



TUBAC FIRE DISTRICT

2227 EAST FRONTAGE ROAD
P.O. BOX 2881
TUBAC, ARIZONA 85646
TELEPHONE: (520)398-2255

REGULAR MEETING OF THE BOARD OF DIRECTORS

The Tubac Fire District Board of Directors will meet in regular session on October 30, 2024, at 1:30 pm at the Tubac Community Center Building located at 50 Bridge Rd in Tubac. The following topics and any variables thereto, will be subject to Board consideration, discussion, approval, or other action. The Board may consider any item on this agenda in any order and at any time during the meeting. The Board may convene into Executive Session for discussion or consultation for legal advice with its attorney regarding any item on this agenda, in accordance with A.R.S. § 38-431.03(A)(3).

Members of the public may attend the meeting in person, by viewing the livestream on the Tubac Fire District Facebook page, or by telephone by calling (346) 248-7799 and entering the Webinar ID, 827 3360 0975, if prompted.

NOTE: Executive Sessions are CONFIDENTIAL pursuant to A.R.S. § 38-431.03(C). Members of the public may not participate in Executive Sessions.

Members of the public who are not able to attend the meeting in person, may submit comments to the Board by email. The emails will be read out loud during the meeting. Please email any comments to bhamric@tubacfire.org. Emails must be received no later than 5pm the day before the meeting and must include your full name as well as your phone number (to allow District staff to contact you with any questions).

Agenda

1. Call to order and Pledge of Allegiance
2. Roll call of Board Members
3. Reading of public comments submitted via email.
4. Call to the Public: "This is the time for the public to comment on items related to the Fire District. Members of the Board may not discuss items that are not on the agenda. Therefore, the Fire Board is not permitted to discuss or act on any items raised in the Call to the Public which is not on the agenda due to restrictions of the Open Meeting Law; however, individual Board members are permitted to respond to criticism directed to them. Otherwise, the Board has discretion to direct the Fire Chief to review the matter or that the matter is placed on a future agenda. Those wishing to address the Board need not request permission in advance. A member of the public may speak for a reasonable time as determined by the Board. If no time is specified, the presumed time limit will be 3 minutes per person. The Fire Board Chair may adjust time limitations and all individuals desiring to address the Fire Board will have the same opportunity."
5. Correspondence
6. Report from Board Members
7. Chief and Staff Report
 - a. Operations Update
 - b. Training
 - c. Administration Update
 - d. Wildland Update
8. Monthly Financial Report for September 2024
9. Consent Agenda
 - a. Approval of minutes from September 25, 2024.
 - b. Approval of monthly financial report for September 2024.

10. Discussion and possible action to approve the purchase of a “forcible entry” training prop at a cost not to exceed \$9,500.
11. Discussion and possible action on repairing or replacing unit #1048 (Brush Truck).
12. Discussion and possible action to approve Board Resolution #2024-05 “Assistance to Firefighters Grant” for the purpose of seeking grant funding for the replacement of a type I engine (1997 International).
13. Fire Station #1 and Tower Update
 - a. Update on station #1 project
 - b. Update on Tower project
14. **Executive Session –**
 - a. Pursuant to A.R.S. § 38-431.03(A)(3) and (4) discussion and consultation for legal advice and/or direction regarding the Santa Cruz County Treasurer litigation, status of those claims and ongoing issues.
 - b. Discussion regarding employee matters. The Board might convene into Executive Session regarding this item as allowed by A.R.S. § 38-431.03(A)(1) (allowing an executive session for the purpose of “discussion or consideration of employment, assignment, appointment, promotion, demotion, dismissal, salaries, disciplining or resignation of a employee”) and A.R.S. § 38-431.03(A)(3) (allowing an executive session for the purpose of “discussion or consultation for legal advice with the attorney or attorneys of the public body.”). Discussion and consultation for legal advice and/or direction regarding employee matters.
15. Discussion and possible action to provide direction to fire chief regarding the Santa Cruz County Treasurer Litigation, enter into litigation related Agreements
16. Discussion and possible action for legal advice and/or direction regarding employee matters.
17. Future Agenda Items
18. Next meeting: November 20, 2024
19. Adjourn meeting.

Notice of Meeting (Agenda) dated and posted October 25, 2024, by 1:30 p.m. local time by B. Hamric.

If any disabled person needs any type of accommodation, please notify the Tubac Fire District prior to the scheduled meeting time.



Staff Report
Tubac Fire Board
October 2024

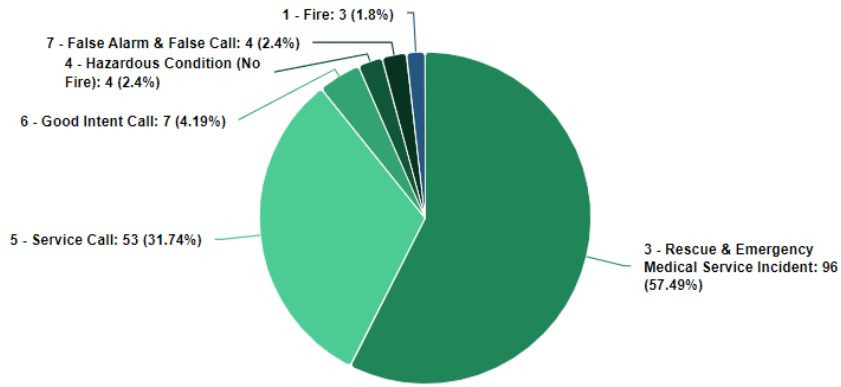
Tubac Fire District is committed to the safety of our community through the delivery of fire suppression, medical services, and public education.

September Emergency Responses



Incident Type Categories

Sep 01, 2024 to Sep 30, 2024



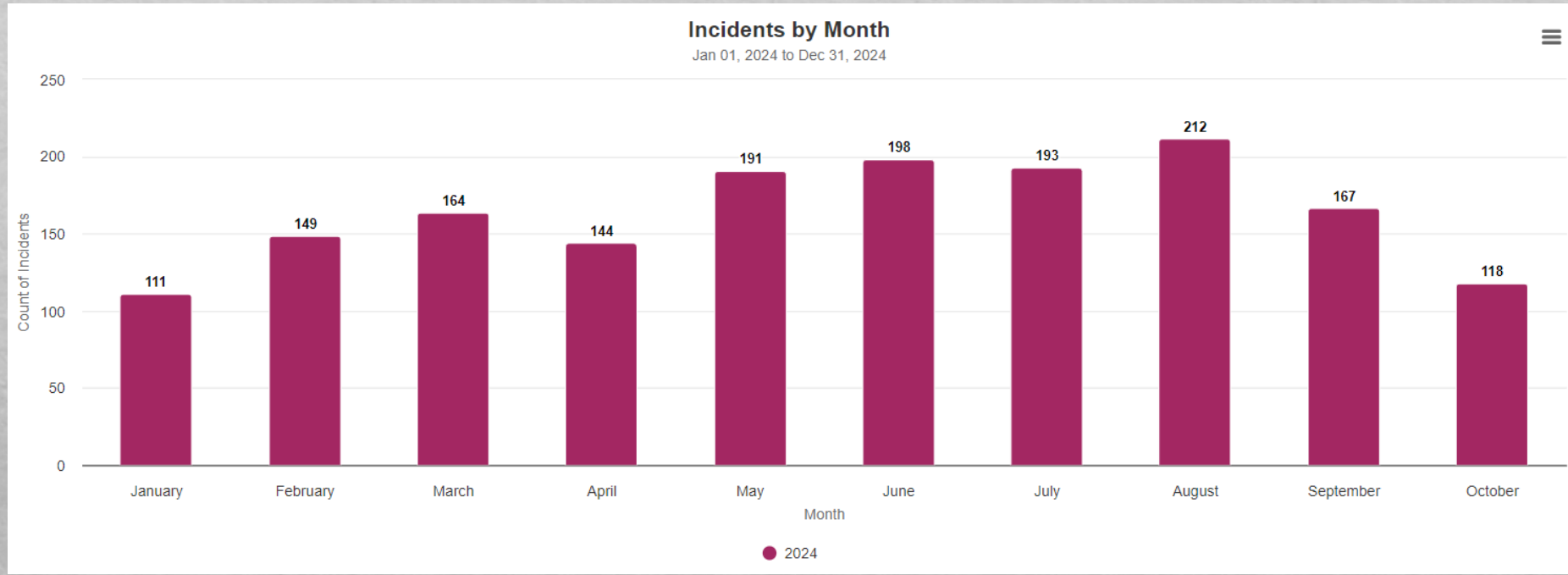
- **EMS** 101 (48 Transports, 0 Transfer of care to Air ambulance)
- **Fire** 11
- **Public Assist** 60
- **Total Calls** 167

Incidents by Category and Month

Jan 01, 2023 12:00 AM to Oct 23, 2024 10:03 AM

Incident Type Category	2024										2024		2023		YTD % Change
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Grand Total - Current	% of Total Incidents - Current	Grand Total - Previous	% of Total Incidents - Previous	
1 - Fire	4	5	3	2	3	7	3	5	3	1	36	2.00%	53	4.00%	-32.08%
3 - Rescue & Emergency Medical Service Incident	84	107	123	95	117	115	106	110	96	76	1,029	63.00%	804	57.00%	27.99%
4 - Hazardous Condition (No Fire)	1	3	6	5	4	2	5	6	4	3	39	2.00%	29	2.00%	34.48%
5 - Service Call	11	20	16	22	42	57	59	61	53	29	370	22.00%	377	27.00%	-1.86%
6 - Good Intent Call	6	8	11	13	18	9	8	15	7	4	99	6.00%	97	7.00%	2.06%
7 - False Alarm & False Call	5	4	5	7	5	8	12	15	4	5	70	4.00%	61	4.00%	14.75%
8 - Severe Weather & Natural Disaster	0	0	0	0	0	0	0	0	0	0	0	0.00%	1	0.00%	-100.00%
9 - Special Incident Type	0	2	0	0	0	0	0	0	0	0	2	0.00%	0	0.00%	-111111111100.00%
Grand Total	111	149	164	144	189	198	193	212	167	118	1,645	100.00%	1,422	100.00%	15.68%

2024 YTD Call Volume

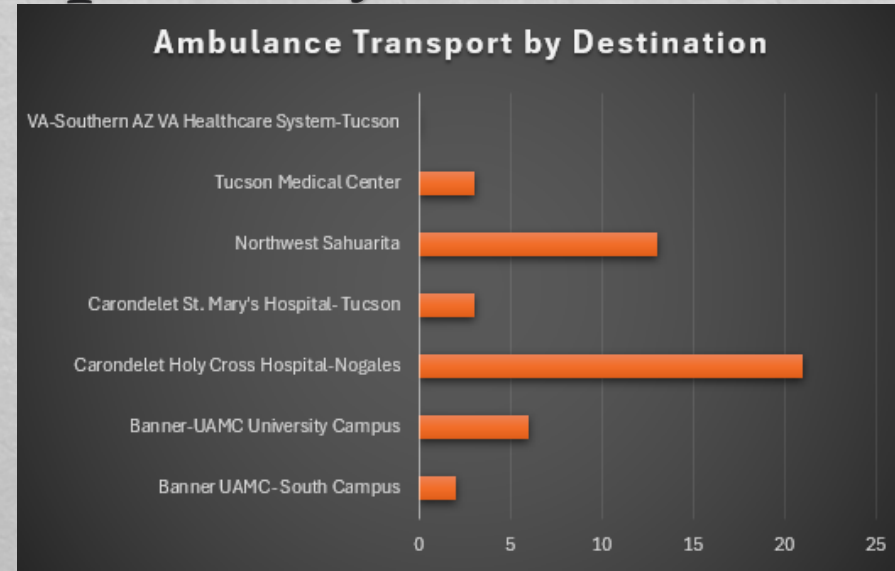


Monthly Call Volume Year over Year

Jan 01, 2023 12:00 AM to Oct 23, 2024 10:50 AM

Month Name	2024		2023		YTD % Change
	Grand Total - Current	% of Total Incidents - Current	Grand Total - Previous	% of Total Incidents - Previous	
January	111	7.00%	110	8.00%	0.91%
February	149	9.00%	128	9.00%	16.41%
March	164	10.00%	125	9.00%	31.20%
April	144	9.00%	145	10.00%	-0.69%
May	191	12.00%	142	10.00%	34.51%
June	198	12.00%	157	11.00%	26.11%
July	193	12.00%	164	12.00%	17.68%
August	212	13.00%	155	11.00%	36.77%
September	167	10.00%	156	11.00%	7.05%
October	118	7.00%	140	10.00%	-15.71%
Grand Total	1,647	100.00%	1,422	100.00%	15.82%

