

Document Summary

Detail Type	Detail
Event ID	0000024287
Commodity	Combination Body Armor
Attachment (Exhibit)	Exhibit 4F
Addendum	4
Group-Class	N/A
Bid Specification	8470-0211440-1
Revision Level	2
Revision Date	4/11/2023
Agency Name	Statewide

Revision History

Bid Spec	Rev Level	Revision Date	Author	Summary of Changes
8470-0211440-1	0	9/29/2022	William Minton	Initial Release
8470-0211440-1	1	3/15/2023	William Minton	Deletion of 3.4.5
8470-0211440-1	2	4/11/2023	William Minton	Deletion in Section 3.3.3

1 SCOPE

This specification establishes requirements and specifications for combination (ballistic /stab) body armor intended to protect a human torso against gunfire and spike threats. Armor shall be designed to;

- provide protection to vital organs.
- cover front, back and side areas of torso.
- provide wearer protection with comfort and minimum loss of mobility.

2 APPLICABLE LAWS AND INDUSTRY STANDARDS

The following standards, law and regulations of the issue in effect on the date of the Invitation for Bid form a part of this specification to the extent specified herein. The unit is required to meet all regulations, standards and laws including revisions, at time of unit acceptance and through the term of the contract:

2.1 COMPLIANT PRODUCTS LIST BY NATIONAL INSTITUTE OF JUSTICE (NIJ)

3 TECHNICAL REQUIREMENTS

3.1 NIJ CERTIFICATION

3.1.1 Armor shall be active on the Compliant Products List by National Institute of Justice (NIJ) for:

3.1.2 Ballistic Level IIIA per standard 0101.06.

3.1.3 Spike Level 3 per Standard 0115.00.

3.2 PROTECTION / THREAT LEVEL / DENSITY AND THICKNESS

3.2.1 Protection level for Ballistic shall be Level IIIA.

3.2.2 Protection level for stab shall be Spike Level 3.

3.2.3 Armor panels shall have areal density ≤ 1.5 pound/ft² and thickness ≤ 0.42 inches

3.3 CONFIGURATION

3.3.1 Carrier shall be designed to facilitate removal of front panel, back panel and optional soft trauma plate.

3.3.2 Armor shall be concealable type.

3.3.3 Adjustable elastic shoulder and side straps shall be provided for proper fitting ~~and female version shall be configured with appropriate contouring.~~

3.4 ARMOR PANELS

3.4.1 Front armor panel shall provide coverage from the collarbone to the waist without causing "push up under the chin" when wearer is seated.

3.4.2 Back armor panel shall fully cover the back area.

3.4.3 Front armor panel shall have extended sides and overlap back ballistic/stake panel by ≥ 2 inches.

3.4.4 Armor panels shall provide full coverage for front, back and sides without restricting arm movement.

3.5 CARRIER

3.5.1 Carrier shall be color matched, machine washable, lined with breathable material and have pockets in the front and back to securely retain armor panels.

3.5.2 Each pocket shall facilitate unrestricted insertion and removal of armor panels.

3.5.3 Pockets shall have a secure closure to retain armor panels during body movements.

3.5.4 Shoulder straps shall be between 2 to 2.5 inches wide and attached with "Hook and Loop" type fastener to the front portion.

3.5.5 Carrier shall have adjustable elastic straps on each side under the arms for closure.

3.5.6 Side straps shall attach to the front section by mating "Hook and Loop" type fasteners.

3.5.7 Side straps shall prevent "curl-ups" and allow for a ≥ 4 inches circumferential adjustment while maintaining overlap.

3.5.8 Carrier shall have a back shirttail and a front shirttail that accommodates trouser fly.

3.5.9 Carrier color to be identified in Purchase Order and available colors shall include white, black, dark blue, tan, olive drab green or dark green.

3.6 SIZES

- 3.6.1 Armor shall be listed for sizes C1, C2, C3, C4 and C5 as defined by NIJ.
- 3.6.2 Unless otherwise noted, body armor sizes shall be consistent with recognized United States garment retail measurements and tolerances as shown in Table I.
- 3.6.3 Each size shall have 2 inches length difference between Short and Regular and between Regular and Long and each Regular size shall be available in lengths of “Regular +1 inch” and “Regular –1 inch”.

Table I

SIZE	LENGTH	CHEST
(C1) EXTRA SMALL (XS)	S/R/L	30–32
(C2) SMALL (S)	S/R/L	34-36
(C3) MEDIUM (M)	S/R/L	38–40
(C4) LARGE (L)	S/R/L	42–44
(C5) EXTRA LARGE (XL)	S/R/L	46–50
SPECIAL ORDER	Dimensions as provided	Dimensions as provided

Document Summary

Detail Type	Detail
Event ID	0000024287
Commodity	Body Armor IIIA
Attachment (Exhibit)	Exhibit 4A
Addendum	4
Group-Class	N/A
Bid Specification	8470-0211440-2
Revision Level	2
Revision Date	4/11/2023
Agency Name	Statewide

Revision History

Bid Spec	Rev Level	Revision Date	Author	Summary of Changes
8470-0211440-2	0	9/29/2022	William Minton	Initial Release
8470-0211440-2	1	3/15/2023	William Minton	Deletion of 3.4.5
8470-0211440-2	2	4/11/2023	William Minton	Deletion in Sections 3.1.1 and 3.3.3

1 SCOPE

This specification establishes requirements and specifications for ballistic body armor intended to protect a human torso against gunfire threats. Armor shall be designed to;

- provide protection to vital organs.
- cover front, back and side areas of torso.
- provide wearer protection with comfort and minimum loss of mobility.

2 APPLICABLE LAWS AND INDUSTRY STANDARDS

The following standards, law and regulations of the issue in effect on the date of the Invitation for Bid form a part of this specification to the extent specified herein. The unit is required to meet all regulations, standards and laws including revisions, at time of unit acceptance and through the term of the contract:

2.1 COMPLIANT PRODUCTS LIST BY NATIONAL INSTITUTE OF JUSTICE (NIJ)

3 TECHNICAL REQUIREMENTS

3.1 NIJ CERTIFICATION

- 3.1.1 Armor shall be active for status ~~and neutral for gender~~ on the Compliant Products List by National Institute of Justice (NIJ) for Ballistic Level IIIA per standard 0101.06.

