

SAN BERNARDINO COUNTY FIRE DEPARTMENT OPERATIONS DIRECTIVES



FOOTWEAR POLICY

2421 B

FIRE SUPPRESSION

**Captain, Engineer, Lieutenant,
Firefighter**

2421 B FOOTWEAR

I. POLICY STATEMENT

To establish standard specifications to serve as a guideline for all department approved footwear and the hazard environments where the footwear may be applied. This guideline provides employees with the options available to select the approved footwear that is most appropriate to their individual needs.

II. DESCRIPTION/PROCEDURES

- A. Only department issued or approved footwear will be permitted while engaged in department activities.
- B. Athletic shoes are permitted while engaged in physical fitness activities.
- C. The employee is responsible to ensure that the footwear being utilized is appropriate for the hazard application based upon the attached Footwear Application Matrix.

III. FOOTWEAR APPLICATION MATRIX

	Mandatory: Select One			Optional		Mandatory
	Station Boot	Structure Boot	Wildland	Station Shoe	Snow Boot	Rubber Boot
Hazmat	No	No	No	No	No	Yes
Structure Fire	No	Yes	No	No	No	Yes
Vehicle Fire	No	Yes	No	No	No	Yes
Wildland Fire	Yes(2)	Yes(2)	Yes	No	No	No
Special Rescue	Yes	Yes	Limited(3)	No	Limited(3)	Limited(1)
EMS	Yes(4)	Yes	Yes(4)	Yes(4)	Yes	Yes
Station Duties	Yes	Yes	Yes	Yes	Yes	Yes

- (1) Greater moisture resistance but less traction and support than Structure or Station Boots.
- (2) Heavier than Wildland Boots and may increase fatigue.
- (3) No steel toes or insoles. Not to be used where puncture or drop hazards exist.
- (4) If not resistant to blood borne pathogens, **ASTM F 1671**, follow directive 3624.

STATION BOOT

I. DESCRIPTION/PROCEDURES

- A. The boot must be a minimum of 8" from the inside to the top of the boot.
- B. Upper must be constructed of black, smooth, cut resistant leather and capable of a high shine.
- C. Lining must be provided but may be leather, woven or bonded material that allows perspiration to dissipate and provides a comfort layer.
- D. May incorporate a heavy duty, corrosion resistant, lace in, front mounted zipper.
- E. No metal parts will penetrate the boot from outside to inside without a protective cover.
- F. All threads used to manufacture the boot shall be heat resistant.
- G. The boot must have a non-marking slip resistant sole capable of providing traction in mud and on steep terrain. The sole must be heat, oil, electrical and corrosion resistant with a puncture resistance compliant to ANSI Z41-1991.
- H. Superior arch support shall be provided by three-ribbed ladder shank compliant to NFPA 1971-2000 corrosion, hardness and bend resistance, or equivalent.
- I. A safety toe meeting the requirements of ANSI Z41-1991 must be incorporated.
- J. The design of the boot must provide for firm ankle support in horizontal and vertical working loads.
- K. All outer shell materials shall be durable and withstand the effects of flame, heat, sharp objects and other hazards encountered in fire fighting activities.
- L. Boots must be maintained in a clean, polished and professional state.
- M. No excessively pointed toe, tapered heel, buckles, monograms or designs will be allowed (except for manufacturers' logo).
- N. All certifications and compliance must be clearly labeled.

The Station Boot is authorized for wear in the capacities defined in the Footwear Application Matrix.

ATTACHMENT "A"

DEPARTMENT APPROVED STATION BOOTS

Below are the approved station shoes that meet the department standards for employee purchase consideration:

- **American/Eagle**
8" Front Zip, Steel Toe - Model #100
- **Chippewa**
8" Leather Lace Up/Speed Zip - Model # 27422, or 27424
- **Galls**
5" Quarter Boot, Lace Up – Model # SP469
5" Quarter Boot, Lace Up – Model # FW049
8" Speed Zip – Model # FW038
8" Lace Up, Speed Zip – Model # FW040
- **Haix**
Special Firefighter US – Model # 504008
Special Firefighter US (women's) – Model # 504009
Special Firefighter Xtreme (Hazmat, USAR, & W/L rated) – Model # 504204
Special Firefighter Xtreme (women's – Hazmat rated) – Model # 504206
Airpower X1 US – Model # 605106
Airpower X1 US (women's) – Model# 605107
Airpower R2 (W/L rated sole) – Model # 605109
Airpower R7 (4" Quarter Boot) – Model # 607618
Rescue US – Model # 605101
Rescue US (women's) – Model # 605102
- **Magum**
8" Side Zip, Composite Toe, Stealth Force - Model # 5310 or 5194
8" Lace Up, Steel Toe, Response II – Model # 5285
- **PRO Warrington**
8" Leather Lack Up/Speed Zip - Model # 3003
8" Leather Advance Rip Stop Lace Up - 6006
- **Thorogood**
8" Leather Front Zip, Oblique Toe - Model # 804-6446
8" Leather – Model # 804-6379
8" Leather Lace Up/Side Zip – Model # 804-7990
- **5.11 Footwear**
8" Leather Lace Up – Model # 12118
8" Side Zip, Composite Toe, **ATAC Shield**, Model # 12003