September Ambulance Transports by Destination



Transports by Destination Summary

Aug 01, 2024 to Aug 31, 2024



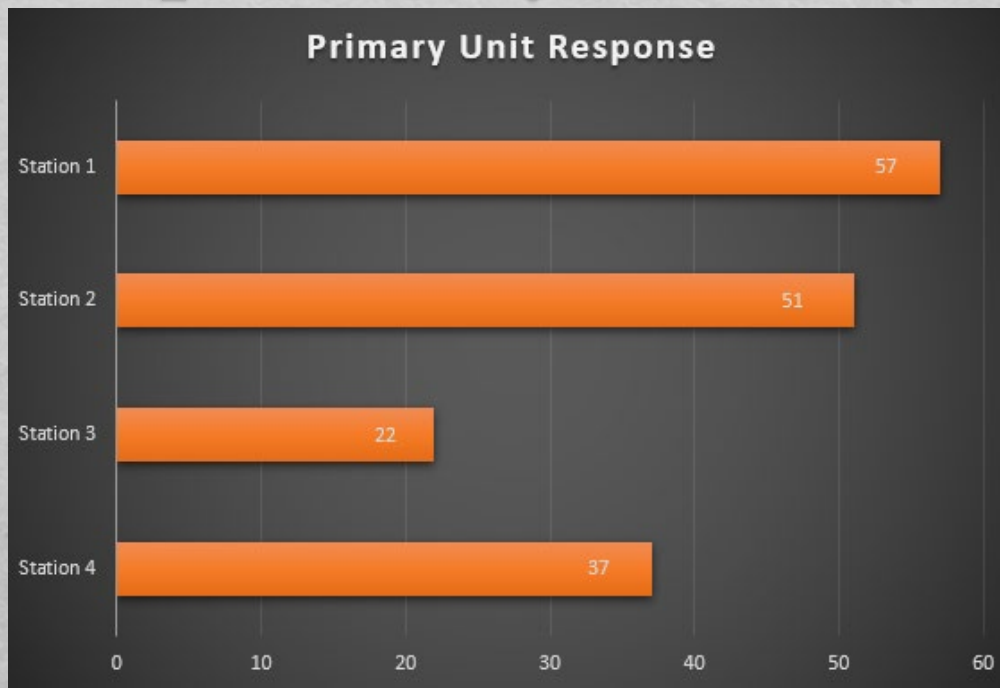
Hospital		Transports		Transport Time		Patient Arrival to Transfer of Care		Patient Arrival to Transfer of Care Signature		Patient Arrival to Unit Back in Service	
Name	ID	Total	% of Total	Median	90th Percentile	Median	90th Percentile	Median	90th Percentile	Median	90th Percentile
BANNER UAMC - South Campus (formerly Univ Physicians Hosp Kino)	MED2863	1	1.56%	55:26	55:26	27:20	27:20	25:59	25:59	113:19	113:19
BANNER-UAMC University Campus - Tucson	MED0257	6	9.38%	58:24	65:52	08:49	12:36	07:38	13:05	63:36	90:23
Carondelet Holy Cross Hospital - Nogales	MED0343	22	34.38%	15:18	19:57	07:35	13:41	07:37	14:42	26:42	48:50
Carondelet St. Mary's Hospital - Tucson	MED0254	9	14.06%	64:28	67:15	12:00	14:25	04:43	15:20	74:47	105:41
Northwest Sahuarita	MED8984	22	34.38%	31:16	40:03	10:32	17:22	11:16	17:27	40:19	71:01
Tucson Medical Center	MED0256	3	4.69%	63:29	73:24	40:07	44:46	18:11	28:39	95:34	148:04
VA-Southern AZ VA Healthcare System-Tucson	UNK0015	1	1.56%	40:30	40:30	18:00	18:00	13:48	13:48	24:47	24:47
Overall		64	100.00%	30:01	64:40	09:24	17:54	08:49	17:33	37:49	92:20

September Emergency Responses By Station



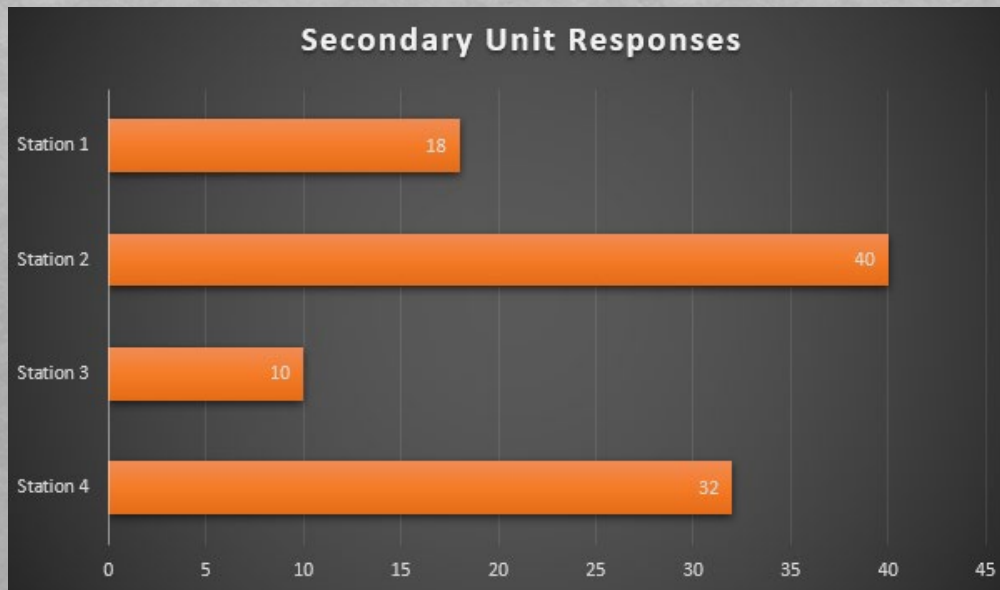
Primary Responses by Station

- Station 1 57
- Station 2 51
- Station 3 22
- Station 4 37



Secondary Responses by Station

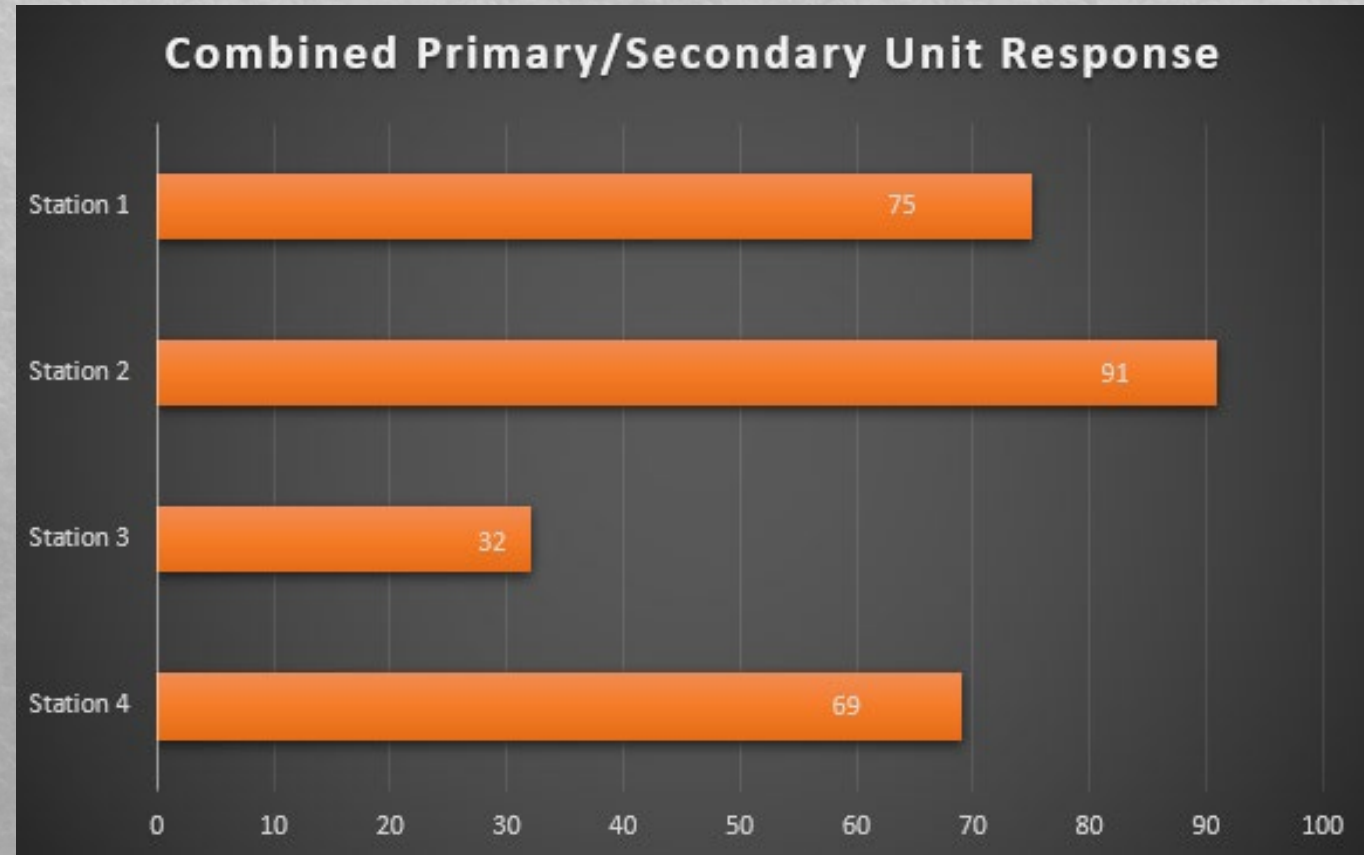
- Station 1 18
- Station 2 40
- Station 3 10
- Station 4 32