3.2 PROTECTION / THREAT LEVEL / DENSITY AND THICKNESS

- 3.2.1 Protection level for Ballistic shall be Level IIIA.
3.2.2 Armor panels shall have areal density ≤ 1.15 pounds/ft² and thickness ≤ 0.30 inches

3.3 CONFIGURATION

- 3.3.1 Carrier shall be designed to facilitate removal of front panel, back panel and optional 5 inches X 8 inches hard or soft trauma plate.
3.3.2 Armor shall be concealable type.
3.3.3 Adjustable elastic shoulder and side straps shall be provided for proper fitting ~~and female version shall be configured with appropriate contouring.~~

3.4 ARMOR PANELS

- 3.4.1 Front armor panel shall provide coverage from the collarbone to the waist without causing "push up under the chin" when wearer is seated.
3.4.2 Back armor panel shall fully cover the back area.
3.4.3 Front armor panel shall have extended sides and overlap back ballistic/stake panel by ≥ 2 inches.
3.4.4 Armor panels shall provide full coverage for front, back and sides without restricting arm movement.

3.5 CARRIER

- 3.5.1 Carrier shall be color matched, machine washable, lined with breathable material and have pockets in the front and back to securely retain armor panels.
3.5.2 Each pocket shall facilitate unrestricted insertion and removal of armor panels.
3.5.3 Pockets shall have a secure closure to retain armor panels during body movements.
3.5.4 5 inches X 8 inches hard or soft trauma plate pocket shall be front external top loading.
3.5.5 Shoulder straps shall be between 2 to 2.5 inches wide and attached with "Hook and Loop" type fastener to the front portion.
3.5.6 Carrier shall have adjustable elastic straps on each side under the arms for closure.
3.5.7 Side straps shall attach to the front section by mating "Hook and Loop" type fasteners.
3.5.8 Side straps shall prevent "curl-ups" and allow for a ≥ 4 inches circumferential adjustment while maintaining overlap.
3.5.9 Carrier shall have a back shirttail and a front shirttail that accommodates trouser fly.

3.5.10 Carrier color to be identified in Purchase Order and available colors shall include white, black, dark blue, tan, olive drab green or dark green.

3.6 SIZES

- 3.6.1 Armor shall be listed for sizes C1, C2, C3, C4 and C5 as defined by NIJ.
- 3.6.2 Unless otherwise noted, body armor sizes shall be consistent with recognized United States garment retail measurements and tolerances as shown in Table I.
- 3.6.3 Each size shall have 2 inches length difference between Short and Regular and between Regular and Long and each Regular size shall be available in lengths of “Regular +1 inch” and “Regular –1 inch”.

Table I

SIZE	LENGTH	CHEST
(C1) EXTRA SMALL (XS)	S/R/L	30–32
(C2) SMALL (S)	S/R/L	34-36
(C3) MEDIUM (M)	S/R/L	38–40
(C4) LARGE (L)	S/R/L	42–44
(C5) EXTRA LARGE (XL)	S/R/L	46–50
SPECIAL ORDER	Dimensions as provided	Dimensions as provided

Document Summary

Detail Type	Detail
Event ID	0000024287
Commodity	Body Armor II
Attachment (Exhibit)	Exhibit 4C
Addendum	4
Group-Class	N/A
Bid Specification	8470-0211440-3
Revision Level	2
Revision Date	4/11/2023
Agency Name	Statewide

Revision History

Bid Spec	Rev Level	Revision Date	Author	Summary of Changes
8470-0211440-3	0	9/29/2022	William Minton	Initial Release
8470-0211440-3	1	3/15/2023	William Minton	Deletion of 3.4.5
8470-0211440-3	2	4/11/2023	William Minton	Deletion in Sections 3.1.1 and 3.3.3

1 SCOPE

This specification establishes requirements and specifications for ballistic body armor intended to protect a human torso against gunfire threats. Armor shall be designed to;

- provide protection to vital organs.
- cover front, back and side areas of torso.
- provide wearer protection with comfort and minimum loss of mobility.

2 APPLICABLE LAWS AND INDUSTRY STANDARDS

The following standards, law and regulations of the issue in effect on the date of the Invitation for Bid form a part of this specification to the extent specified herein. The unit is required to meet all regulations, standards and laws including revisions, at time of unit acceptance and through the term of the contract:

2.1 COMPLIANT PRODUCTS LIST BY NATIONAL INSTITUTE OF JUSTICE (NIJ)

3 TECHNICAL REQUIREMENTS

3.1 NIJ CERTIFICATION

3.1.1 Armor shall be active for status ~~and neutral for gender~~ on the Compliant Products List by National Institute of Justice (NIJ) for Ballistic Level II per standard 0101.06.

3.2 PROTECTION / THREAT LEVEL / DENSITY AND THICKNESS

- 3.2.1 Protection level for Ballistic shall be Level II.
- 3.2.2 Armor panels shall have areal density ≤ 0.85 pounds/ft² and thickness ≤ 0.21 inches

3.3 CONFIGURATION

- 3.3.1 Carrier shall be designed to facilitate removal of front panel, back panel and optional 5 inches X 8 inches hard or soft trauma plate.
- 3.3.2 Armor shall be concealable type.
- 3.3.3 Adjustable elastic shoulder and side straps shall be provided for proper fitting ~~and female version shall be configured with appropriate contouring.~~

3.4 ARMOR PANELS

- 3.4.1 Front armor panel shall provide coverage from the collarbone to the waist without causing "push up under the chin" when wearer is seated.
- 3.4.2 Back armor panel shall fully cover the back area.
- 3.4.3 Front armor panel shall have extended sides and overlap back ballistic/stake panel by ≥ 2 inches.
- 3.4.4 Armor panels shall provide full coverage for front, back and sides without restricting arm movement.

