

## Job Demands Analysis (JDA)

**Company Name:** City of Richmond – Fire Services

**Job Title:** Modified Duty: Fire Safety Inspection

**General Work Environment:**

- Indoor and Outdoor
- Driving a city vehicle (pick-up truck)
- Noise level may vary depending on the location attended

**Tools used:** Clipboard, pen, small pocket flashlight, Fire Company Inspection notice

Job Task Categories:	% of shift
1) Driving	1) 10%
2) Description of outside of buildings	2) 30-45%
3) Description of inside of buildings	3) 45-60%



<b>Functional Requirements:</b>			
GENERAL FUNCTIONS:	AMOUNT:	% OF WORKDAY	DESCRIPTION/COMMENTS
Walking	Continuous	90%	<ul style="list-style-type: none"> <li>▪ 30-45 minutes typically per site, up to 2 hours</li> <li>▪ To/from truck, around perimeter of building (from warehouses, apartment buildings to shopping malls), throughout inside of building during inspection</li> <li>▪ Walking over various surfaces outside</li> </ul>
Standing	1-10 minute intervals	10-20%	<ul style="list-style-type: none"> <li>▪ Static standing while talking to owner of the building, occasionally during inspection, while making notes</li> </ul>
Climbing	Stairs	0-10%	<ul style="list-style-type: none"> <li>▪ Climbing stairs to various levels of a building</li> <li>▪ Occasionally climbing ladder to view higher areas or shelves in a building</li> </ul>
Sitting/Driving	Sitting up to 1 hour continuously	10-25%	<ul style="list-style-type: none"> <li>▪ Operation of vehicle (typically automatic), within the City of Richmond, up to ~20 minutes continuously</li> <li>▪ Sitting at computer 1 hour typically at start (8-9am) or end (4-5pm) of day</li> </ul>
Kneeling / Crouching	Variable	0-20%	<ul style="list-style-type: none"> <li>▪ As needed to inspect at low levels underneath items</li> </ul>
Neck extension	Variable	10-40%	<ul style="list-style-type: none"> <li>▪ To survey overhead sprinklers, lighting, height of storage, etc.</li> </ul>
Reaching	Variable	0-10%	<ul style="list-style-type: none"> <li>▪ May vary depending on work style, as needed to collect data</li> <li>▪ Infrequently to access overhead roof hatch and push open</li> </ul>
MATERIALS HANDLING:	AMOUNT:	% OF WORKDAY	DESCRIPTION/COMMENTS
Handling / Grasping, Carrying	Variable, light weight	80-100%	<ul style="list-style-type: none"> <li>▪ 1-2 handed grasp of steering wheel, up to 20 minutes continuously</li> <li>▪ 1 handed grasp of clipboard, while other hand manipulating pen or measuring wheel (8-10 lbs)</li> </ul>
Lifting	Variable	5%	<ul style="list-style-type: none"> <li>▪ May vary depending on work style, as needed to collect data</li> </ul>
Pushing / pulling	Variable, light – heavy resistance	0-40%	<ul style="list-style-type: none"> <li>▪ Opening closing doors</li> <li>▪ Infrequently to open overhead roof hatch</li> </ul>

**Recommendations for Return to Work Planning:**

- Any portion of an inspection that cannot be completed by the worker, example climbing ladder, etc. may be left for another worker
- Potentially sitting on garbage bag on driver's seat in truck to allow easier slide transfer to get in/out of truck seat without twisting back, and potentially use of back rest or back roll for workers with back injuries
- Microbreaks (2-5 minutes every 20-60 minutes or as needed), to sit, stretch or relax allowing worker to pace and alleviate fatigue from continuous or repetitive activity