September Combined Primary/Secondary Unit responses by station



- ❖ Station 1 75
- ❖ Station 2 91
- ❖ Station 3 32
- ❖ Station 4 69

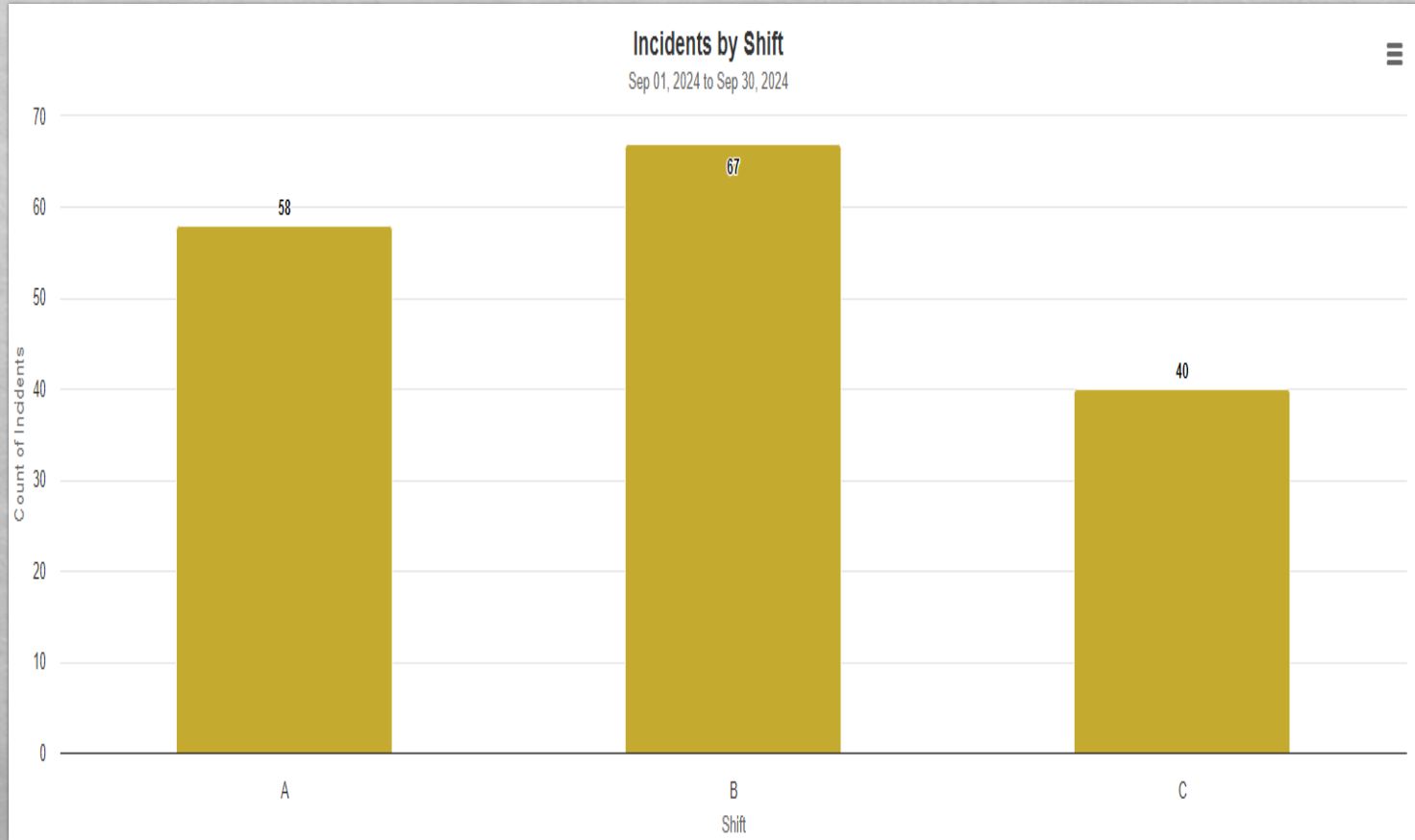


September Incidents by shift



- A Shift
- B Shift
- C Shift

Prev	September 2024						Next
SU	MO	TU	WE	TH	FR	SA	
1	2	3	4	5	6	7	
8	9	10	11	12	13	14	
15	16	17	18	19	20	21	
22	23	24	25	26	27	28	
29	30						



A Shift 58

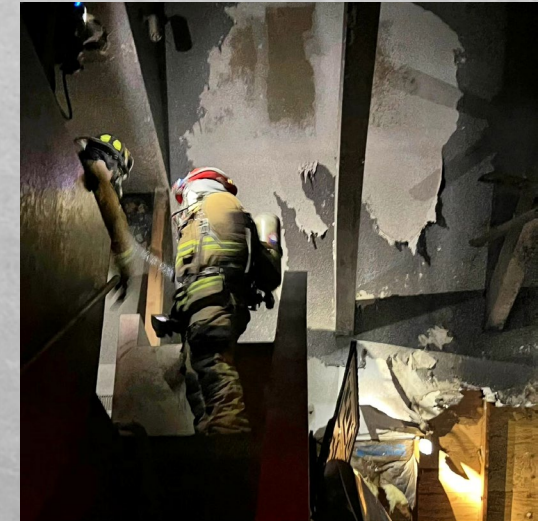
B Shift 67

C shift 40

Significant Calls



- ❖ Responded to a vehicle fire at KM 25. The vehicle was smoking from the engine compartment and was extinguished using foam and the spiral load. The cause is still under investigation.
- ❖ Responded to a rattlesnake bite and transported the patient to a local hospital after confirming they had anti-venom available.
- ❖ Crew responded to a possible stroke, which was confirmed on scene. The patient was transported by ground to a specialty hospital in Tucson.
- ❖ A structure fire on the south end of the district was caught early and extinguished with the help of mutual aid from RRMFD and NFD.



Training

- ❖ Mayday Report
- ❖ Confined space rescue
- ❖ Vertical Ventilation
- ❖ RIC (Rapid Intervention Crew) operations
- ❖ Del Campo Training



Public Education/Fire Prevention and Events



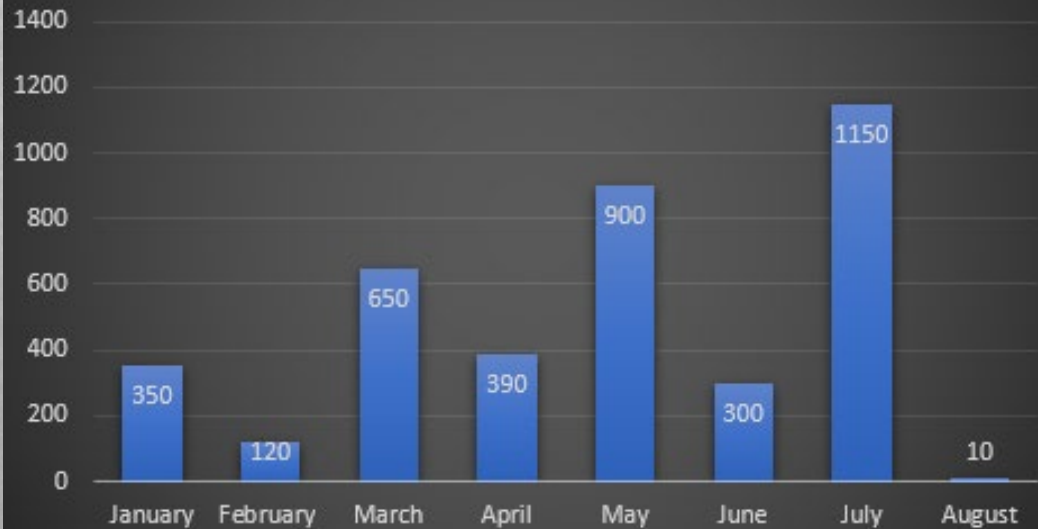
- ❖ Hometown Heroes Thrive Fest
- ❖ We are scheduled to participate in a Gear Up event on September 29th.
- ❖ participated in two 9/11 ceremonies Wednesday morning



