" the Greek God of Fire. In 2002, he formed a group of firefighters to go out and provide realistic fire training across the country. Although comprised of mainly FDNY members, most had a background in the volunteer fire service. In 2005, Pete died in the line of duty while operating at a structure fire in his hometown of Woodmere, New York. Although Pete is no longer physically with us, "his guys" continue his mission of keeping the training interesting and informational.

Course Description:

"Elevator Rescue Operations"

The Elevator Rescue Operations Program is a lecture / practical program. Students will receive a PowerPoint classroom lecture which covers the basics of elevator design and construction, lock out / tag out options, basic and advanced removal techniques and "Fireman Service Operations". The practical portion of the program will allow students to visually observe all components of an elevator, practice lock-out / tag out procedures, perform door opening skills, lower a hydraulic elevator, and operate under Fireman Service Operations.

The program is approximately 4 hours long. Upon receiving a written confirmation and/or agreement, P.L. Vulcan will work with you on scheduling a delivery date. Certificates of attendance can also be included, if requested.

Thank you for considering P.L. Vulcan (www.plvulcanfiretrainingconcepts.com) for your upcoming training needs. Please view our website and/or our Facebook page and feel free to contact us if you require additional information.

Respectfully,

Mark Gregory

Lead Instructor
P.L. Vulcan Fire Training Concepts

Agawam Fire Department Elevator Rescue Training

Rank	# of Pers	Hourly Rate	Hours of Training	Total Payroll Cost
Firefighter	48	\$ 51.2814	4	\$ 9,846.03
Lieutenant	8	\$ 58.5631	4	\$ 1,874.02
Specialist	2	\$ 65.7957	4	\$ 526.37
	58			<u>\$ 12,246.41</u>

Course Cost

\$125 / person	58		<u>\$ 7,250.00</u>
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TOTAL COST **\$ 19,496.41**

Part C - Public Safety - The application should include sufficient backup information for the review team to fully understand the project(s). This information could include locus maps, catalog cuts of proposed equipment purchases, quotes, training course syllabus, etc.

Project Name: Extrication Equipment	
Please provide below the contact information for the individual managing this aspect of the grant.	
Project Contact:	Additional Project Contact <i>(if applicable)</i>
Name: Alan Sirois	Name: Frank Matuszczak
Title: Fire Chief	Title: Deputy Fire Chief
Department: Agawam Fire Department	Department: Agawam Fire Department
Email Address: afdchief@agawam.ma.us	Email Address: afddeputy@agawam.ma.us
Telephone: 413-786-0400 x8880	Telephone: 413-786-0400 x8881
Address: 800 Main Street, Agawam, MA 01001	Address: 800 Main Street, Agawam, MA 01001
<p>I. Please use the space below to identify the impact of the gaming establishment on your municipality. You may use the impacts identified in the FY 2026 Guidelines relevant to this category. If you are using an impact not identified in the guidelines, please use the space below to identify the impact. 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, etc.)</p>	
<p>The casino’s presence has led to a marked increase in traffic congestion and vehicular accidents along major roadways and intersections that serve as primary access routes to the casino. These traffic-related incidents sometimes involve complex extrications due to high-speed collisions, increased traffic density, and the involvement of larger commercial vehicles such as shuttle buses and delivery trucks servicing casino operations.</p> <p>These incidents can require specialized extrication tools to safely and efficiently remove victims from severely damaged vehicles. The growing volume and complexity of these accidents have underscored the need for advanced battery-powered extrication equipment, which provides greater mobility and efficiency in challenging and time-sensitive scenarios.</p> <p>Additionally, the casino attracts a significant influx of out-of-town visitors, many of whom are unfamiliar with local roadways, leading to higher rates of collisions and traffic-related emergencies. Traffic congestion studies conducted in the region have highlighted the increased risk of vehicular incidents near casino access points, particularly during peak visitation times. This congestion further complicates emergency response operations, making it imperative to have reliable, portable, and effective extrication tools readily available.</p> <p>Documentation reporting increases in vehicular traffic and collisions includes:</p> <ul style="list-style-type: none"> Assessing the Impact of Gambling on Public Safety in Massachusetts Cities and Towns, Christopher W. Bruce, 18 October 2018 Social and Economic Impacts of Casino Introduction to Massachusetts, UMASS School of Public Health and Health Sciences, October 2024 <p>The proposed acquisition of advanced vehicle extrication equipment will directly address these impacts by enhancing our department’s ability to respond to and manage complex vehicle rescues. This will improve response times, increase operational efficiency, and ensure the safety of both responders and accident victims in situations influenced by the gaming establishment and its associated traffic challenges.</p>	

II. Please describe the project in detail and how the proposed project will address the impact indicated above. Please include a breakdown of the proposed scope of work, the scope should be sufficiently detailed to allow the review team to understand the steps required for project completion.

