APPPENDIX C —STATEMENT OF REQUIREMENTS (SOR)

PARLIAMENTARY PROTECTIVE SERVICE PROCUREMENT OF HOSTILE VEHICLE MITIGATION BARRIERS

1. **Introduction**: The purpose of this SOR is to inform industry that the Parliamentary Protective Service (PPS) intends to buy Hostile Vehicle Mitigation (HVM) Barriers, therefore allowing suppliers to consult this document and then refer to the Request for Proposal document to submit a proposal accordingly. PPS will enhance and acquire the capability to deploy crash rated HVM barriers to protect against vehicle borne threats. Crash rated HVM barriers will be deployed in areas within the Parliamentary Precinct to enhance or augment the security infrastructure on an as required basis in order to protect Canadian citizens and visitors right to access Parliament in a secure and safe manner.

2. **Statement of Requirements:**

a. **Intent:** The intent of PPS is to acquire the capability to rapidly deploy certified HVM barriers within the Parliamentary Precinct to block vehicle borne hostile threat actors' access to Parliament Hill along key avenues of ingress and egress (e.g., vehicle denied access to Parliament Hill). The HVM barriers will be deployed to support the expansion of the Parliamentary Precinct on an as required basis and will enhance the overall security posture. PPS has rented deployable HVM barriers to deny access to pathways, roads or sidewalks in order to augment or enhanced the overall physical security posture of the Parliamentary Precinct. PPS has initiated the procurement process with the intent to procure HVM barriers from industry. PPS has outlined the mandatory and optional requirements for HVM barriers below. The requirements span the scope of certifications, crash specifications, environmental factors, operator use, maintenance, and physical characteristics.

3. **PPS Responsibility:**

a. PPS Shall be responsible for the following:

(1) **Inspection and control:** PPS reserves the right to perform any additional tests and inspections when such are considered necessary to ensure that the supplier has met the requirements stipulated in the contract. If during these additional tests and inspections, PPS finds the equipment to be non-compliant, the supplier will be responsible to undertake the necessary corrective action(s) to achieve compliance with the products certification(s) outlined in this document.

4. **Suppliers' Responsibility:**

a. The supplier shall be responsible for the following:

(1) Provide PPS with a timeline and expected date of delivery upon receipt of signed contract and purchase order.

(2) Ensure that all equipment is delivered as stipulated in the contract.

5. **Delivery Location:** PPS Quartermaster, 2303 Stevenage Dr, Ottawa, ON K1G 3W1

6. **Warranty**: All items purchased by PPS shall be fully guaranteed against all manufacturers' defects in accordance with the manufacturers' warranty from the date of delivery.

7. **Discontinued items**: Should any item become discontinued or be temporarily unavailable at any time during the term of the agreement, the supplier shall notify the PPS Project Authority immediately. The equipment must be replaced by an alternative product of comparable or better quality, price, and/or applicable percentage discount, and its acceptance shall be subject to the prior approval of the PPS Technical Authority and Project Authority or their designate.

    a. Reference below table, proponents should refer to the RFP document to access the instructions on how to provide their responses in order to demonstrate how the proposed solution meet the requirements.

Item	Functional Requirements Mandatory Criteria (Pass/Fail)	How Requirement is Met or Alternative
FM1	**Certifications:** The company must provide certifications with testing conditions/perimeters and number of units to create a certified barrier system if barriers must be linked together. Example: ASTM F2656 M50 P3 Vehicle Class = M (small & large sedans, SUVs, pickups, and trucks up to 6800 kg) Vehicle Speed = 50 kph Penetration = P3 7.01 to 30m Testing Conditions**:** "X" barriers linked certified deployment.	Refer to the RFP document to access all the evaluation criteria and the instructions on how to provide your response.
FM2	**Crash Specifications:** Capable of sufficiently disabling the below vehicles to stop its movement, engine destroyed, and/or vehicles disabled. Capable of stopping a range of vehicles to include but not limited to: a. Motorcycles; b. Passenger small cars; c. Passenger full-size cars; d. Light pickup trucks and vans; and	Refer to the RFP document to access all the evaluation criteria and the instructions on how to provide your response.