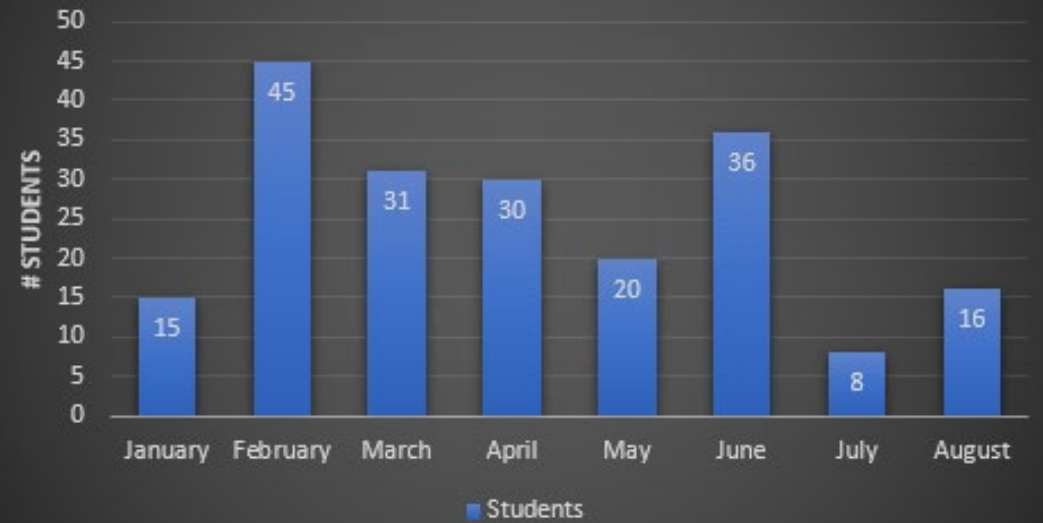


Fire Prevention and CPR Classes

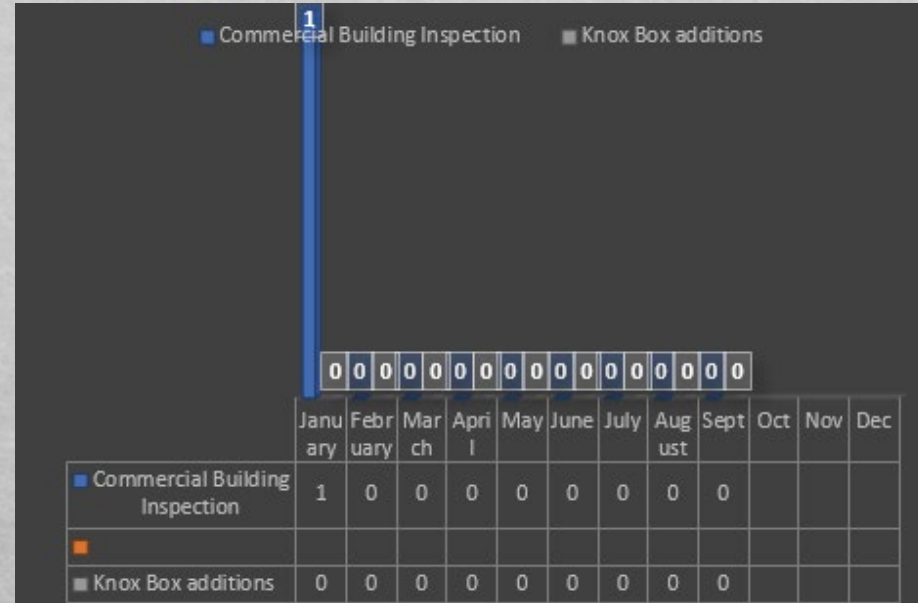
Fire Prevention Students



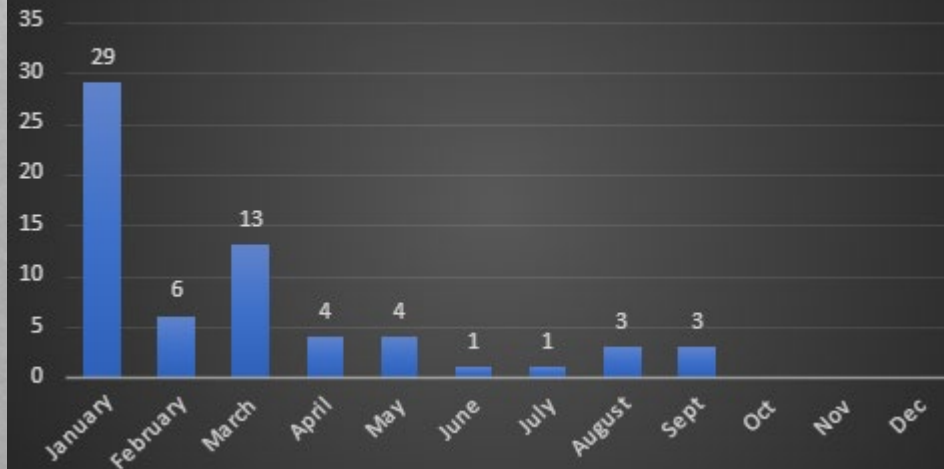
CPR Students



Plans Review & Inspections

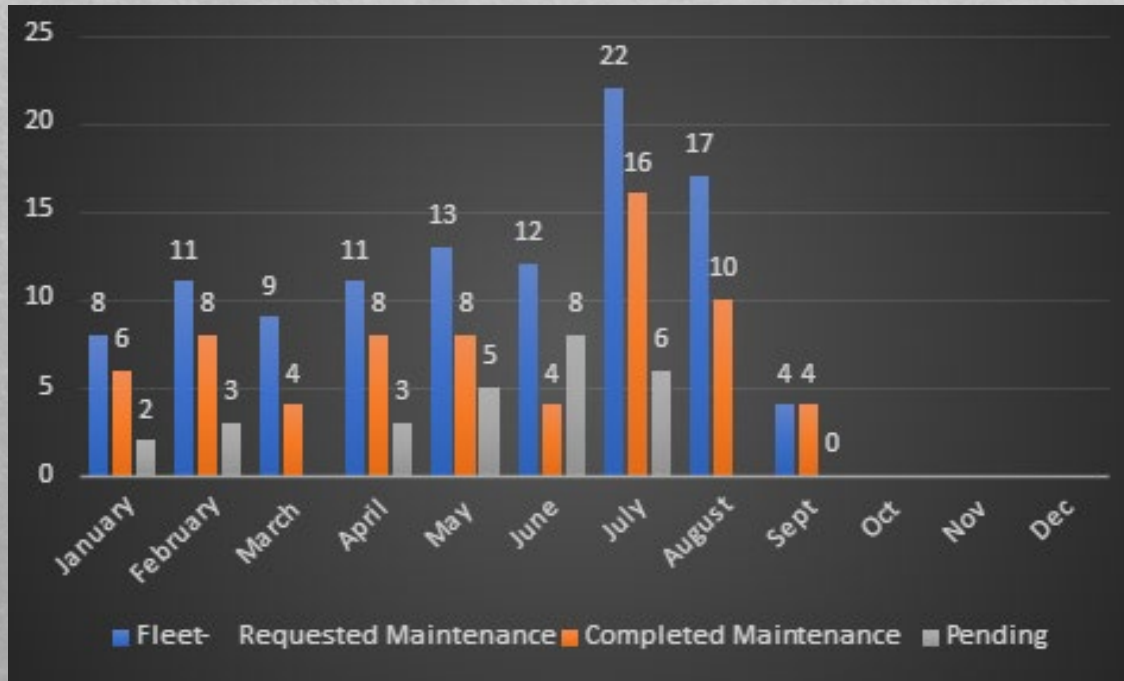


Burn Permit inspections

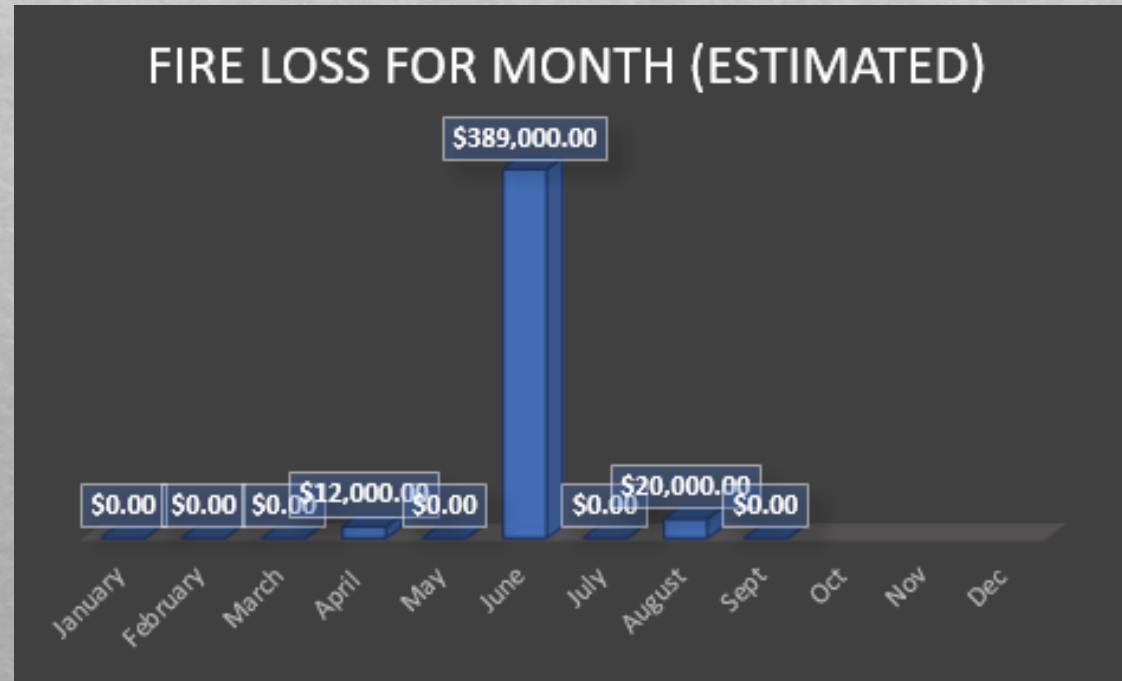




Maintenance Requests



Fire Loss Due To Incident





TUBAC FIRE DISTRICT

2227 EAST FRONTAGE ROAD
P.O. BOX 2881
TUBAC, ARIZONA 85646
TELEPHONE: (520) 398-2255

TUBAC FIRE DISTRICT BOARD MEETING
MINUTES REGULAR MEETING OF THE BOARD
OF DIRECTORS
September 25, 2024

1. Call to order and Pledge of Allegiance: The meeting was called to order at 1:30 p.m. by Sandy Johnson.
2. Roll call of Board Members: Sandy Johnson, Mary Dahl, Peter Benequista, Rich Bohman were present at the Tubac Community Center. Herb Wisdom was absent. Also, in attendance at Tubac Community Center, Fire Chief Ben Guerrero, Deputy Chief Hesly Guerrero, Captain John Conger, Captain Esai Tapia and Bianca Hamric. Gabe Buldra attended on behalf of James Vincent Group. Members of the public in attendance were Ron Campana, Kathi Campana, Mindy Maddock, Ried Penland, Karen Wilson, Kathleen Vandervoet.
3. Reading of public comments submitted via email: None.
4. Call to the public: Mindy Maddock complemented Bianca Hamric for posting the agenda a head of time for the public to attend the meetings. Board Chair Sandy Johnson also complemented Bianca for her efforts to bring the District a new website.
5. Correspondence: None.
6. Report from Board Members: Peter Benequista reported that he saw the construction of the new cell tower at Fire Station #1. Rich Bohman reported that PSPRS secretary Adriana Olea has organized a meeting for Monday, October 7, 2024, at 1:00p.m. and it is open to the public.
7. Chief and Staff Report: Deputy Chief Hesly Guerrero, Captain John Conger, Captain Esai Tapia and Fire Chief Ben Guerrero provided the monthly Staff Report for August 2024.
 - a. Operations Update.
 - b. Training.
 - c. Wildland Update.
 - d. Administration Update.
8. Monthly Financial Report for August 2024: Gabe Buldra from James Vincent Group presented the financial reports for the month of August 2024. (Please refer to www.tubacfiredistrict.org under the Tubac Fire Board tab to review report.)
9. Consent Agenda: Mary Dahl made a motion to approve the consent agenda and Rich Bohman seconded the motion; all were in favor, the motion passed unanimously.

10. Fire Station #1 and Tower Update:

- a. Update on the Station #1 project. The Station #1 design is pending USDA approval.
- b. Update on the Tower project. The tower is currently being installed. The tower will need to be powered by two generators for it to be fully functioning.

11. Future Agenda Items: Station #1 Project.

12. Next Meeting: October 30, 2024.

13. Adjourn meeting: Peter Benequista made a motion to adjourn the meeting at 2:30 p.m. Rich Bohman seconded the motion. All were in favor; the motion passed.

Board Action Request

SUBJECT: Purchase of a Forcible Entry door prop

DATE: October 30, 2024

FROM: Ben Guerrero, Fire Chief

Background: A critical aspect of a firefighter's role is gaining entry to structures, often under high-pressure conditions. It is essential that our firefighters are equipped with both the tools and the knowledge to perform these tasks effectively, especially in stressful environments. Currently, the Tubac Fire District can only access this type of training at most once a year. Acquiring this training prop will enable our firefighters to regularly practice and refine their skills in forcible entry, including forcing various types of doors, cutting locks, and removing security bars.

Fiscal Impact: \$9,500 General Fund

Alternate Option: None

Staff Recommendation: We recommend the purchase of the training prop to provide our firefighters with valuable, hands-on training opportunities, ensuring they are well-prepared for critical tasks.

Proposed Motion: Move to approve the purchase of the "Darley Challenger" forcible entry door in an amount not to exceed \$9,500.

See Attachments



W.S. DARLEY & CO.
 DARLEY FIRE EQUIPMENT DIVISION
 325 SPRING LAKE DR. • ITASCA, IL 60143
 Toll Free: 800-323-0244 • Phone: 630-735-3500 • FAX: 708-345-8993
 FEIN 36-0976610 DUNS 005094842 CAGE 15852

Prepared By:
 Henry Benavides
henrybenavides@darley.com
 Direct 630-625-4554

Quotation

Date
10/9/2024
Ship Terms
QUOTED
Pay Terms
Net 15
Acct. #
TUBAC FIRE DISTRICT
Ref. #
etapia@tubacfire.org

Sold To:

TUBAC FIRE DISTRICT
 ATTN: CAPTAIN ESAI TAPIA

Ship To:

TUBAC FIRE DISTRICT
 1360 W FRONTAGE RD
 RIO RICO, AZ 85648

Line	Qty.	Mfr.	Item #	Description	Unit Price	Line Total
1	1	PEB	BP826	SIMULATOR, CHALLENGER FORCIBLE	\$ 8,130.77	\$ 8,130.77
2	1	DARLEY	FREIGHT	QUOTED FREIGHT	\$ 1,242.00	\$ 1,242.00

Subtotal	\$ 9,372.77
Sales Tax	
Total	\$ 9,372.77

Notes:

LEAD TIME: 6-8 BUSINESS DAYS

Offer valid for 30 days
 Thank you for your business!