Any boot not listed must meet or exceed the above department standard for a station/duty boot and must be submitted to the Uniform Committee for approval **prior to purchase and use**.

LEATHER STRUCTURE BOOT

I. DESCRIPTION/PROCEDURES

- A. The boot must be a minimum of 8" from the inside to the top of the boot.
- B. Upper must be constructed of black, smooth, cut resistant leather, or equivalent, and professional in appearance.
- C. Lining must provide a comfort layer and wick away moisture.
- D. May incorporate a heavy duty, corrosion resistant, lace in, front mounted zipper.
- E. No metal parts will penetrate the boot from outside to inside without a protective cover.
- F. All threads used to manufacture the boot shall be heat resistant.
- G. The boot must have a non-marking slip resistant sole capable of providing traction in mud and on steep terrain. The sole must be heat, oil, electrical and corrosion resistant with a puncture resistance compliant to ANSI Z41-1991.
- H. Superior arch support shall be provided by three-ribbed ladder shank compliant to NFPA 1971-2000 corrosion, hardness and bend resistance, or equivalent.
- I. A safety toe meeting the requirements of ANSI Z41-1991 must be incorporated and must have a scuff- resistant protective toe cap.
- J. The design of the boot must provide for firm ankle support in horizontal and vertical working loads.
- K. All outer shell materials shall be durable and withstand the effects of flame, heat, sharp objects and other hazards encountered in structure fire fighting activities.
- L. The boots must pass the Heat and Thermal Shrinkage Test, Radiant Heat Resistance Test, Conductive Heat Resistance Test Two, Flame Resistance Test Four, Liquid Penetration Resistance Test and Viral Penetration Test.
- M. Boots must be maintained in a clean, and professional state.
- N. No excessively pointed toe, tapered heel, buckles, monograms or designs will be allowed (except for manufacturers logo).
- O. All certifications and compliance must be clearly labeled.

The Structure Boot is authorized for wear in the capacities defined in the Footwear Application Matrix. It is not intended to replace the Rubber Turn Out Boot which must be carried at all times when on duty.

ATTACHMENT "B"

DEPARTMENT APPROVED LEATHER STRUCTURE BOOTS

Below are the approved leather structure boots that meet the department standards for employee purchase consideration:

- **Black Diamond**
14" Pull-on X-Boot – Model # SP883
- **Globe Footwear**
14" Leather Pull-on, Leather – Model # 1201400
14" Leather Pull-on, Leather (wide calf) – Model # 1211400
14" Leather Pull-on, All Leather, Shadow – Model # 1301400
14" Leather Pull-on, Leather (women's) – Model # 120140W
14" Leather Pull-on, Leather (women's wide calf) – Model # 121140W
- **Haix**
Fire Hunter Xtreme Leather, Ribbed Toe – Model # 501605
Fire Hunter Xtreme Leather, Ribbed Toe (women's) – Model # 501606
Fire Hunter US Leather – Model # 502002
Fire Hunter US Leather (women's) – Model # 502003
Fire Hunter AF Leather – Model # 501601
Fire Hunter AF Leather (women's) – Model # 501602
10" Fire Flash US, Structure and Hazmat Certified – Model # 503004
10" Fire Flash Xtreme, Structure and Hazmat Certified – Model # 506005
- **Lions Footwear**
14" Pull-on Leather, Marshall – Model # Marshall 14
- **Thorogood, Structural Firefighting Boot**
14" Leather Pull-on, Ultimet Structure TRI – Model # 804-6378
14" Leather Pull-on, Ultimet Structure TRI (women's) – Model # 504-6378
14" Leather Pull-on, Oblique Toe, Hornet – Model # 804-8373
14" Leather Pull-on, Oblique Toe Hornet (women's) 504-8373
14" Leather Pull-on, Power HV – Model # 804-6369
14" Leather Pull-on, Power HV (women's) – Model # 504-6369
14" Leather Pull-on, Oblique Toe – 804-6373
14" Leather Pull-on, Oblique Toe (women's) 504-6373
14" Leather Pull-on, All Leather – Model # 804-6371
14" Leather Pull-on, All Leather (women's) – Model # 504-6371
10" Structure Zip-up – Model # 804-6391
- **Total Fire Group**
14" Pull-on Leather – Model # 6314
- **PRO Warrington, Structural Firefighting Boot**
14" Pull-on, Leather – Model # 3009,4000, 4132SG, 5006SG or 8000SG