3.5 CARRIER

- 3.5.1 Carrier shall be color matched, machine washable, lined with breathable material and have pockets in the front and back to securely retain armor panels.
- 3.5.2 Each pocket shall facilitate unrestricted insertion and removal of armor panels.
- 3.5.3 Pockets shall have a secure closure to retain armor panels during body movements.
- 3.5.4 5 inches X 8 inches hard or soft trauma plate pocket shall be front external top loading.
- 3.5.5 Shoulder straps shall be between 2 to 2.5 inches wide and attached with "Hook and Loop" type fastener to the front portion.
- 3.5.6 Carrier shall have adjustable elastic straps on each side under the arms for closure.
- 3.5.7 Side straps shall attach to the front section by mating "Hook and Loop" type fasteners.
- 3.5.8 Side straps shall prevent "curl-ups" and allow for a ≥ 4 inches circumferential adjustment while maintaining overlap.
- 3.5.9 Carrier shall have a back shirttail and a front shirttail that accommodates trouser fly.
- 3.5.10 Carrier color to be identified in Purchase Order and available colors shall include white, black, dark blue, tan, olive drab green or dark green.

3.6 SIZES

- 3.6.1 Armor shall be listed for sizes C1, C2, C3, C4 and C5 as defined by NIJ.

- 3.6.2 Unless otherwise noted, body armor sizes shall be consistent with recognized United States garment retail measurements and tolerances as shown in Table I.
- 3.6.3 Each size shall have 2 inches length difference between Short and Regular and between Regular and Long and each Regular size shall be available in lengths of “Regular +1 inch” and “Regular –1 inch”.

Table I

SIZE	LENGTH	CHEST
(C1) EXTRA SMALL (XS)	S/R/L	30–32
(C2) SMALL (S)	S/R/L	34-36
(C3) MEDIUM (M)	S/R/L	38–40
(C4) LARGE (L)	S/R/L	42–44
(C5) EXTRA LARGE (XL)	S/R/L	46–50
SPECIAL ORDER	Dimensions as provided	Dimensions as provided

Document Summary

Detail Type	Detail
Event ID	0000024287
Commodity	Female Body Armor IIIA
Attachment (Exhibit)	Exhibit 4B
Addendum	N/A
Group-Class	N/A
Bid Specification	8470-0211440-4
Revision Level	1
Revision Date	3/15/2023
Agency Name	Statewide

Revision History

Bid Spec	Rev Level	Revision Date	Author	Summary of Changes
8470-0211440-4	0	9/29/2022	William Minton	Initial Release
8470-0211440-4	1	3/15/2023	William Minton	Deletion of 3.4.5

1 SCOPE

This specification establishes requirements and specifications for female ballistic body armor intended to protect a human torso against gunfire threats. Armor shall be designed to;

- provide protection to vital organs.
- cover front, back and side areas of torso.
- provide wearer protection with comfort and minimum loss of mobility.

2 APPLICABLE LAWS AND INDUSTRY STANDARDS

The following standards, law and regulations of the issue in effect on the date of the Invitation for Bid form a part of this specification to the extent specified herein. The unit is required to meet all regulations, standards and laws including revisions, at time of unit acceptance and through the term of the contract:

2.1 COMPLIANT PRODUCTS LIST BY NATIONAL INSTITUTE OF JUSTICE (NIJ)

3 TECHNICAL REQUIREMENTS

3.1 NIJ CERTIFICATION

- 3.1.1 Armor shall be active for status and female for gender on the Compliant Products List by National Institute of Justice (NIJ) for Ballistic Level IIIA per standard 0101.06.

3.2 PROTECTION / THREAT LEVEL / DENSITY AND THICKNESS

- 3.2.1 Protection level for Ballistic shall be Level IIIA.
- 3.2.2 Armor panels shall have areal density ≤ 1.25 pounds/ft² and thickness ≤ 0.31 inches

3.3 CONFIGURATION

- 3.3.1 Carrier shall be designed to facilitate removal of front panel, back panel and optional 5 inches X 8 inches hard or soft trauma plate.
- 3.3.2 Armor shall be concealable type.
- 3.3.3 Adjustable elastic shoulder and side straps shall be provided for proper fitting and shall be configured with appropriate contouring for female body figure.

3.4 ARMOR PANELS

- 3.4.1 Front armor panel shall provide coverage from the collarbone to the waist without causing "push up under the chin" when wearer is seated.
- 3.4.2 Back armor panel shall fully cover the back area.
- 3.4.3 Front armor panel shall have extended sides and overlap back ballistic/stake panel by ≥ 2 inches.
- 3.4.4 Armor panels shall provide full coverage for front, back and sides without restricting arm movement.

~~3.4.5 Armor panels shall be constructed of one-piece material without separable layers.~~

3.5 CARRIER

- 3.5.1 Carrier shall be color matched, machine washable, lined with breathable material and have pockets in the front and back to securely retain armor panels.
- 3.5.2 Each pocket shall facilitate unrestricted insertion and removal of armor panels.
- 3.5.3 Pockets shall have a secure closure to retain armor panels during body movements.
- 3.5.4 5 inches X 8 inches hard or soft trauma plate pocket shall be front external top loading.
- 3.5.5 Shoulder straps shall be between 2 to 2.5 inches wide and attached with "Hook and Loop" type fastener to the front portion.
- 3.5.6 Carrier shall have adjustable elastic straps on each side under the arms for closure.
- 3.5.7 Side straps shall attach to the front section by mating "Hook and Loop" type fasteners.
- 3.5.8 Side straps shall prevent "curl-ups" and allow for a ≥ 4 inches circumferential adjustment while maintaining overlap.
- 3.5.9 Carrier shall have a back shirttail and a front shirttail that accommodates trouser fly.
- 3.5.10 Carrier color to be identified in Purchase Order and available colors shall include white, black, dark blue, tan, olive drab green or dark green.

3.6 SIZES

- 3.6.1 Armor shall be listed for sizes C1, C2, C3, C4 and C5 as defined by NIJ.
- 3.6.2 Unless otherwise noted, body armor sizes shall be consistent with recognized United States garment retail measurements and tolerances as shown in Table I.
- 3.6.3 Each size shall have 2 inches length difference between Short and Regular and between Regular and Long and each Regular size shall be available in lengths of “Regular +1 inch” and “Regular –1 inch”.