Forcible Entry, Inc

11374 Amalgam Way
Rancho Cordova, CA 95670-4401
US
+19163375705
Paul@fesupplyco.org
www.fesupplycompany.com



Estimate

ADDRESS	SHIP TO	ESTIMATE	6756
Esai Tapia	Esai Tapia	DATE	10/22/2024
Tubac Fire Department	Tubac Fire Department		
1360 W Frontage Road	1360 W Frontage Road		
Rio Rico, AZ 85648	Rio Rico, AZ 85648		
RSM	RAM		
Paul Ferry	Beth Ellsworth		

SKU	DESCRIPTION	QTY	RATE	AMOUNT
CFED-SA-36	Forcible Entry Equipment Catalyst Force Entry Door Stand Alone 36" door (SA) Catalyst Force Entry Door with Stand Alone System. Crush Prop INCLUDED. Door is 36" wide. Door Comes With: 1- Complete Door, 2 -Flex Tech Jambs with HD Hinges, AR450 Academy Break System, 4 - AR450 Strike Plates, 1 - Monster Base plate with 2 Extension Plates. All Hardware included. Standard Side Unless Otherwise Requested: Left side hinge Inward. Right side hinge outward.	1	7,850.00	7,850.00 T
WS	Forcible Entry Equipment Wheel System Wheel System for all versions of the Stand Alone Catalyst Door. Allows efficient, easy mobility and transport while also providing framework for adding walls for close the creation of a wall for confined space training.	1	850.00	850.00T
SSD-SA	Forcible Entry Equipment Security Screen Door (SSD Stand Alone) Provides the addition of a working outward opening Security Screen Door mounted to the inward opening side of the Catalyst Force Entry Door door assembly.	1	2,750.00	2,750.00 T
COMM	Forcible Entry Equipment Commercial Cutting Door Commercial deadbolt and latch cutting prop. Needs surface / preexisting structure to mount to. Can be mounted on Catalyst Force Entry Door without mounted Security Screen Door.	1	1,650.00	1,650.00 T
DBP-SA	Forcible Entry Equipment Drop Bar Prop (DBPSA) Provides the addition of a working drop bar to the Catalyst Force Entry Door door assembly.	1	595.00	595.00T

We truly appreciate the opportunity to work for you. Please let us know if you have any questions. We accept ACH transfer or a check mailed to 4440 Creekside Dr. Shingle Springs Ca, 95682 Att: FE Supply Company

SUBTOTAL	13,695.00
TAX	903.87
SHIPPING	861.91
TOTAL	\$15,460.78

Accepted By

Accepted Date



East Coast Rescue Solutions

4940 Merrick Road Suite 172
Massapequa Park, NY 11762

Quote

Date	Estimate #
10/23/2024	6742

Name / Address
Tubac Fire District 2227 I-19 Frontage Rd Tubac, AZ 85646

Ship To
Tubac Fire District 2227 I-19 Frontage Rd Tubac, AZ 85646

P.O. No.	Terms	Due Date	Rep
		10/23/2024	CM

Description	Qty	Rate	Total
East Coast Rescue Solutions Forcible Entry Door Simulator. Door Features: GEN 3 DOOR Inward and outward swinging forces Drop Bar Forcible Entry Cutting or Spiking of Carriage Bolts Plunge Cutting with K12 Full Door Stop 65" Three Locks for varying degrees of difficulty Replaceable Door Sleeve and Jamb for added longevity Fixed bracket to mount walls for restricted space FE Can be disassembled for easy transport. Optional dolly system for easy transport is available Adjustable door gap All In-One Prop Receivers Professionally powder coated Two year warranty Includes Operational Guide and Videos **ECRS GEN3 Door without drop bar option is \$7000** **Wooden Jamb Insert (Pikable Jamb) Also available**	1	7,500.00	7,500.00
Drop Ship door to Tubac, AZ Liftgate service provided	1	985.00	985.00
Does not include tax if applicable. A 3% fee for Credit Card payments will be added		0.00	0.00

Contact us with any questions. Chris Minichiello 917-886-2579. www.eastcoastrescuesolutions.com	Total	\$8,485.00
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Board Action Request

SUBJECT: Repair or Replacement of a Type 6 Engine (Brush Truck)

DATE: October 30, 2024

FROM: Ben Guerrero, Fire Chief

Background: Tubac Fire recently experienced a significant incident involving a Type 6 engine, commonly known as a brush truck. The engine overheated, resulting in severe damage. Notably, this vehicle had just returned from a wildland deployment and was sent to the shop for routine maintenance. The overheating occurred while in-route back from the maintenance shop.

Replacement option:

- As part of our capital replacement plan, we have allocated \$130,000 to replace the Type 6 engine. The current vehicle is a 2012 Dodge Ram 5500 with 60,000 miles. However, the cost of a new Type 6 engine has significantly increased over the years and is now approximately \$230,000.

Remounting Option:

- This option involves remounting the existing pump, tank, and plumbing onto a new chassis. It presents a slightly more affordable alternative to purchasing a completely new Type 6 engine, with an estimated cost of \$170,000. This price assumes that the tank, pump, and fittings do not require replacement.

Crate Engine Replacement:

- Another option is to replace the current engine in Unit 1048 with a crate engine. This would be a much more cost-effective solution, with an estimated expense of around \$35,000.

Fiscal Impact: Up to \$230,000 of which we only have \$130,000 within the capital improvement plan.

Staff Recommendation: Due to the current capital allocation and the fire station #1 project, staff recommend that we replace the engine on unit #1048.

Alternate Option: Replace unit #1048 with a new vehicle or Remount equipment onto a new chassis.

Proposed Motion: Move to authorize staff to replace the engine on unit#1048 with a crate engine at a cost not to exceed \$35,000.

See Attachments

Repair Estimate

PREPARED FOR
TUBAC FIRE DISTRICT

Service Advisor
Juan Gutierrez (2046623)
juan.gutierrez@lhmauto.com

Date 10/01/2024 12:09 PM
2012 Ram R55CC
VIN 3C7WDNEL1CG160745
Mileage 60,737
RO# 454071

Service Name	Price
[Primary]: MA001 : Misceleneous Maintenance Repair CUSTOMER STATES VEHICLE DEVELOP A COOLANT LEAK CHECK AND ADVISE	\$185.00
Engine Rebulld/Replace: FOUND ENGINE TO HAVE NO COMPRESSION, OVERHEATED	\$26957.60
Radiator Replacement: FOUND RADIATOR TO BE LEAKING	\$977.39
**Miscellaneous Repair: TIME TO REMOVE AND REINSTALL ALL AFTERMARKET COMPONENTS FROM FRONT END TO REPLACE MOTOR	\$1850.00
[Primary]: 9090 : Mopar Express Lane Inspection (I) Mopar Express Lane Inspection	\$0.00
Printed on October 01, 2024	
Quote expires on October 31, 2024	

Subtotal	\$29969.99
Shop Charges	\$87.84
Tax	\$2099.99
Total	\$32157.82



Larry H. Miller Dodge Ram Tucson
4220 E 22nd St
Tucson, AZ 85711

520.589.2984

Repair Estimate

PREPARED FOR
TUBAC FIRE DISTRICT

Service Advisor
Juan Gutierrez (2046623)
juan.gutierrez@lhmauto.com

Date 10/01/2024 12:08 PM
2012 Ram R55CC
VIN 3C7WDNEL1CG160745
Mileage 60,737
RO# 454071

Service Name	Price
[Primary]: MA001 : Misceleneous Maintenance Repair CUSTOMER STATES VEHICLE DEVELOP A COOLANT LEAK CHECK AND ADVISE	\$185.00
Engine Rebuild/Replace: FOUND ENGINE TO HAVE NO COMPRESSION, OVERHEATED	\$18522.60
Radiator Replacement: FOUND RADIATOR TO BE LEAKING	\$977.39
**Miscellaneous Repair: TIME TO REMOVE AND REINSTALL ALL AFTERMARKET COMPONENTS FROM FRONT END TO REPLACE MOTOR	\$1850.00
[Primary]: 9090 : Mopar Express Lane Inspection (I) Mopar Express Lane Inspection	\$0.00
Printed on October 01, 2024	
Quote expires on October 31, 2024	

Subtotal	\$21534.99
Shop Charges	\$87.84
Tax	\$1366.15
Total	\$22988.98



Larry H. Miller Dodge Ram Tucson
4220 E 22nd St
Tucson, AZ 85711

520.589.2984



Tubac Fire District

Proposal for One (1)

**Deep South Wildland
Type 6 (Fire Engine)
\$227,655.00**

GENERAL INFORMATION

The proposed apparatus will be constructed to withstand the severe and continuous use encountered during emergency fire fighting services. The apparatus shall be of the latest type, carefully designed and constructed with due consideration to the nature and distribution of the load to be sustained. These specifications detail the proposal for general design criteria of cab and chassis components, fire pump and related components, water tank, fire body, electrical components, painting, and equipment. All items of these proposal specifications will conform to the National Fire Protection Association Pamphlet No. 1901, latest edition. The manufacturer will furnish satisfactory evidence of our ability to construct, supply service parts and technical assistance for the apparatus specified. The proposed chassis will be certified as conforming to all applicable federal motor vehicle safety standards (FMVSS) in effect at the date of contract. This will be attested to by the attachment of a FMVSS certify caution label on the vehicle by the manufacturer, who will be recognized as the responsible final manufacturer.

GENERAL CONSTRUCTION

The proposed apparatus, assemblies, subassemblies, component parts, etc., will be designed and constructed with the due consideration to the nature and distribution of the load to be sustained and to the general character of the service to which the apparatus is to subject when placed in service. All parts of the apparatus will be designed with a factor of safety, which is equal to or greater than that which is considered standard and acceptable for this class of equipment in firefighting service. All parts of the proposed apparatus will be strong enough to withstand general service under full load. The apparatus will be so designed that the various parts and readily accessible for lubrication, inspection, adjustment and repair. The apparatus will be designed and constructed, and the equipment so mounted, with due consideration to distribution of the load between front and rear axles that all specified equipment, including a full water tank, loose equipment, and firefighters will be carried without overloading or injuring the apparatus.

FLUID CAPACITY PLATE

A permanently affixed fluid data plate shall be installed in the driving compartment to indicate the type and quantities of the following fluid used in the vehicle.

- a) Engine Oil
- b) Engine Coolant
- c) Chassis Transmission Fluid
- d) Pump Transmission Lubrication Fluid
- e) Pump Primer Fluid
- f) Drive Axle(s) Lubrication Fluid
- g) Air Conditioning Refrigerant
- h) Air Conditioning Lubrication Oil
- i) Power Steering Fluid

The following information shall also be supplied on the Fluid Data Plate:

- a) Chassis Manufacturer
- b) Production Number
- c) Paint Number

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- d) Year Built
- e) Date Shipped
- f) Vehicle Identification Number

OCCUPANCY/SEAT BELT PLATE

There shall be provided and installed plate(s) which read, "Occupants must be seated and belted when the apparatus is in motion". This plate(s) shall be visible from each seated position.

APPARATUS MOVEMENT WARNING PLATE

A permanently affixed warning plate shall be installed near the door ajar light. The plate shall read "DO NOT MOVE APPARATUS WHEN LIGHT IS ON".

DOOR AJAR LIGHT

There shall be a red door ajar hazard light mounted in the cab in clear view of driver wired to spring loaded door ajar lights.

OVERALL HEIGHT PLATE

A height of vehicle, GVWR plate shall be mounted in the driving compartment and shall be clearly identified and visible to the driver while seated.

