

Project Title Risk Management to Reduce Vehicle Incidents in the Fire Service			Date
Operation Description Vehicle operations	Team Members Department B	Team Facilitators	Relevant SOPs

No	A	B	C	D	E	F	G
	Incident/Operation Type	Risks/Hazards	Likelihood	Hazard Effect/ (include cost)	Risk Rating	Current Controls	Possible New Controls
1	Non-emergency driving incident	<ul style="list-style-type: none"> Complacency Parking Unsafe Maneuvering Unsafe vehicle positioning Failure to use wheel chocks 	2	1	2	<ul style="list-style-type: none"> Training <ul style="list-style-type: none"> o EVOC o DPO/Aerial Operator Policy <ul style="list-style-type: none"> o Comm. Devices o Risk Policy 	<ul style="list-style-type: none"> Remediation Proc. & Protocol Pro-Active Training <ul style="list-style-type: none"> o Target areas revealed from collision data
2	On Scene Incidents	<ul style="list-style-type: none"> Operating accessories (e.g. ladders, generators) 	1	2	2	<ul style="list-style-type: none"> Training SOPs 	<ul style="list-style-type: none"> Vehicle Familiarity – Quick Reference Guides for vehicles
3	Animal Incidents	<ul style="list-style-type: none"> 	3	2	6	<ul style="list-style-type: none"> Training and awareness 	<ul style="list-style-type: none"> Increased training and awareness
4	Losing Equipment / open compartment doors	<ul style="list-style-type: none"> Pre-operation check failure 	2	2	4	<ul style="list-style-type: none"> Apparatus warnings and alarms 	<ul style="list-style-type: none"> Consistent pre-op check list Pre-op inspection training – CDL class
5	Backing Incident	<ul style="list-style-type: none"> Striking building/structures within station Lack of spotters Failure of communication with spotters (hand signals) On scene narrow driveways Inadequate lighting 	3	3	9	<ul style="list-style-type: none"> Standard training for all drivers Procedures Cameras Sonar 	<ul style="list-style-type: none"> More cameras Pro-Active Training and awareness Proximity Sensors
6	Driver error related incidents	<ul style="list-style-type: none"> Driver age (vision/hearing impairment) Behavior Risk-taking Poor judgment Years on the job Level of training Different vehicle certifications Hours of driving Driver-vehicle match (ergonomics; access to controls; low visibility inside and outside of vehicle) 	3	2	6	<ul style="list-style-type: none"> Driver Qualifications Training Standards Policy *Comm. Device Operation *Risk Policy – Driving *Personnel Policy for safe operations 	<ul style="list-style-type: none"> Enforcement of Policy Remediation Pro-Active Training/Awareness
7	Emergency response incident	<ul style="list-style-type: none"> Operating lights and sirens Speeding Traffic signal preemption Vehicle size 	3	3	9	<ul style="list-style-type: none"> Policy Opticom system 	<ul style="list-style-type: none"> Pro-Active Training Foul Weather – policy and training Specific emergency response

		<ul style="list-style-type: none"> • Road conditions • Rush hour traffic • Inclement weather (visibility) • Time of day (daytime glare; nighttime darkness and decreased vision) • Traffic conditions • Rush hour traffic (other driver behaviors) • Midday traffic • Morning traffic 					<ul style="list-style-type: none"> • driver training • Use of VDR data
8	Intersection incidents	•	2	2	4	Opticom Policy –	Pro-Active Training
9	Inattention/distraction related incidents	<ul style="list-style-type: none"> • Cell phones • Radios • Communication/directions/instruction from passenger • Complacency • Low situational awareness 	2	2	4	<ul style="list-style-type: none"> • Comm. Devices Policy 	<ul style="list-style-type: none"> • Standardized vehicle design and outfitting • Increased driver-environment visual acuity
10	Procedural failure incident	<ul style="list-style-type: none"> • Operational procedures; use of electronic devices; vehicle checks (daily/monthly/yearly checks and inspections, pump testing, ladder testing) 	2	1	2	<ul style="list-style-type: none"> • Driving/DMV check • Traffic Incident Management System • Testing on all vehicles • Equip Testing 	<ul style="list-style-type: none"> • Recertification training • Pro-Active training • Driver simulator
11	Roadway incident	<ul style="list-style-type: none"> • Lack of conspicuity • Not wearing vests • Inadequate vehicle positioning • Too little vehicle lighting • Too much vehicle lighting • Amount of traffic 	2	3	6	<ul style="list-style-type: none"> • TIMS 	<ul style="list-style-type: none"> • Reinforcement of policy <ul style="list-style-type: none"> ○ Good practices ○ Positioning
12	Exiting station	<ul style="list-style-type: none"> • Striking station/bay doors • Different door systems • Different operations of door systems 	2	2	4	<ul style="list-style-type: none"> • In-station training 	<ul style="list-style-type: none"> • Standard door systems and functionality • Standard training for door operations