	e. Heavy trucks up to 7.5 tons.	
FM3	**Environmental Factors:** Capable of operating in a range of environments to include but not limited to: a. Operable and resistant to Canadian inclement weather conditions (Heat, Wind, Rain, Freezing Rain, Snow, Sleet, or a combination of); b. Operation Temperatures ranging from -40 to +60 Degrees Celsius; c. Corrosion resistant and able to operate in areas with high levels of salinity and gravel (Road Salt and Gravel) Winter Environments—Ottawa, Canada); and d. Adaptable to all surfaces and terrains (sidewalks, gradients, rough roads, wet, dry, icy, snow-covered).	Refer to the RFP document to access all the evaluation criteria and the instructions on how to provide your response.
FM4	Supplier shall provide the companies list of HVM barrier certification(s). Example: a. ASTM F2656; b. IWA 14-1; c. ISO 45,001 d. BSI PAS 68 ; and/or Other.	Refer to the RFP document to access all the evaluation criteria and the instructions on how to provide your response.
FM5	Supplier must meet the below-certified qualification standards. **Minimum Certified Qualification** ASTM Designation: M30 P3 Vehicle Class: M (small & large sedans, SUVs, pickups, and trucks up to 6800 kg) Vehicle Speed: 30 kph Penetration: P3 7.01 to 30m **Ideal Certified Qualification**	Refer to the RFP document to access all the evaluation criteria and the instructions on how to provide your response.

	ASTM Designation: M50 P3 Vehicle Class: M (small & large sedans, SUVs, pickups, and trucks up to 6800 kg) Vehicle Speed: 50 kph Penetration: P3 7.01 to 30m	
FM6	Supplier shall meet the below specifications. Maximum dimensions and weight requirements deployed: a. Max width — 80 cm, b. Max length/depth — 120 cm, c. Max height — 100 cm, d. Max weight—Less than 100 lbs (45 kg), and e. Unless linked, max distance between certified barriers—80 cm.	Refer to the RFP document to access all the evaluation criteria and the instructions on how to provide your response.
Item	**Functional and Optional Technical Requirements**	**How Requirement is Met or Alternative**
FO1	**Operational Factors:** Supplier should provide information on whether or not they meet the following requirements: a. High-visibility markings; b. Lightweight, less than 100 lbs (45 kg) per barrier; c. Assembly without any specialized tools; d. Rapid assembly per unit less than 3 minutes per unit; e. One person installation and dismantle; f. Minimal Maintenance and Long lifecycle;	Refer to the RFP document to access all the evaluation criteria and the instructions on how to provide your response.

	g. Minimal small parts, spare parts available, and no consumable or expended parts (e.g., compressed gas or fusible links); h. Foldable and compact; i. Easy to store; j. Modular and Linkable; k. Movable when assembled—gate function with wheels or option for attachment wheels to aid in mobility; l. No ground anchor attachments; m. All risks of contact with sharp edges or risk of cutting persons are protected from accidental injury; n. Tamper resistant and deterrent to theft; and o. Maximum Dimensions & Weight requirements: (1) Width — 80 cm, (2) Length/depth — 120 cm, (3) Height — 100 cm, (4) Less than — 100 lbs (45 kg), and (5) Unless linked, max distance between certified barriers — 80 cm.	
FO2	**Optional Requirements:** If available, the supplier should provide information on the following: a. Training curriculum, users or operator guide(s), video(s) and/or certification(s) of operation	Refer to the RFP document to access all the evaluation criteria and the instructions on how to provide your response.

	provided by the manufacture/company. b. Custom colours and branding. c. Accessories such as lights to aid in visibility. d. Adjustability of barrier e. Assembly without any tools. f. A walk through designed to permit pedestrian foot traffic access through the barrier system. g. Angled impact test results/certifications. h. Integrated storage solution. i. Does not incite panic and is not threatening. j. Transportation storage and staging protected enclosure or container. k. Patented Technology.	