CHASSIS SPECIFICATIONS

The apparatus will have a new chassis furnished with a 4-door cab and chassis. Chassis-cab shall be suitable for subsequent mounting of a modular (containerized), transferable equipped apparatus body conforming to the requirements specified herein:

Cab-chassis shall meet or exceed the minimum requirements of this specification.

Year: 2025

Manufacturer: Dodge Ram

Model: 5500 DRW

Trim Level: Tradesman

G.V.W.R: 19,500 lbs.

Engine: 6.7 Liter I6 Cummins Turbo Diesel Engine

Transmission: 6 Speed Automatic Transmission

Transfer Case: 2- speed manual

Front Axle: Stabilizer bar

Rear Axle: 4.44 axle ratio

Shocks: Heavy duty front and rear

Brakes: Power, self -adjusting, hydraulic with four wheel anti-lock, disc front and rear

Steering: Power assisted

Horns: Dual electric

Air Conditioning/ Heating: Standard

Fuel Tank: Single with 50 gallon minimum capacity

Fuel Fill: There shall be a fuel fill neck located at rear of apparatus in body with Diesel Fuel Only Label.

Bumper: Factory Chrome

Wipers: Minimum 2-speed with pause and intermittent feature with standard windshield washer functions

Wheels: Steel disc with six (6) 225/70R19.5G All Position Front and Rear Traction tires
Continental Brand Tires

Driver and passenger side airbags

Windows/glass: Tinted safety glass

Instrumentation: Full set of gauges including oil pressure, water temperature and fuel level

Interior: Opal gray with standard padded dashboard

Front Seats: Heavy Duty Vinyl 40.20.40 split front bench seat. With center armrest, cup holder storage and manual driver side lumbar support.

Rear Seats: Standard Bench

Mirrors: Manual telescoping

Convenience light group: Dual head dome light controlled by headlight/parking light switch and door operated switches (driver and passenger); under hood light; headlight "ON" audible alert

Lights: Halogen headlights

Cab Door Windows: OEM power type on left and right cab doors

Cab Door Locks: OEM power type on left and right cab doors

Radio: factory installed AM/FM stereo radio with digital clock with four speakers

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Ambulance package with dual alternators, 440 Amp

Battery: Dual 750 cca/ 78 Amp

Color (standard): Bright Red

MUD FLAPS

There shall be mud flaps two (2) provided on both sides of the body on the rear wheels. The flaps will have the company logo. The flaps will not extend down far enough to entangle with the rear tires when the apparatus is backing up.

WINCH

There shall be a Warn 12,000# winch installed within the chrome brush guard on the front of the apparatus.

BRUSH GUARD

The brush guard assembly shall be provided and installed on the front of the apparatus. The assembly shall encompass the perimeter of the chassis front. The brush guard will be chrome.

REAR RECEIVER HITCH

There shall be a 2" receiver hitch installed at the rear of the apparatus in the rear bumper.

REAR TOW PLATES

There shall be two (2) rear tow plates installed with a 1 1/2" ID holes. They will be constructed with 1" steel plate on the apparatus. These shall be located below the apparatus body and fastened to the rear chassis frame rails.

PUMP

Pump shall be a Darley 2 BE 18V capable of 375 GPM @ 25 PSI, 300 GPM @ 45 PSI, and 100 GPM @ 140 PSI.

The pump will have the following instrumentation:

- Throttle
- Ignition switch
- Choke Control
- Pressure gauge

The pump will have a Briggs & Stratton Vanguard engine. The pump shall have an exhaust primer, electric start, fuel pump and filter, and flywheel alternator.

PLUMBING

All plumbing components shall be fabricated from stainless steel, or flexible high pressure hose with steel ends.

All the plumbing will be tested to insure that it is capable of delivering water to the pump at the rate of 375 GPM at a 150 psi pressure.

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All intakes shall have suitable closers either valves or caps. All with capable of withstanding 500 psi. All discharges will have chrome NST cap and chains unless otherwise noted within the specification.

TANK TO PUMP

There shall be one (1) 2 ½" tank to pump valve.

INLET

There shall be one (1) 2 ½" tank-to-pump suction line There shall be Elkhart suction swivel valve at the rear of the unit with a chrome plated plug, cap and chain.

DISCHARGE

Two (2) 1 ½" discharge will be installed at the rear of the unit. A Elkhart chrome cap and chain will be installed with the discharge.

BOOSTER REEL VALVE

There shall be one (1) 1" valve for the booster reel line installed at the rear of the skid.

TANK REFILL

There shall be a tank refill that is a 1" line with a 1" valve that is reinforced wire-braid, hydraulic hose.

HOSE THREADS

All threads on hoses will be NST on the base at the intake and discharges unless it otherwise noted with the in specification.

LABELS

All labels will be clear marked for ease of use and understanding. All labels will meet current NFPA standards.

BOOSTER REEL

There shall be a Hannay electric hose reel mounted on the passenger's side rear of flat bed. Reel must have 150' of new; 1" redline fire hose with nozzle. The hose reel inlet connection shall be a 1" inline quarter turn valve and 1" flexible wire reinforced hose. The hose reel outlet connection shall be 1" NPSH thread. The control shall be located on the rear mounted pump operators panel.

The motor will be controlled with one (1) push button switch located on the pump control panel.

There shall be a roller for hose reel for easy deployment.

There shall be a button for ease of re-rolling the hose after use.

WATER TANK

Tank shall have minimum capacity of 300 gallons water. The apparatus booster tank shall be constructed of the highest quality poly material available. Tank shall be baffled in accordance with NFPA requirements and have a fill tower.

The water tank will have a built in sight gauge will be will be 2" in width natural in color and 70% transparent.

WATER TANK WARRANTY

The proposed water tank will be warranted by the water tank manufacturer for the "Lifetime" of the unit. A copy of the manufacturer's warranty will be supplied to define additional details of the warranty provisions.

PUMP PLATFORM

The pump platform shall be constructed of polypropylene and shall be attached to the booster tank.

FOAM SYSTEM

There shall be a FoamPro 1600 system installed on the apparatus. The FoamPro is electronic, fully automatic, variable speed, direct injection, discharge side foam proportioning system. The system shall be capable of handling Class A foam concentrate. The foam proportioning operation shall be based on direct measurement of water flows, and remain consistent within the specified flows and pressures. System must be capable of delivering accuracy to within 3% of calibrated settings over the advertised operation range when installed according to factory standards. The system shall be equipped with a control module suitable for installation on the pump panel. Incorporated within the motor driver shall be a microprocessor that receives input from the system flowmeter, while also monitoring foam concentrate pump output, comparing values to ensure that the operator preset proportional amount of foam concentrate is injected into the discharge side of the fire pump. A paddlewheel-type flowmeter shall be installed in the discharge system specified to be "foam capable."

The control module shall enable the pump operator to:

Activate the foam proportioning system

Select proportioning rates from 0.1% to 1.0%

See a "low concentrate" warning light flash when the foam tank runs low and in two minutes, if foam concentrate is not added to the tank, shut the foam concentrate pump down

A 12 or 24-volt electric motor driven positive displacement plunger pump shall be provided. The pump capacity shall be 1.7 gpm (6.4 L/min) at 200 psi (13.8 BAR) with a maximum operating pressure up to 400 psi (27.6 BAR). The system will draw a maximum of 30 amps @ 12 VDC or 15 amps @ 24 VDC. The motor shall be controlled by the microprocessor (mounted to the base of the pump). It shall receive signals from the control module and power the 1/3 hp (.25 Kw) electric motor in a variable speed duty cycle to ensure that the correct proportion of concentrate is injected into the water stream. A full flow check valve shall be provided in the discharge piping to prevent foam contamination of fire pump and water tank. A 5 psi (.35 BAR) opening pressure check valve shall be provided in concentrate line.

Components of the complete proportioning system as described above shall include:

Operator control module

Paddlewheel flowmeter

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Pump and electric motor/motor driver
Wiring harnesses
Low level tank switch
Foam tank
Foam injection check valve
Main waterway check valve

An installation and operation manual shall be provided for the unit, along with a one-year limited warranty by the manufacturer.

The system design shall have passed environmental testing which simulates heavy use on off-road mobile apparatus. Testing shall have been conducted in accordance to SAE standards.

FOAM TANK

There shall be a 5 gallon foam cell installed on top of the tank. The foam cell will be constructed of the same material as the water tank. The foam tank will have a spate fill tower and screen. The foam cell shall have a vertical translucent strip foam level gauge in the tank rear wall.

PUMP CONTROL PANEL

A control panel with an engine start button, an engine shut-off switch, a panel light and switch, throttle control, primer control and a 2.5" liquid filled discharge gauge shall be provided and conveniently located near the pump/engine assembly.

APPARATUS BODY DESCRIPTION

The installation of the apparatus body will follow all current practices of the FMVSS standards. All welds will meet the current AWS standards.

The entire body, superstructure and sub-frame, shall be constructed entirely of Aluminum material. Body shall be mounted to chassis with an eight point mounting system designed for brush truck bodies.

The body shall be of a modular design to make it possible for the body to be removed from the chassis for major repair or mounting on a new chassis

The following will be the dimensions of the apparatus:

- Length for platform shall be 108 inches
- Width for platform shall be 96 inches

9' PLATFORM DECK

The entire body, superstructure and sub-frame, shall be constructed entirely of Aluminum material

It shall be of a modular design to make it possible for the body to be removed from the chassis for major repair or mounting on a new chassis

The body deck shall be constructed of 1-1/4" high extrusions x 6" wide x 0.109" material thickness, with center "T" stiffening rib, of 60-61-T6 alloy

ALUMINUM SUB-FRAME

The body framework shall be constructed of Aluminum channels. To form the framework, these channels shall be beveled and externally and internally at each joint. The main underbody structure beams shall be two pieces and constructed of 7" x 2" x .230" Aluminum Channel. The outside beams shall be constructed of 2.5" x 6" x .170" Aluminum Channel to provide extreme protection for warning lights which are mounted inside channel.

The body sub-frame main cross-members shall be constructed of the same Aluminum Z channel material.

The body shall be securely attached to the chassis rails in accordance with chassis manufacturers body building standards.

All body parts made of dissimilar metals shall be fastened to the body utilizing a gasket between the parts, to prevent metal-to-metal contact, to prevent chemical corrosion

The body shall be constructed with cross members on 12" centers constructed of 2" x 5" x 11 Gauge high quality aluminum tubing. Body shall be mounted to chassis with an eight (8) point mounting system.

UNDERCOATING

The body sub-frame shall be undercoated with a heavy duty automotive type undercoating before the rubber backing and the compartment are bolted on After the body has been bolted onto the sub-frame and all final items have been installed the body shall be undercoated in the same manner

REAR CAB PROTECTION

An aluminum headache rack shall be supplied at the front of the deck, this rack shall protect the rear of the chassis cab and be suitable for mounting the warning light bar and deck lights. Headache rack shall be constructed by 3" x 3" x 1/4" high grade aluminum channel and aluminum 11 gauge wire mesh. There shall be 3/16" aluminum tread plate mounted on headache rack, below wire mesh in front of body.

There shall be a aluminum screen across the top to allow for good drivers vision out the rear window.

COMPARTMENTS (DRIVERS AND PASSENGERS SIDE OF VECHILE)

All compartments will have doors hinged horizontally unless otherwise noted, also all compartments will be made in such a way to maximize air flow and minimize moisture unless otherwise noted. All doors will have gas struts to aid in opening and closing of the doors.

DRIVERS 1 COMPARTMENT (D1)

There shall be one (1) compartment on the driver side ahead of the rear wheels, size 28" tall x 72" wide x 24" deep.