Table I

SIZE	LENGTH	CHEST
(C1) EXTRA SMALL (XS)	S/R/L	30–32
(C2) SMALL (S)	S/R/L	34-36
(C3) MEDIUM (M)	S/R/L	38–40
(C4) LARGE (L)	S/R/L	42–44
(C5) EXTRA LARGE (XL)	S/R/L	46–50
SPECIAL ORDER	Dimensions as provided	Dimensions as provided

Document Summary

Detail Type	Detail
Event ID	0000024287
Commodity	Stab/Spike Body Armor Level 3
Attachment (Exhibit)	Exhibit 4E
Addendum	4
Group-Class	N/A
Bid Specification	8470-0211440-5
Revision Level	2
Revision Date	4/11/2023
Agency Name	Statewide

Revision History

Bid Spec	Rev Level	Revision Date	Author	Summary of Changes
8470-0211440-5	0	9/29/2022	William Minton	Initial Release
8470-0211440-5	1	3/15/2023	William Minton	Deletion of 3.4.5
8470-0211440-5	2	4/11/2023	William Minton	Deletion in Section 3.3.3

1 SCOPE

This specification establishes requirements and specifications for stab/spike body armor intended to protect a human torso against stab/spike threats. Armor shall be designed to;

- provide protection to vital organs.
- cover front, back and side areas of torso.
- provide wearer protection with comfort and minimum loss of mobility.

2 APPLICABLE LAWS AND INDUSTRY STANDARDS

The following standards, law and regulations of the issue in effect on the date of the Invitation for Bid form a part of this specification to the extent specified herein. The unit is required to meet all regulations, standards and laws including revisions, at time of unit acceptance and through the term of the contract:

2.1 COMPLIANT PRODUCTS LIST BY NATIONAL INSTITUTE OF JUSTICE (NIJ)

3 TECHNICAL REQUIREMENTS

3.1 NIJ CERTIFICATION

3.1.1 Armor shall be listed on the Compliant Products List by National Institute of Justice (NIJ) for Spike Level 3 per Standard 0115.00.

3.2 PROTECTION / THREAT LEVEL / DENSITY AND THICKNESS

3.2.1 Protection level for stab/spike shall be Spike Level 3.

3.2.2 Armor panels shall have areal density ≤ 0.60 pounds/ft² and thickness ≤ 0.18 inches

3.3 CONFIGURATION

3.3.1 Carrier shall be designed to facilitate removal of front panel, back panel and optional soft trauma plate.

3.3.2 Armor shall be concealable type.

3.3.3 Adjustable elastic shoulder and side straps shall be provided for proper fitting ~~and female version shall be configured with appropriate contouring.~~

3.4 ARMOR PANELS

3.4.1 Front armor panel shall provide coverage from the collarbone to the waist without causing 'push up under the chin' when wearer is seated.

3.4.2 Back armor panel shall fully cover the back area.

3.4.3 Front armor panel shall have extended sides and overlap back ballistic/stake panel by ≥ 2 inches.

3.4.4 Armor panels shall provide full coverage for front, back and sides without restricting arm movement.

3.5 CARRIER

3.5.1 Carrier shall be color matched, machine washable, lined with breathable material and have pockets in the front and back to securely retain armor panels.

3.5.2 Each pocket shall facilitate unrestricted insertion and removal of armor panels.

3.5.3 Pockets shall have a secure closure to retain armor panels during body movements.

3.5.4 Shoulder straps shall be between 2 to 2.5 inches wide and attached with "Hook and Loop" type fastener to the front portion.

3.5.5 Carrier shall have adjustable elastic straps on each side under the arms for closure.

3.5.6 Side straps shall attach to the front section by mating "Hook and Loop" type fasteners.

3.5.7 Side straps shall prevent "curl-ups" and allow for a ≥ 4 inches circumferential adjustment while maintaining overlap.

3.5.8 Carrier shall have a back shirttail and a front shirttail that accommodates trouser fly.

3.5.9 Carrier color to be identified in Purchase Order and available colors shall include white, black, dark blue, tan, olive drab green or dark green.

3.6 SIZES

3.6.1 Unless otherwise noted, body armor sizes shall be consistent with recognized United States garment retail measurements and tolerances as shown in Table I.

3.6.2 Each size shall have 2 inches length difference between Short and Regular and between Regular and Long and each Regular size shall be available in lengths of “Regular +1 inch” and “Regular –1 inch”.

Table I

SIZE	LENGTH	CHEST
EXTRA SMALL (XS)	S/R/L	30–32
SMALL (S)	S/R/L	34-36
MEDIUM (M)	S/R/L	38–40
LARGE (L)	S/R/L	42–44
EXTRA LARGE (XL)	S/R/L	46–50
SPECIAL ORDER	Dimensions as provided	Dimensions as provided

Document Summary

Detail Type	Detail
Event ID	0000024287
Commodity	Female Body Armor II
Attachment (Exhibit)	Exhibit 4D
Addendum	N/A
Group-Class	N/A
Bid Specification	8470-0211440-6
Revision Level	1
Revision Date	3/15/2023
Agency Name	Statewide

Revision History

Bid Spec	Rev Level	Revision Date	Author	Summary of Changes
8470-0211440-6	0	9/29/2022	William Minton	Initial Release
8470-0211440-6	1	3/15/2023	William Minton	Deletion of 3.4.5

1 SCOPE

This specification establishes requirements and specifications for female ballistic body armor intended to protect a human torso against gunfire threats. Armor shall be designed to;

- provide protection to vital organs.
- cover front, back and side areas of torso.
- provide wearer protection with comfort and minimum loss of mobility.

2 APPLICABLE LAWS AND INDUSTRY STANDARDS

The following standards, law and regulations of the issue in effect on the date of the Invitation for Bid form a part of this specification to the extent specified herein. The unit is required to meet all regulations, standards and laws including revisions, at time of unit acceptance and through the term of the contract:

2.1 COMPLIANT PRODUCTS LIST BY NATIONAL INSTITUTE OF JUSTICE (NIJ)

3 TECHNICAL REQUIREMENTS

3.1 NIJ CERTIFICATION

3.1.1 Armor shall be active for status and female for gender on the Compliant Products List by National Institute of Justice (NIJ) for Ballistic Level II per standard 0101.06.

3.2 PROTECTION / THREAT LEVEL / DENSITY AND THICKNESS

3.2.1 Protection level for Ballistic shall be Level II.

3.2.2 Armor panels shall have areal density ≤ 0.9 pounds/ft² and thickness ≤ 0.24 inches

3.3 CONFIGURATION

3.3.1 Carrier shall be designed to facilitate removal of front panel, back panel and optional 5 inches X 8 inches hard or soft trauma plate.