Any boot not listed must meet or exceed the above department standard for a structure boot and must be submitted to the Uniform Committee for approval **prior to purchase and use**.

WILDLAND BOOT

II. DESCRIPTION/PROCEDURES

- A. The boot must be 8" high from inside to top of the boot.
- B. Boot must consist of a sole with heel, upper insole and shank. The quarter section of the boot shall be designed to provide an adjustable, snug fit for support around the ankle and lower leg.
- C. Heel breasting angle shall not be less than 90° and no more than 135° relative to the sole.
- D. Unless covered, metal parts shall not penetrate from the outside into the inside at any point.
- E. All threads used to manufacture footwear shall be made of inherently flame-resistant fiber.
- F. Boot must have sole capable of providing traction in mud and on steep terrain.
- G. Flat bottom soles are not authorized for wildland boot.
- H. Boot must be leather and black in color. Boot oil is accepted in lieu of polish due to water resistance ability and enhanced boot life.
- I. Boots must be kept in a clean and professional state.

The **approved wildland boots may not provide a puncture resistant sole or steel toe protection** and shall not be used where sole penetration or drop hazards occur as defined in the ANSI and OSHA standards unless these standards are met. Any wildland boot with a steel toe or insole must meet NFPA 1971-1998 heat transfer requirements.

ATTACHMENT "C"

DEPARTMENT APPROVED WILDLAND BOOTS

Below are the approved wildland boots that meet the department standards for employee purchase consideration:

- **Chippewa**
9" Logger Boot – Model # 699
- **Danner**
10" Black Leather Flashpoint - Model # 18000
- **Haix**
8.5" Black Leather, Wildland US – Model # 201007
- **Hathorn**
8" Black Leather Smoke Jumper – Model # 108V
10" Black Leather Smoke Jumper – Model # 110V
10" Black Leather Logger, Plain Toe – Model # 7806
- **Redback**
10" Black Leather – Model # DDBPSL
Blue Tongue Fireboot, Composite Toe – Model # BTFB5078
- **Red Wings**
9" Logger Black Leather – Model # 699
9" Logger Black Leather (women's) – Model #1698
- **Thorogood Footwear**
10" Hellfire Wildland Firefighter Boot – Model # 834-6371
10" Hellfire Wildland Firefighter Boot (women's) – Model # 534-6371
10" Black Leather, Zippered – Model # 834-6373
9" Wildland Firefighter Boot # 834-6381
9" Wildland Firefighter Boot (women's) # 534-6381
- **Total Fire Group**
10" Logger, Ribbed Toe – Model # 3060
- **White's Boots**
10" Black Leather Smoke Jumper – Model # 400V
10" Black Leather Smoke Jumper (women's) – Model # W400V
8" Black Leather Smoke Jumper
8" Black Leather Smoke Jumper (women's)
10" Black Leather Lace to Toe – Model # 400VLTT
8" Black Leather Lace to Toe

STATION SHOE

I. POLICY STATEMENT

To establish standard specifications to serve as a guideline for the department authorized Station/EMS shoe.

II. DESCRIPTION/PROCEDURES

- A. Shoe must have a safety toe for drop hazards as defined by CAL/OSHA and ANSI standards.
- B. The shoe must be at least 3" high from the top of the sole, at the heel.
- C. Sole shall have an abrasion resistant, non-marking, oil and chemical resistant, synthetic rubber compound.
- D. Shoe must have sole capable of providing traction on slippery surfaces.
- E. Shoe must be of polished leather or of equal construction and black in color.
- F. Shoes must be kept in a clean, polished and professional state.
- G. No excessively pointed toe, buckles, monograms, or designs will be allowed (except for the boot manufacturer monogram or logo).
- H. No open heel or toe is permitted.