DRIVERS 2 COMPARTMENT (D2)

There shall be one (1) compartment on the driver side above the rear wheels, size 28" tall x 36" wide x 24" deep.

UNDERBODY LONG BOX (ULB)

Under the bed of the apparatus there shall be a long box, the box will run the length of the bed between the long sills. There will be a drop down door in the rear for the box.

PASSENGERS 1 COMPARTMENT (P1)

There shall be one (1) compartment on the passengers side ahead of the rear wheels, size 28" tall x 72" wide x 24" deep.

COMPARTMENT DOORS

All compartment doors will be "slam" style. The doors will be recessed into the apparatus body sides.

DOOR LATCHES

Unless other noted all door latches will be "d" style..

All Doors will be keyed with 1250 keys and 10 spare keys will be provided.

COMPARTMENTS

All compartments shall be constructed from 11 gauge aircraft grade aluminum diamond plate. All compartments shall have continuous tig welded seams and shall be the lap style design. Compartment doors shall be securely attached to the compartment with stainless steel fasteners using a full-length stainless hinge.

All doors shall be bolted to the hinge, utilizing gaskets, to allow for door removal in the event of damage. Door openings shall be fitted with a neoprene weather strip, completely sealing the perimeter of the compartment door opening. Latches shall be recessed stainless steel D-ring type latches.

All compartments will be fitted with 4" compartment lights. Lights shall be wired to magnetic door ajar switches mounted in compartments to turn lights on and off as door opens.

COMPARTMENT WEATHER STRIPPING

All compartment doors shall have weather stripping around the entire perimeter of the compartment door opening. All weather stripping shall be heavy duty automotive hollow core type. All weather stripping shall be applied to metal surface.

COMPARTMENT VENTING

There shall be vents in the compartment that all air to flow freely, and the vent will be neat and trim to the finish of the apparatus. They will not impeded the use of the doors of the compartments.

BODY TOP COMPARTMENTS

There shall be two (2) body top compartments. They will be installed in the following

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areas.

One (1) expanded aluminum open top box will be installed on the drivers side. The box will measure: 8" tall x 24" wide x 96" long.

One (1) diamondplate aluminum open top tray will be installed on the passengers side. The box will measure: 8" tall x 24" wide x 72" long.

Neither box will interfere with operation the doors on the side of the apparatus.

UNDERBODY BOX AND SPARE TIRE HOLDER

There shall be a underbody box installed on the drivers side of the apparatus. The box will be smooth aluminum with a diamondplate aluminum door measuring: 11" x 18" x 33".

The door of the this compartment will be hinged on the bottom, and open down. The door will be held open with a cable. The handles will be made of stainless steel.

On the passengers side there shall be a spare tire holder. It shall be fabricated and installed under the bed ahead of the tires. It shall be made is such a way to make it easy to use.

12 VOLT ELECTRICAL SYSTEM

The 12 volt apparatus body electrical system shall be provided and shall be in compliance with NFPA 1901 testing and certification procedures. All body electrical equipment installed by the apparatus manufacturer shall conform to current automotive electrical system standard, the latest Federal DOT standards and the requirements of the applicable NFPA Apparatus Standard.

MASTER BATTERY SWITCH

An electronic solenoid will be incorporated into the ignition switch that cuts the electrical power to the body of the vehicle. The ignition switch must be on for the electric starter on the pump to work.

BACKUP ALARM

A 97db backup alarm shall be provided and shall automatically activate when the apparatus transmission is placed into reverse. The backup alarm shall exceed all NFPA1901 and SAE J994 Type D requirements and testing.

LOW VOLTAGE ALARM

There shall be a low voltage alarm installed on the apparatus. The alarm will have and audible alarm and light buzzer located in the cab.

UNDERBODY/CAB GROUND LIGHTS

There shall be four (4) clear LED lights provided under the apparatus body:

There shall be two (2) 4" clear LED lights provided under the front of the body. These lights will be housed in a way to protect from damage.

There shall be two (2) 4" clear LED lights provided under the tail board. These lights will be housed in a way to protect from damage.

They will activate with parking brake of when the transmission is placed in park.

LICENSE PLATE LIGHT

One (1) Chrome license plate light with bracket shall be installed on the rear of the vehicle.

NFPA LED LIGHTING PACKAGE

One (1) the fully compliant NFPA LED lighting package meets the entire zone requirement of the latest 1901 standards. This package is for apparatus with an overall length under thirty (30) feet.

LIGHTBAR

There shall be one (1) Whelen JE2NFPA 56" lightbar installed on the apparatus. The lightbar will be installed on the roof of the chassis. The light bar will have clear lens and consist of the following modules:

- Four (4) Red LIN6 LED modules, two on each corner
- Four (4) Red CON3 LED modules, across the front
- Two (2) White CON3 LED modules, on the front

The light bar will be mounted with the Whelen MKEZ7 light bar mount

The light bar will be controlled with a switch in the apparatus cab.

LOWER WARNING LIGHTS

There shall be a total of eight (8) Whelen LED warning lights installed on the apparatus.

There shall be six (6) Whelen 70R02FRR LED lights installed on the apparatus. These lights will be mounted in chrome housings on the apparatus. The lights will be installed in the following areas:

- Two (2) in the chassis grill (one on each side)
- Two (2) over the rear wheel (one on each side)
- Two (2) rear facing near the tail lights (one on each side)

There shall be two (2) Whelen 50R03ZRR 5"x2" installed on the apparatus. These lights will be mounted in chrome housings on the apparatus. The lights will be installed in the following areas:

- One (1) on the right front fender
- One (1) on the left front fender

All lower warning lights will be Red with Red lens.

All eight (8) lower warning lights will be controlled by a switch in the cab of the apparatus.

SIREN

One (1) Whelen model 295slsa1 100 watt, electronic siren shall be mounted in the chassis cab in a location convenient to the driver. The electronic siren shall include "hands-free" operation, full function, 17 Scan-Lock siren tones, Air horn and hard wired microphone. The siren control head shall be lighted for easy night operation.

SPEAKER

There shall be one (1) 100 watt speaker mounted behind the front bumper of the apparatus. The Speaker will be installed on the passenger side of the apparatus.

4" LED STOP, TAIL, TURN AND BACK-UP LIGHTS

Two (2) LED red combination tail and stop lights shall be mounted one each side at the rear of the body.

Two (2) white halogen back-up lights, shall be mounted one each side on a vertical plane with the turn/tail/stop signals. These lights shall activate when the transmission is placed in reverse gear.

EXTERIOR LIGHTING

Exterior lighting shall meet or exceed Federal Department of Transportation, Federal Motor Vehicle Safety Standards and National Fire Protection Association requirements in effect at time of proposal.

Front headlights shall be halogen type and comply to all FMVSS requirements.

DOT MARKER LIGHT PACKAGE

Incandescent DOT clearance lights and reflectors shall be installed in conformance to the latest Federal DOT standards.

The following will be installed to meet these standards:

- Two (2) 2" red LED identification lights, one (1) on each side rear of body
- Two (2) 2" red LED identification lights, one (1) on each side rear corner
- Two (2) 2" amber LED identification lights, one (1) each side front of body
- Three (3) 2" red LED identification lights, on rear
- Two (2) amber reflectors, one (1) each side
- Four (4) reflectors, one (1) each side and two (2) on the rear

COMPARTMENT LIGHTS

There shall be compartment lights installed in each compartment. The lights will be 5" and come on when the door is open.

CENTER CONSOLE

There shall be a center console mounted between cab seats with all emergency switches and controls. Center console shall be constructed of aluminum and have map storage in the middle with light. Console shall be natural finish aluminum.

PUMP/WORKLIGHT

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There shall be one (1) LED Rough Country pump work light installed above the skid unit. The light will be a 12V, and wired to the electric start on the pump.

STRIPING

Per the departments specification the striping will be installed by them.

LETTERING

Per the departments specification the striping will be installed by them.

MANUALS-OPERATOR, SERVICE, PARTS

Two (2) copies of all operator, service, and parts manuals shall be supplied at the time of delivery.

WARRANTIES

General Warranty

A one (1) year new vehicle warranty will be provided, upon delivery and acceptance of the vehicle. The warranty will ensure that the vehicle has been manufactured to the contract specifications and will be free from defects in material and workmanship that may appear under normal use and service within the warranty period. The warranty may be subject to different time and mileage limitations for specific components and parts. This warranty is issued to the original purchaser of the vehicle.

The warranty will not apply to any parts or components that are warranted directly by their manufacturers. The warranty will not apply to routine maintenance requirements as described in the service and operator's manual. No warranty whether expressed, implied, statutory or otherwise including, but not limited to any warranty of merchantability or fitness for purpose will be imposed.

The manufacturer or representative will be notified in writing within the warranty period of any failure of the vehicle to comply with the specified warranty. If requested, the purchaser will promptly return the apparatus, component or part to the manufacturer for inspection of any defect in material or workmanship occurring within the applicable time limits. The manufacturer will either repair or replace any defective components or parts. Repair or replacement of the defective item will be at the sole discretion of the manufacturer. The Basic Vehicle Warranty covers all components and parts unless specifically covered by other descriptions or otherwise excluded herein. Repair or replacement of components will be done without cost to the purchaser when performed within the warranty period. Warranty repairs will not constitute an extension of the original warranty period, either for the entire apparatus or any specific components or parts.

The warranty will be inclusive and in lieu of all other warranties whether written, oral or implied, including but not limited to any warranty of merchantability or fitness for purpose. The warranty will be void and the manufacturer will not be obligated to repair or replace any component or part where the necessity of such replacement or repair, in the opinion of the manufacturer, is due in whole or in part to loads in excess of factory rated capacities, modification or alteration, accident or other misuse or abuse of the vehicle.

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In no event will the manufacturer be liable for special or consequential damages including but not limited to injuries to persons or damage to property or loss of vehicle use.

The apparatus will be maintained and serviced, by the purchaser, according to the prescribed schedules outlined in the operators and service manuals. As a condition of the warranty the manufacturer may require that receipts or other evidence be provided to verify that maintenance and service has been performed.

Commercial Chassis Warranty

The commercial chassis and all of the chassis related components will only be covered by the Chassis Manufacturer's warranty as provided to the vehicle manufacturer. A copy of the chassis manufacturer's warranty will be supplied to define additional details of the warranty provisions.

Exclusions

To better understand the warranty, the following is a description of some conditions that are not covered by this warranty.

LOOSE FASTENERS: Nuts, bolts and screws may loosen due to road shocks, engine vibration, etc. Maintaining necessary tightness is your responsibility.

Glass and lens breakage and scratches.

Chrome, aluminum, or stainless components with bright finishes - general rust and/or staining, bluing or yellowing, rust pits and/or nicks caused by road debris, streaks, stains and corrosion caused by severe wash solutions or road salts.

Other: Some further examples that we are not responsible for are as follows: Traveling expense; Road calls; Unauthorized towing charges; Accident repairs, loss of apparatus use; Communications charges; Cost of rental equipment; Repair or replacement of items not furnished or installed by us. Road tests or Dynamometer testing.

Tires are covered by their respective manufacturer's warranty.

Modifications

If dealers or customers cause any vehicle modifications or equipment installations to be performed and these modifications or installations adversely affect other vehicle components or vehicle performance, we will not accept any product liability or claims under the terms of this warranty. These claims and any required repairs would be the responsibility of the person doing the modification or installation.

Body Sub-Structure

The proposed body will be warranted against structural defects for a period of twelve (12) years from the date of acceptance of the unit. Details of warranty coverage, limitations and exclusions are included in the specific warranty document.