3.3.2 Armor shall be concealable type.

3.3.3 Adjustable elastic shoulder and side straps shall be provided for proper fitting and shall be configured with appropriate contouring for female body figure.

3.4 ARMOR PANELS

3.4.1 Front armor panel shall provide coverage from the collarbone to the waist without causing "push up under the chin" when wearer is seated.

3.4.2 Back armor panel shall fully cover the back area.

3.4.3 Front armor panel shall have extended sides and overlap back ballistic/stake panel by ≥ 2 inches.

3.4.4 Armor panels shall provide full coverage for front, back and sides without restricting arm movement.

~~3.4.5 Armor panels shall be constructed of one-piece material without separable layers.~~

3.5 CARRIER

3.5.1 Carrier shall be color matched, machine washable, lined with breathable material and have pockets in the front and back to securely retain armor panels.

3.5.2 Each pocket shall facilitate unrestricted insertion and removal of armor panels.

3.5.3 Pockets shall have a secure closure to retain armor panels during body movements.

3.5.4 5 inches X 8 inches hard or soft trauma plate pocket shall be front external top loading.

3.5.5 Shoulder straps shall be between 2 to 2.5 inches wide and attached with "Hook and Loop" type fastener to the front portion.

3.5.6 Carrier shall have adjustable elastic straps on each side under the arms for closure.

3.5.7 Side straps shall attach to the front section by mating "Hook and Loop" type fasteners.

3.5.8 Side straps shall prevent "curl-ups" and allow for a ≥ 4 inches circumferential adjustment while maintaining overlap.

3.5.9 Carrier shall have a back shirttail and a front shirttail that accommodates trouser fly.

3.5.10 Carrier color to be identified in Purchase Order and available colors shall include white, black, dark blue, tan, olive drab green or dark green.

3.6 SIZES

3.6.1 Armor shall be listed for sizes C1, C2, C3, C4 and C5 as defined by NIJ.

- 3.6.2 Unless otherwise noted, body armor sizes shall be consistent with recognized United States garment retail measurements and tolerances as shown in Table I.
- 3.6.3 Each size shall have 2 inches length difference between Short and Regular and between Regular and Long and each Regular size shall be available in lengths of “Regular +1 inch” and “Regular –1 inch”.

Table I

SIZE	LENGTH	CHEST
(C1) EXTRA SMALL (XS)	S/R/L	30–32
(C2) SMALL (S)	S/R/L	34-36
(C3) MEDIUM (M)	S/R/L	38–40
(C4) LARGE (L)	S/R/L	42–44
(C5) EXTRA LARGE (XL)	S/R/L	46–50
SPECIAL ORDER	Dimensions as provided	Dimensions as provided

Document Summary

Detail Type	Detail
Event ID	0000024287
Commodity	Plate Rack System
Attachment (Exhibit)	Exhibit 4H
Addendum	N/A
Group-Class	N/A
Bid Specification	8470-0211440-7
Revision Level	0
Revision Date	12/6/2022
Agency Name	Statewide

Revision History

Bid Spec	Rev Level	Revision Date	Author	Summary of Changes
8470-0211440-7	0	12/6/2022	William Minton	Initial Release

1 SCOPE

This specification establishes requirements and specifications for a Plate Rack System combination soft and hard ballistic body armor intended to protect a human torso against rifle rated threats. Armor shall be designed to;

- provide protection to vital organs.
- cover front, back and side areas of torso.
- provide wearer protection with comfort and minimum loss of mobility.

2 APPLICABLE LAWS AND INDUSTRY STANDARDS

The following standards, law and regulations of the issue in effect on the date of the Invitation for Bid form a part of this specification to the extent specified herein. The unit is required to meet all regulations, standards and laws including revisions, at time of unit acceptance and through the term of the contract:

2.1 COMPLIANT PRODUCTS LIST BY NATIONAL INSTITUTE OF JUSTICE (NIJ)

3 TECHNICAL REQUIREMENTS

3.1 NIJ CERTIFICATION

- 3.1.1 Armor shall be listed active on the Compliant Products List by National Institute of Justice (NIJ) for:
- 3.1.2 Soft Armor Ballistic Level IIIA per standard 0101.06.

3.1.3 Hard Plate Ballistic Level III per standard 0101.06.

3.2 PROTECTION / THREAT LEVEL / DENSITY, WEIGHT AND THICKNESS

3.2.1 Protection level for Soft Armor Ballistic shall be Level IIIA with areal density ≤ 1.04 lbs./ft² and thickness ≤ 0.25 inches.

3.2.2 Protection level for Hard Plate-Ballistic shall be Level III 10 inches X 12 inches, single or multi curvature, shooters cut with weight ≤ 3.1 lbs. and thickness ≤ 1.3 inches.

3.3 CONFIGURATION

3.3.1 Carrier shall be constructed of ≥ 500 denier nylon.

3.3.2 Carrier color to be identified in Purchase Order and available colors shall include black, dark blue, multi-cam, and Ranger green / OD green.

3.3.3 Body armor shall be configured with both hard plates and soft armor at the same time in the front and rear of the carrier.

3.3.4 Carrier shall have an opening with inside pockets to accommodate 10 inches X 12 inches (Wide x Tall) hard plates and soft armor on both the front and rear of the carrier.

3.3.5 Carrier shall have a 10 inches X 6 inches (Wide x Tall) ballistic soft armor cummerbund on both sides (side areas of torso) of the carrier.

3.3.6 Carrier shall have a rapid or quick release fastener system at the cummerbund attachment point to the front panel.

3.4 OFFICER DOWN STRAP

3.4.1 Shall be located on the back across the upper shoulder area.

3.4.2 Shall lie flat on the carrier when not in use.

3.4.3 shall have strength to drag ≥ 300 lbs.

3.5 BACK PLACARD

3.5.1 Shall have female "Hook and Loop" field ≥ 3 inches in height and the approximate width of the back of the vest, located generally across shoulder blade area and just below the Officer Down Strap.

3.5.2 Shall support male "Hook and Loop" 8 inches X 2 inches (Wide x Tall) placard. the placard will be attached across the top edge and lie generally flat.

3.6 FRONT PLACARD

3.6.1 Shall have female "Hook and Loop" field ≥ 3 inches in height and the approximate width of the front of the vest, located generally across the upper chest region just below the collar opening.