The proposed project involves the acquisition and implementation of advanced battery-powered vehicle extrication tools to enhance the municipality’s fire and rescue capabilities. This project is essential to address the increasing number and complexity of vehicle extrication incidents influenced by the gaming establishment’s traffic-related impacts.

Scope of Work

1. Equipment Procurement:
 - o Research and select extrication tools from a certified manufacturer, such as the Genesis E-Force SLI battery-powered tools.
 - o Obtain competitive quotes and comply with municipal purchasing guidelines for acquisition.
2. Customization and Delivery:
 - o Ensure the tools are equipped with necessary attachments, to handle a variety of vehicle types and extrication scenarios.
 - o Coordinate delivery schedules to ensure timely acquisition.
3. Training and Deployment:
 - o Conduct specialized training sessions for fire department personnel to familiarize them with the operation and maintenance of the new tools.
 - o Include hands-on training drills simulating real-world extrication scenarios, including high-speed collisions and incidents involving commercial vehicles.
4. Integration into Operations:
 - o Equip designated fire apparatus with the new tools to ensure readiness during emergency responses.
 - o Develop operational protocols to maximize efficiency and effectiveness during extrication incidents.

This project will significantly enhance the fire department’s ability to manage complex vehicle extrications efficiently and safely. By providing reliable, state-of-the-art extrication tools, the department will be better equipped to address the unique challenges posed by traffic incidents influenced by the gaming establishment and its associated infrastructure.

Proposed MGC Grant Budget

Please use the following table to outline the project budget. Please include as an attachment any requests for proposals, quotes, or estimates that would quantify the costs associated with the mitigation.

Description of Purchase/Work	Timeline	QTY	Budget
See attached	See attached		
	TOTAL:		See attached



NEW ENGLAND FIRE EQUIPMENT & APPARATUS CORP.

10 Stillman Road ~ North Haven, CT 06460

Phone: 203.239.5678

Loose Equipment Quote

Date: January 14, 2025

We are proud to provide you with this quote.
Price is valid for 30 days.

For questions, please contact:

Dave Farrell

508-951-9399 cell

dfarrell@nefea.com

	Customer	Agawam Fire Department
Shipping	Street	800 Main Street
Overnight	City	Agawam
2 Day	State/Zip	MA/01001
3 Day	Phone	413-786-0657
Standard	Contact	D.C. Frank Matuszczak
	E-MAIL	afddeputy@agawam.ma.us

Quantity	Item #	Vendor	Description	Size	Price/Unit	Extended
1	1101550GRS	Genesis	SC240-Sli NXT GEN Cutter, Smooth Cut Blades, 18V		\$16,941.75	16,941.75
1	1101468GRS	Genesis	S44-SLi 24" Spreader, 18V		\$17,649.19	17,649.19
1	1101469GRS	Genesis	S49-Sli 28" Spreader, 18V		\$18,871.13	18,871.13
1	1101159GRS	Genesis	11C-Sli RIT Combi Tool, 18V		\$14,764.31	14,764.31
1	1100145GRS	Genesis	22-54 SLi Telescopic Ram, 22"-54", 18V		\$13,487.25	13,487.25
8	48-11-1880	Howell	Milwaukee M18 HO XC8.0 Battery, 18V		\$246.09	1,968.72
2	48-59-1802	Howell	Milwaukee M18 Dual Bat Rapid Charger		\$157.50	315.00
						0.00
						0.00
						0.00
						0.00
						0.00
						0.00

Sub-total		\$82,117.22	\$83,997.35
Shipping			
Total		\$82,117.22	\$83,997.35

Special Directions/Notes: Please note that I have provided quotes on two (2) spreaders of different sizes as I wasn't sure which size you would like.



SC240-SLI NXT GEN

Part Number: 1101550GRS

Rev: 1
07.28.23

SLI



-  18V BATTERY
-  SUBMERSIBLE
-  GEOFENCE
-  SMOOTH CUT
-  SERVICE MODE
-  TRAINING MODE
-  WIRELESS
-  HANDLE
-  LED LIGHTS

TECHNICAL SPECS

METRIC

STANDARD

	METRIC	STANDARD
Length (mm/in)	936	36.9
Width (mm/in)	236	9.3
Height (mm/in)	228	9
Weight (kg/lbs)	22.8	50.3
Cutting Opening (mm/in)	187	7.4
NFPA Cut Rating	A8-B9-C7-D9-E9-F4	A8-B9-C7-D9-E9-F4
Nominal Pressure (bar/psi)	700	10,000
Ingress Protection Rating	IP68*	

*IP 68 if the closed battery cover is used. IP 54 if the open battery cover is used.