Corrosion Warranty

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The proposed body will be warranted against rust-through or perforation, due to corrosion from within, for a period of twelve (12) years. Perforation is defined as a condition in which an actual hole occurs in a sheet metal panel due to rust or corrosion from within. Surface rust or corrosion caused by chips or scratches in the paint are not covered by this warranty.

Paint Warranty

The proposed paint finish will be warranted for a period of seven (7) years from the date of acceptance of the unit. Details of warranty coverage, limitations and exclusions are included in the specific warranty document.



Tubac Fire District

Proposal for One (1)

**Deep South Wildland
Type 6 (Fire Engine)
\$179,200.00**

REFURBISHMENT SPECIFICATIONS

CHASSIS SPECIFICATIONS

The apparatus will have a new chassis furnished with a 4-door cab and chassis. Chassis-cab shall be suitable for subsequent mounting of a modular (containerized), transferable equipped apparatus body conforming to the requirements specified herein:

Cab-chassis shall meet or exceed the minimum requirements of this specification.

Year: 2025

Manufacturer: Dodge Ram

Model: 5500 DRW

Trim Level: Tradesman

G.V.W.R: 19,500 lbs.

Engine: 6.7 Liter I6 Cummins Turbo Diesel Engine

Transmission: 6 Speed Automatic Transmission

Transfer Case: 2- speed manual

Front Axle: Stabilizer bar

Rear Axle: 4.44 axle ratio

Shocks: Heavy duty front and rear

Brakes: Power, self -adjusting, hydraulic with four-wheel anti-lock, disc front and rear

Steering: Power assisted

Horns: Dual electric

Air Conditioning/ Heating: Standard

Fuel Tank: Single with 50-gallon minimum capacity

Fuel Fill: There shall be a fuel fill neck located at rear of apparatus in body with Diesel Fuel Only Label.

Bumper: Factory Chrome

Wipers: Minimum 2-speed with pause and intermittent feature with standard windshield washer functions

Wheels: Steel disc with six (6) 225/70R19.5G All Position Front and Rear Traction tires
Continental Brand Tires

Driver and passenger side airbags

Windows/glass: Tinted safety glass

Instrumentation: Full set of gauges including oil pressure, water temperature and fuel level

Interior: Opal gray with standard padded dashboard

Front Seats: Heavy Duty Vinyl 40.20.40 split front bench seat. With center armrest, cup holder storage and manual driver side lumbar support.

Rear Seats: Standard Bench

Mirrors: Manual telescoping

Convenience light group: Dual head dome light controlled by headlight/parking light switch and door operated switches (driver and passenger); under hood light; headlight "ON" audible alert

Lights: Halogen headlights

Cab Door Windows: OEM power type on left and right cab doors

Cab Door Locks: OEM power type on left and right cab doors

Radio: factory installed AM/FM stereo radio with digital clock with four speakers

Ambulance package with dual alternators, 440 Amp

Battery: Dual 750 cca/ 78 Amp

Color (standard): Bright Red

MUD FLAPS

There shall be mud flaps two (2) provided on both sides of the body on the rear wheels. The flaps will have the company logo. The flaps will not extend down far enough to entangle with the rear tires when the apparatus is backing up.

WINCH

There shall be a Warn 12,000# winch installed within the chrome brush guard on the front of the apparatus.

BRUSH GUARD

The brush guard assembly shall be provided and installed on the front of the apparatus. The assembly shall encompass the perimeter of the chassis front. The brush guard will be chrome.

Deep South Fire Trucks, Inc. – 2342 Hwy 49 N – P.O. Box 293 – Seminary, MS 39479

(800) 727-4166 – (601) 722-4166 Direct - (601) 722-4168 Fax

www.deepsouthfiretrucks.com

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REAR RECEIVER HITCH

There shall be a 2" receiver hitch installed at the rear of the apparatus in the rear bumper.

REAR TOW PLATES

There shall be two (2) rear tow plates installed with a 1 1/2" ID holes. They will be constructed with 1" steel plate on the apparatus. These shall be located below the apparatus body and fastened to the rear chassis frame rails.

PUMP/TANK/STORAGE BOX SPECIFICATIONS

The existing body, tank, and pump shall be removed from chassis and inspection for any trouble/problem's areas addressed before re-mounting on chassis.

The body, tank, and pump shall be remounted on the chassis frame rails and installed per the original tank manufactures specifications and requirements.

The skid unit power from chassis shall be reconnected for operations and tested upon completion.

12 VOLT ELECTRICAL SYSTEM

The 12-volt apparatus body electrical system shall be provided and shall be in compliance with NFPA 1901 testing and certification procedures. All body electrical equipment installed by the apparatus manufacturer shall conform to current automotive electrical system standard, the latest Federal DOT standards and the requirements of the applicable NFPA Apparatus Standard.

MASTER BATTERY SWITCH

An electronic solenoid will be incorporated into the ignition switch that cuts the electrical power to the body of the vehicle. The ignition switch must be on for the electric starter on the pump to work.

BACKUP ALARM

A 97db backup alarm shall be provided and shall automatically activate when the apparatus transmission is placed into reverse. The backup alarm shall exceed all NFPA1901 and SAE J994 Type D requirements and testing.

LOW VOLTAGE ALARM

There shall be a low voltage alarm installed on the apparatus. The alarm will have and audible alarm and light buzzer located in the cab.

UNDERBODY/CAB GROUND LIGHTS

There shall be four (4) clear LED lights provided under the apparatus body:

There shall be two (2) 4" clear LED lights provided under the front of the body. These lights will be housed in a way to protect from damage.

There shall be two (2) 4" clear LED lights provided under the tail board. These lights will be housed in a way to protect from damage.

They will activate with parking brake of when the transmission is placed in park.

LICENSE PLATE LIGHT

One (1) Chrome license plate light with bracket shall be installed on the rear of the vehicle.

NFPA LED LIGHTING PACKAGE

One (1) the fully compliant NFPA LED lighting package meets the entire zone requirement of the latest 1901 standards. This package is for apparatus with an overall length under thirty (30) feet.

LIGHTBAR

There shall be one (1) Whelen JE2NFPA 56" lightbar installed on the apparatus. The lightbar will be installed on the roof of the chassis. The light bar will have clear lens and consist of the following modules:

- Four (4) Red LIN6 LED modules, two on each corner
- Four (4) Red CON3 LED modules, across the front
- Two (2) White CON3 LED modules, on the front

The light bar will be mounted with the Whelen MKEZ7 light bar mount

The light bar will be controlled with a switch in the apparatus cab.

LOWER WARNING LIGHTS

There shall be a total of eight (8) Whelen LED warning lights installed on the apparatus.

There shall be six (6) Whelen 70R02FRR LED lights installed on the apparatus. These lights will be mounted in chrome housings on the apparatus. The lights will be installed in the following areas:

- Two (2) in the chassis grill (one on each side)
- Two (2) over the rear wheel (one on each side)
- Two (2) rear facing near the tail lights (one on each side)

There shall be two (2) Whelen 50R03ZRR 5"x2" installed on the apparatus. These lights will be mounted in chrome housings on the apparatus. The lights will be installed in the following areas:

- One (1) on the right front fender
- One (1) on the left front fender

All lower warning lights will be Red with Red lens.

All eight (8) lower warning lights will be controlled by a switch in the cab of the apparatus.

SIREN

One (1) Whelen model 295slsa1 100-watt, electronic siren shall be mounted in the chassis cab in a location convenient to the driver. The electronic siren shall include "hands-free" operation,

full function, 17 Scan-Lock siren tones, Air horn and hard-wired microphone. The siren control head shall be lighted for easy night operation.

SPEAKER

There shall be one (1) 100-watt speaker mounted behind the front bumper of the apparatus. The Speaker will be installed on the passenger side of the apparatus.

4" LED STOP, TAIL, TURN AND BACK-UP LIGHTS

Two (2) LED red combination tail and stop lights shall be mounted one each side at the rear of the body.

Two (2) white halogen back-up lights, shall be mounted one each side on a vertical plane with the turn/tail/stop signals. These lights shall activate when the transmission is placed in reverse gear.

EXTERIOR LIGHTING

Exterior lighting shall meet or exceed Federal Department of Transportation., Federal Motor Vehicle Safety Standards and National Fire Protection Association requirements in effect at time of proposal.

Front headlights shall be halogen type and comply to all FMVSS requirements.

DOT MARKER LIGHT PACKAGE

Incandescent DOT clearance lights and reflectors shall be installed in conformance to the latest Federal DOT standards.

The following will be installed to meet these standards:

- Two (2) 2" red LED identification lights, one (1) on each side rear of body
- Two (2) 2" red LED identification lights, one (1) on each side rear corner
- Two (2) 2" amber LED identification lights, one (1) each side front of body
- Three (3) 2" red LED identification lights, on rear
- Two (2) amber reflectors, one (1) each side
- Four (4) reflectors, one (1) each side and two (2) on the rear

COMPARTMENT LIGHTS

There shall be compartment lights installed in each compartment. The lights will be 5" and come on when the door is open.

CENTER CONSOLE

There shall be a center console mounted between cab seats with all emergency switches and controls. Center console shall be constructed of aluminum and have map storage in the middle with light. Console shall be natural finish aluminum.

PUMP/WORKLIGHT

There shall be one (1) LED Rough Country pump work light installed above the skid unit. The light will be a 12V, and wired to the electric start on the pump.

STRIPING

Per the departments specification the striping will be installed by them.

LETTERING

Per the departments specification the striping will be installed by them.

MANUALS-OPERATOR, SERVICE, PARTS

Two (2) copies of all operator, service, and parts manuals shall be supplied at the time of delivery.

TUBAC FIRE DISTRICT

Resolution No. 2024- 005

A FORMAL RESOLUTION OF THE ELECTED BOARD OF THE TUBAC FIRE DISTRICT OF SANTA CRUZ COUNTY OF TUBAC, ARIZONA, PERTAINING TO THE SUBMISSION OF PROJECTS FOR CONSIDERATION IN ASSISTANCE TO FIREFIGHTERS GRANT:

WHEREAS, the Assistance to Firefighters Grant is seeking proposals from agencies for projects relating to all aspects of firefighter equipment; and

WHEREAS, the Tubac Fire District, is interested in submitting projects to be considered for funding in the form of reimbursable grants from the Assistance to Firefighters Grant;

NOW, THEREFORE, BE IT RESOLVED by the Governing Board of the Tubac Fire District of Tubac, Arizona as follows:

1. THAT approval of the submission of projects for consideration in Assistance to Firefighters Grant is granted.
2. THAT Ben Guerrero, Fire Chief is appointed agent for the Tubac Fire District, to conduct all negotiations and to execute and submit all documents and any other necessary or desirable instruments in connection with such grant.

PASSED AND ADOPTED by the Governing Board of the Tubac Fire District of Tubac, Arizona, this 30 day of October, 2024.

ATTEST:

BOARD CHAIRMAN

BOARD CLERK

Sandy Johnson

Mary Dahl

Print Name

Print Name

CERTIFICATION

I HEREBY CERTIFY that the foregoing Resolution Number 2024-005 was duly passed and adopted by the Governing Board of the Tubac Fire District of Tubac, Arizona, at a regular meeting held on the 30th day of October 20 24, and that a quorum was present at the meeting.

SANDY JOHNSON
BOARD CHAIRMAN

APPROVED AS TO FORM:

Mary Dahl
BOARD CLERK