3.6.2 Shall support male "Hook and Loop" 5 inches X 2 inches (Wide x Tall) placard and 3 inches badge patch. The placard and badge will be attached across the top front and lie generally flat.

3.7 MOLLE FASTNER SYSTEM

- 3.7.1 Shall have 1 inch holes in Molle size, laser-cut at 1 inch intervals.
- 3.7.2 Shall accept 1 inch wide strap for Molle attachments.
- 3.7.3 Carrier front side shall have ≥ 6 columns of attachment points.
- 3.7.4 Front top row of the attachment points shall be located approximately 1 inch below the collar opening.
- 3.7.5 Carrier back side shall have ≥ 6 columns of attachment points.
- 3.7.6 Back top row of the attachment points shall be located approximately 1 inch below the Officer Down Strap.
- 3.7.7 Ballistic cummerbund sides shall have ≥ 4 columns (each side) of attachment points.
- 3.7.8 Attachment points shall be horizontally arranged and cover the length and width of the front, back and sides of carrier.

3.8 REQUIRED ACCESSORY OPTIONS

- 3.8.1 Shall include shoulder straps, throat, upper arm pads, groin pad and abdominal/spine pad.
- 3.8.2 All accessories shall meet protection / threat level requirements of soft armor.
- 3.8.3 Shall be constructed from same soft armor material as front and back panels. See Section 3.1.2
- 3.8.4 Shall integrate into the carrier to meet form, fit, function and performance.

Document Summary

Detail Type	Detail
Event ID	0000024287
Commodity	Plate Carrier System Level III
Attachment (Exhibit)	Exhibit 4I
Addendum	N/A
Group-Class	N/A
Bid Specification	8470-0211440-8
Revision Level	0
Revision Date	12/6/2022
Agency Name	Statewide

Revision History

Bid Spec	Rev Level	Revision Date	Author	Summary of Changes
8470-0211440-8	0	12/6/2022	William Minton	Initial Release

1 SCOPE

This specification establishes requirements and specifications for a Plate Carrier System with hard ballistic body armor intended to protect a human torso against rifle rated threats. Armor shall be designed to;

- provide protection to vital organs.
- cover front, back and side areas of torso.
- provide wearer protection with comfort and minimum loss of mobility.

2 APPLICABLE LAWS AND INDUSTRY STANDARDS

The following standards, law and regulations of the issue in effect on the date of the Invitation for Bid form a part of this specification to the extent specified herein. The unit is required to meet all regulations, standards and laws including revisions, at time of unit acceptance and through the term of the contract:

2.1 COMPLIANT PRODUCTS LIST BY NATIONAL INSTITUTE OF JUSTICE (NIJ)

3 TECHNICAL REQUIREMENTS

3.1 NIJ CERTIFICATION

3.1.1 Armor shall be listed active on the Compliant Products List by National Institute of Justice (NIJ) for Hard Plate Ballistic Level III per standard 0101.06.

3.2 PROTECTION / THREAT LEVEL / WEIGHT AND THICKNESS

- 3.2.1 Protection level for Hard Plate-Ballistic shall be Level III 10 inches X 12 inches, single or multi curvature, shooters cut with weight \leq 3.1 pounds and thickness \leq 1.3 inches.

3.3 CONFIGURATION

- 3.3.1 Carrier shall be constructed of \geq 500 denier nylon.
- 3.3.2 Carrier color to be identified in Purchase Order and available colors shall include black, dark blue, multi-cam, and Ranger green / OD green.
- 3.3.3 Body armor shall be configured with hard plates in the front and rear of the carrier.
- 3.3.4 Carrier shall be designed to retain both front and rear armor plates securely to prevent shifting during body movements.
- 3.3.5 Carrier shall have an opening with inside pockets to accommodate 8 inches X 10 inches and 10 inches X 12 inches (Wide x Tall) hard plates in both the front and rear of the carrier.
- 3.3.6 Carrier shall have a cummerbund with side hard armor plates, same as 3.1.1, shall be a minimum of 6 inches X 6 inches (Wide x Tall) on both sides (side areas of torso) of the carrier.
- 3.3.7 Carrier shall have a rapid or quick release fastener system at the cummerbund attachment point to the front panel.
- 3.3.8 Carrier shall have adjustable shoulder straps to allow for proper fitting.
- 3.3.9 Carrier shall have adjustable side straps, both vertical and horizontal, to allow for chest expansion, proper fitting, and alignment of front and rear plate carrier.

3.4 OFFICER DOWN STRAP

- 3.4.1 Shall be located on the back across the upper shoulder area.
- 3.4.2 Shall lie flat on the carrier when not in use.
- 3.4.3 shall have strength to drag \geq 300 pounds.

3.5 BACK PLACARD

- 3.5.1 Shall have female "Hook and Loop" field \geq 2 inches in height and the approximate width of the back of the vest, located generally across shoulder blade area and just below the Officer Down Strap.
- 3.5.2 Shall support male "Hook and Loop" 8 inches X 2 inches (Wide x Tall) placard. the placard will be attached across the top edge and lie generally flat.

3.6 FRONT PLACARD

- 3.6.1 Shall have female "Hook and Loop" field \geq 3 inches in height and the approximate width of the front of the vest, located generally across the upper chest region just below the collar opening.

- 3.6.2 Shall support male “Hook and Loop” 5 inches X 2 inches (Wide x Tall) placard and 3 inches badge patch. The placard and badge will be attached across the top front and lie generally flat.

3.7 MOLLE FASTNER SYSTEM

- 3.7.1 Shall be Modular Lightweight Load-carrying Equipment (MOLLE) compatible and capable of incorporating the Pouch Attachment Ladder System (PALS).
- 3.7.2 Shall have 1 inch holes in Molle size, laser-cut at 1 inch intervals compatible with Molle attachments.
- 3.7.3 Shall accept 1 inch wide strap for Molle attachments.
- 3.7.4 Carrier front side shall have ≥ 6 columns of attachment points.
- 3.7.5 Front top row of the attachment points shall be located approximately 1 inch below the collar opening.
- 3.7.6 Front Molle shall not have stitching that prevents attachment of accessories
- 3.7.7 Carrier back side shall have ≥ 6 columns of attachment points.
- 3.7.8 Back top row of the attachment points shall be located approximately 1 inch below the Officer Down Strap.
- 3.7.9 Cumberbund sides shall have ≥ 2 columns (each side) of attachment points.
- 3.7.10 Attachment points shall be horizontally arranged and cover the length and width of the front, back and sides of carrier.