Images and Specifications are subject to change without notice



11C-SLI RIT

Part Number: 1101159GRS

Rev: 2
11.29.23

SLI



- 18V BATTERY
- SUBMERSIBLE
- GEOFENCE
- SERVICE MODE
- TRAINING MODE
- WIRELESS
- HANDLE
- LED LIGHTS

TECHNICAL SPECS

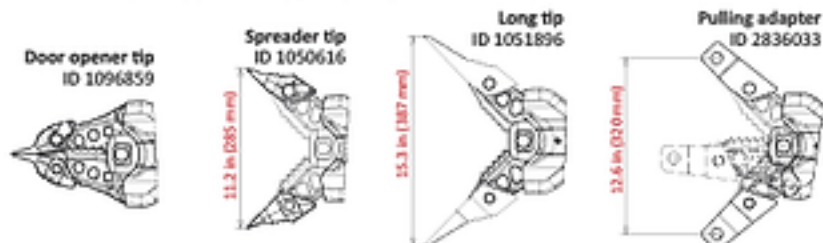
METRIC

STANDARD

	METRIC	STANDARD
Length (mm/in)	790	31.1
Width (mm/in)	192	7.6
Height (mm/in)	228	9
Weight (kg/lbs)	13.3	29.3
Cutting Opening (mm/in)	215	8.5
Spreading Width (mm/in) ▼	285	11.2
Pulling Distance (mm/in) ▼	320	12.6
Highest Spreading Force (kN/lbf)	30	6,744
Lowest Spreading Force (kN/lbf)	26	5,845
Highest Pulling Force (kN/lbf)	39	8,768
Lowest Pulling Force (kN/lbf)	36	8,093
NFPA Cut Rating	A6-B7-C6-D7-E7-F3	A6-B7-C6-D7-E7-F3
Nominal Pressure (bar/psi)	700	10,000
Ingress Protection Rating	IP68*	

*IP 68 if the closed battery cover is used
IP 54 if the open battery cover is used

▼ Distances require applicable tip/adaptor (pictured below).



Images and Specifications are subject to change without notice



22-54 SLi Telescopic Ram

Rev:2
04.01.24

Part Number: 1100145GRS

SLi



-  18V BATTERY
-  SUBMERSIBLE
-  GEOFENCE
-  SERVICE MODE
-  TRAINING MODE
-  WIRELESS
-  LED LIGHTS

TECHNICAL SPECS

METRIC

STANDARD

	METRIC	STANDARD
Closed Length - Retracted (mm/in)	586	22
Final Length - Extended (mm/in)	1,386	54.6
Width (mm/in)	156	6.1
Height (mm/in)	345	13.6
Weight (kg/lbs)	21.6	47.6
Stroke Stage 1/Stage 2 (mm/in)	428/372	16.9/14.6
Force Stage 1/Stage 2 (kN/lbf)	108/62	24,279/13,938
Operating Pressure (bar/psi)	550	8,000
Ingress Protection Rating	IP68*	

*IP 68 if the closed battery cover is used. IP 54 if the open battery cover is used.

Images and Specifications are subject to change without notice



S44-SLI

Rev: 2
11.29.23

Part Number: 1101468GRS

SLI



-  18V BATTERY
-  SUBMERSIBLE
-  GEOFENCE
-  SERVICE MODE
-  TRAINING MODE
-  WIRELESS
-  HANDLE
-  LED LIGHTS

TECHNICAL SPECS

	METRIC	STANDARD
Length (mm/in)	893	35.2
Width (mm/in)	239	9.4
Height (mm/in)	228	9
Weight (kg/lbs)	17.2	38
Spreading Width (mm/in)	610	24
Pulling Distance (mm/in)	465	18.3
Highest Spreading Force (kN/lbf)	52	11,690
Lowest Spreading Force (kN/lbf)	41	9,217
Highest Pulling Force (kN/lbf)	42	9,442
Lowest Pulling Force (kN/lbf)	21	4,721
Nominal Pressure (bar/psi)	700	10,000
Ingress Protection Rating	IP68*	

*IP 68 if the closed battery cover is used. IP 54 if the open battery cover is used.

Images and Specifications are subject to change without notice