The Station Shoe is authorized for wear during routine duties in and around the station; while engaged in fire prevention, public education, or public relations activities; routine medical aid calls. **The station shoe shall not be worn in lieu of proper safety boots while engaged in emergency operations as defined in the Footwear Application Matrix.**

ATTACHMENT "D"

DEPARTMENT APPROVED STATION SHOES

Below are the approved station shoes that meet the department standards for employee purchase consideration:

- **Magnum**
6" Black, Side Zip, Stealth Force, Composite Toe – Model # 5312
6" Black, Lace Up, Stealth Force, Composite Toe – Model # 5222
- **Globe**
6" Side Zip Step in, Composite Toe – Model # 3200620
- **Thorogood**
6" Station Shoe, Slip-on, Black Leather, Steel Toe – Model # 804-6026
- **Redback, USA**
Station Shoe, Slip-on, Black Leather, Composite Toe – Model # USBBK
- **5.11 Footwear**
6" Station Shoe, Slip-on, Black Leather, Composite Toe – Model # 12207

Any station shoe that does not meet the department standard for a station shoe must be submitted to the Uniform Committee for approval ***prior to purchase and use.***

RUBBER STRUCTURE BOOT (TURN OUT BOOT)

I. DESCRIPTION/PROCEDURES

- A. The boot must be a minimum of 15" from the inside to the top of the boot.
- B. Upper must be constructed of corrosion resistant vulcanized rubber or equivalent, and professional in appearance.
- C. Lining must provide a comfort layer and wick away moisture.
- D. No metal parts will penetrate the boot from outside to inside without a protective cover.
- E. The boot must have a non-marking slip resistant sole capable of providing traction in mud and on steep terrain. The sole must be heat, oil, electrical and corrosion resistant with a puncture resistance compliant to ANSI Z41-1991.
- F. Superior arch support shall be provided by three-ribbed ladder shank compliant to NFPA 1971-2000 corrosion, hardness and bend resistance, or equivalent.
- G. A safety toe meeting the requirements of ANSI Z41-1991 must be incorporated and must have a scuff- resistant protective toe cap.
- H. The design of the boot must provide for firm ankle support in horizontal and vertical working loads.
- I. All outer shell materials shall be durable and withstand the effects of flame, heat, sharp objects and other hazards encountered in structure fire fighting activities.
- J. The boots must pass the Heat and Thermal Shrinkage Test, Radiant Heat Resistance Test, Conductive Heat Resistance Test Two, Flame Resistance Test Four, Liquid Penetration Resistance Test and Viral Penetration Test.

Boots must be maintained in a clean, professional state and carried at all times when on duty.

No excessively pointed toe, tapered heel, buckles, monograms or designs will be allowed (except for manufacturers logo).

All certifications and compliance must be clearly labeled.

The Rubber Structure Boot is authorized for wear in the capacities defined in the Footwear Application Matrix. The department will issue employees the rubber structure boot.

SNOW BOOT

I. POLICY STATEMENT

To establish standard specifications to serve as a guideline for the department authorized Snow Boot.

II. DESCRIPTION / PROCEDURES

- A. The boot is intended for use only during adverse weather, such as temperatures near or below freezing, rain or snow conditions.
- B. Boot must be rated for temperatures at or below freezing.
- C. Boot outsole and bottoms must be waterproof. Uppers may be water resistant.
- D. The boot must be a minimum of 8 inches from the inside to the top of the boot.
- E. The boot must have a non-marking slip resistant sole capable of providing traction in mud, snow and steep terrain.
- F. The design of the boot must provide arch support. Firm ankle support in horizontal and vertical work loads.
- G. The boot shall be black in color, excluding any company logs.
- H. All outer shell materials shall be durable and able to withstand hazards encountered in rescue activities.
- I. Lining must be provide but may be leather, woven or bonded material that allows perspiration to dissipate and provides a comfort layer.
- J. Boots must be maintained in a clean and professional state.

The Snow Boot is authorized for wear in the capacities defined in the Footwear Application Matrix. The Snow Boots without protection shall not be used where sole penetration or drop hazards occur.

ATTACHMENT "E"

DEPARTMENT APPROVED SNOW BOOTS

Below are the approved snow boots that meet the department standards for employee purchase consideration:

- **Sorel**
 - Conquest # NM1049 Black
 - Conquest Safety Toe # NM8030 Black
 - Blizzard # NM1110
 - Glacier # NM1042
 - Bear # NM1023
 - Mounity II # NM1089

Any boot not listed must meet or exceed the above department standards for snow boots and must be submitted to the Uniform Committee for approval prior to purchase and use.