3.8 REQUIRED ACCESSORY OPTIONS

- 3.8.1 Shall include shoulder pads, throat, upper arm pads, groin pad and abdominal/spine pad, side armor plate pouch (MOLLE mountable).
- 3.8.2 Throat, upper arm pads, groin pad and abdominal/spine pad shall be constructed from same soft armor material that meets protection / threat level requirements of soft armor (Soft Armor Ballistic Level IIIA per standard 0101.06.).
- 3.8.3 Shall integrate into the carrier to meet form, fit, function and performance.

Document Summary

Detail Type	Detail
Event ID	0000024287
Commodity	Plate Carrier System Level IV
Attachment (Exhibit)	Exhibit 4J
Addendum	N/A
Group-Class	N/A
Bid Specification	8470-0211440-9
Revision Level	0
Revision Date	9/29/2022
Agency Name	Statewide

Revision History

Bid Spec	Rev Level	Revision Date	Author	Summary of Changes
8470-0211440-9	0	9/29/2022	William Minton	Initial Release

1 SCOPE

This specification establishes requirements and specifications for a Plate Carrier System with hard ballistic body armor intended to protect a human torso against rifle rated threats. Armor shall be designed to;

- provide protection to vital organs.
- cover front, back and side areas of torso.
- provide wearer protection with comfort and minimum loss of mobility.

2 APPLICABLE LAWS AND INDUSTRY STANDARDS

The following standards, law and regulations of the issue in effect on the date of the Invitation for Bid form a part of this specification to the extent specified herein. The unit is required to meet all regulations, standards and laws including revisions, at time of unit acceptance and through the term of the contract:

2.1 COMPLIANT PRODUCTS LIST BY NATIONAL INSTITUTE OF JUSTICE (NIJ)

3 TECHNICAL REQUIREMENTS

3.1 NIJ CERTIFICATION

3.1.1 Armor shall be listed active on the Compliant Products List by National Institute of Justice (NIJ) for Hard Plate Ballistic Level IV per standard 0101.06.

3.2 PROTECTION / THREAT LEVEL / WEIGHT AND THICKNESS

- 3.2.1 Protection level for Hard Plate-Ballistic shall be Level IV 10 inches X 12 inches, single or multi curvature, shooters cut with weight ≤ 8.0 pounds and thickness ≤ 1.3 inches.

3.3 CONFIGURATION

- 3.3.1 Carrier shall be constructed of ≥ 500 denier nylon.
- 3.3.2 Carrier color to be identified in Purchase Order and available colors shall include black, dark blue, multi-cam, and dark green.
- 3.3.3 Body armor shall be configured with hard plates in the front and rear of the carrier.
- 3.3.4 Carrier shall be designed to retain both front and rear armor plates securely to prevent shifting during body movements.
- 3.3.5 Carrier shall have an opening with inside pockets to accommodate 8 inches X 10 inches and 10 inches X 12 inches (Wide x Tall) hard plates in both the front and rear of the carrier.
- 3.3.6 Carrier shall have a cummerbund with side hard armor plates, same as 3.1.1, shall be a minimum of 6 inches X 6 inches (Wide x Tall) on both sides (side areas of torso) of the carrier.
- 3.3.7 Carrier shall have adjustable shoulder straps and side straps to allow for proper fitting.

3.4 OFFICER DOWN STRAP

- 3.4.1 Shall be located on the back across the upper shoulder area.
- 3.4.2 Shall lie flat on the carrier when not in use.
- 3.4.3 shall have strength to drag ≥ 300 pounds.

3.5 BACK PLACARD

- 3.5.1 Shall have female "Hook and Loop" field ≥ 2 inches in height and the approximate width of the back of the vest, located generally across shoulder blade area and just below the Officer Down Strap.
- 3.5.2 Shall support male "Hook and Loop" 8 inches X 2 inches (Wide x Tall) placard. the placard will be attached across the top edge and lie generally flat.

3.6 FRONT PLACARD

- 3.6.1 Shall have female "Hook and Loop" field ≥ 3 inches in height and the approximate width of the front of the vest, located generally across the upper chest region just below the collar opening.
- 3.6.2 Shall support male "Hook and Loop" 5 inches X 2 inches (Wide x Tall) placard and 3 inches badge patch. The placard and badge will be attached across the top front and lie generally flat.

3.7 MOLLE FASTNER SYSTEM

- 3.7.1 Shall be Modular Lightweight Load-carrying Equipment (MOLLE) compatible and capable of incorporating the Pouch Attachment Ladder System (PALS).

- 3.7.2 Shall have 1 inch straps sewn at 1 inch intervals compatible with Molle attachments.
- 3.7.3 Shall accept 1 inch wide strap for Molle attachments.
- 3.7.4 Carrier front side shall have ≥ 5 columns of attachment points.
- 3.7.5 Front top row of the attachment points shall be located approximately 1 inch below the collar opening.
- 3.7.6 Carrier back side shall have ≥ 5 columns of attachment points.
- 3.7.7 Back top row of the attachment points shall be located approximately 1 inch below the Officer Down Strap.
- 3.7.8 Ballistic cummerbund sides shall have ≥ 4 columns (each side) of attachment points.
- 3.7.9 Attachment points shall be horizontally arranged and cover the length and width of the front, back and sides of carrier.

Document Summary

Detail Type	Detail
Event ID	0000024287
Commodity	Load Bearing Vest
Attachment (Exhibit)	Exhibit 4G
Addendum	N/A
Group-Class	N/A
Bid Specification	8470-0211440-10
Revision Level	1
Revision Date	3/15/2023
Agency Name	Statewide

Revision History

Bid Spec	Rev Level	Revision Date	Author	Summary of Changes
8470-0211440-10	0	12/6/2022	William Minton	Initial Release
8470-0211440-10	1	3/15/2023	William Minton	Changed 3.1.3, 3.1.4, 3.5.4, 3.5.6

1 SCOPE

This specification establishes requirements and specifications for an externally worn Load Bearing Vest that accommodates the officer’s concealable armor.

2 APPLICABLE LAWS AND INDUSTRY STANDARDS

The following standards, law and regulations of the issue in effect on the date of the Invitation for Bid form a part of this specification to the extent specified herein. The unit is required to meet all regulations, standards and laws including revisions, at time of unit acceptance and through the term of the contract:

3 TECHNICAL REQUIREMENTS

3.1 CONFIGURATION

- 3.1.1 Carrier shall be constructed of ≥500 denier nylon.
- 3.1.2 Carrier color to be identified in Purchase Order and available colors shall include black, dark blue, multi-cam, and dark green.
- 3.1.3 Carrier shall have an opening with inside **or top loading** pockets to accommodate the officer’s concealable armor in both the front and rear of the carrier.
- 3.1.4 Carrier shall have an opening with inside **or top loading** pockets to accommodate 8 inches X 10 inches and 10 inches X 12 inches (Wide x Tall) hard plates in both the front and rear of the carrier.

- 3.1.5 Side shoulder openings to be closeable with ≥ 3 inches male “Hook and Loop” strip sewn to front side and equal female strip sewn to the back side of the carrier.
- 3.1.6 Shall have a 6 to 8 inch tall cummerbund on both sides that adjusts with “Hook and Loop” or have a rapid or quick release fastener system at the cummerbund attachment point to the front panel.

3.2 OFFICER DOWN STRAP

- 3.2.1 Shall be located on the back across the upper shoulder area.
- 3.2.2 Shall lie flat on the carrier when not in use.
- 3.2.3 shall have strength to drag ≥ 300 pounds.

3.3 BACK PLACARD

- 3.3.1 Shall have female “Hook and Loop” field ≥ 2 inches in height and the approximate width of the back of the vest, located generally across shoulder blade area and just below the Officer Down Strap.
- 3.3.2 Shall support male “Hook and Loop” 8 inches X 2 inches (Wide x Tall) placard. The placard will be attached across the top edge and lie generally flat.

3.4 FRONT PLACARD

- 3.4.1 Shall have female “Hook and Loop” field ≥ 2 inches in height and the approximate width of the front of the vest, located generally across the upper chest region just below the collar opening.
- 3.4.2 Shall support male “Hook and Loop” field 5 inches X 2 inches (Wide x Tall) placard and 3 inches badge patch. The placard and badge will be attached across the top front and lie generally flat.

3.5 MOLLE FASTNER SYSTEM

- 3.5.1 Shall have 1 inch straps sewn at 1 inch intervals or be laser cut and compatible with Molle attachments.
- 3.5.2 Shall accept 1 inch wide strap for Molle attachments.
- 3.5.3 Carrier front side shall have ≥ 5 columns of attachment points.
- 3.5.4 Front top row of the attachment points shall be located approximately 1 inch below the **front placard**.
- 3.5.5 Carrier back side shall have ≥ 5 columns of attachment points.
- 3.5.6 Back top row of the attachment points shall be located approximately 1 inch below the **back placard**.
- 3.5.7 Attachment points shall be horizontally arranged and cover the length and width of the front, back and sides of carrier.

Document Summary

Detail Type	Detail
Event ID	0000024287
Commodity	Overt Carrier
Attachment (Exhibit)	Exhibit 4K
Addendum	N/A
Group-Class	N/A
Bid Specification	8470-0211440-11
Revision Level	0
Revision Date	9/29/2022
Agency Name	Statewide

Revision History

Bid Spec	Rev Level	Revision Date	Author	Summary of Changes
8470-0211440-11	0	9/29/2022	William Minton	Initial Release

1 SCOPE

This specification establishes requirements and specifications for an externally worn Overt Carrier that accommodates the officer’s concealable armor.

2 APPLICABLE LAWS AND INDUSTRY STANDARDS

The following standards, law and regulations of the issue in effect on the date of the Invitation for Bid form a part of this specification to the extent specified herein. The unit is required to meet all regulations, standards and laws including revisions, at time of unit acceptance and through the term of the contract:

3 TECHNICAL REQUIREMENTS

3.1 CONFIGURATION

- 3.1.1 Carrier shall be constructed of ≥500 denier nylon.
- 3.1.2 Carrier color to be identified in Purchase Order and available colors shall include black, dark blue, and dark green.
- 3.1.3 Front center zipper opening with ambidextrous vertical pen slots, administrative or zipper chest pockets and shoulder mic tabs.
- 3.1.4 Carrier shall have an opening with inside pockets to accommodate the officer’s concealable armor in both the front and rear of the carrier.
- 3.1.5 Side shoulder openings to be closeable and adjustable with ≥3 inches male “Hook and Loop” system.

3.1.6 Shall have an 8 inch tall cummerbund on both sides that adjusts with “Hook and Loop” to the back panel.

3.2 OFFICER DOWN STRAP

3.2.1 Shall be located on the back across the upper shoulder area.

3.2.2 Shall lie flat on the carrier when not in use.

3.2.3 shall have strength to drag ≥ 300 pounds.

3.3 BACK PLACARD

3.3.1 Shall have female “Hook and Loop” field ≥ 3 inches in height and the approximate width of the back of the vest, located generally across shoulder blade area and just below the Officer Down Strap.

3.3.2 Shall support male “Hook and Loop” 8 inches X 3 inches (Wide x Tall) placard. The placard will be attached across the top edge and lie generally flat.

3.4 FRONT PLACARD

3.4.1 Left side, located above the chest pocket, shall have female “Hook and Loop” field to accommodate a 3” badge patch that will be attached and lie generally flat.

3.4.2 Right side, located above the chest pocket, shall have female “Hook and Loop” field to support 5"x1" (W x H) name placard. The placard will be attached and lie generally flat.

3.5 MOLLE FASTNER SYSTEM

3.5.1 Shall have 1 inch straps sewn at 1 inch intervals compatible with Molle attachments.

3.5.2 Shall accept 1 inch wide strap for Molle attachments.

3.5.3 Carrier front side shall have ≥ 3 rows of attachment fasteners on front side.

3.5.4 Carrier back side shall have ≥ 3 rows of attachment fasteners on the sides (cummerbund).

3.5.5 Front bottom row shall be located ≥ 1 " above bottom edge.

3.5.6 Attachment points shall be horizontally arranged and cover the length and width of the front, and sides of carrier.