

**Company Name:** City of Richmond

**Job Title:** Light Duty: Catch Basin Inspection

**General Work Environment:**

- Primarily outdoors, (temperature may vary depending on the weather)
- Driving a city vehicle (pick-up truck).
- Noise level may vary, depending on the location of the activities.

**Tools used:** Clipboard, pen, aluminum pole.

| Job Task Categories:                    | % of shift |
|---|------------|
| 1.) Driving city vehicle.               | 1.) 25%    |
| 2.) Inspecting Catch Basins for debris. | 2.) 75%    |



**Functional Requirements:**

| GENERAL FUNCTIONS:          | AMOUNT:                      | % OF WORKDAY | DESCRIPTION/COMMENTS   |
|-----------------------------|------------------------------|--------------|--|
| Walking                     | Variable<br>5 m – 150 m      | 26% - 70%    | <ul style="list-style-type: none"> <li>▪ Primarily walking from catch basin to the next and back to the parked vehicle. May vary depending on the distance between each of the basins and if the worker decides to drive.</li> <li>▪ Ground is flat, smooth pavement.</li> </ul>   |
| Standing                    | 1-5 minute intervals         | 26% - 70%    | <ul style="list-style-type: none"> <li>▪ Static standing on flat pavement during inspection.</li> </ul>  |
| Sitting                     | 1-10 minute intervals        | 6% - 25%     | <ul style="list-style-type: none"> <li>▪ During operation of the vehicle (typically automatic).</li> </ul>   |
| Climbing                    | Curb height                  | 6% - 25%     | <ul style="list-style-type: none"> <li>▪ Climbing in/out of the vehicle (may vary depending on the worker).</li> <li>▪ Stepping up/down from street curb.</li> </ul>   |
| Driving                     | 1-10 minute intervals        | 6% - 25%     | <ul style="list-style-type: none"> <li>▪ Automatic vehicle.</li> </ul>   |
| Reaching (shoulder height)  | Variable                     | 26% - 70%    | <ul style="list-style-type: none"> <li>▪ 0-75 degrees of shoulder flexion to manipulate aluminum pole</li> </ul>   |
| Stooping                    | Mild<br>(0–30 degrees)       | 6% - 25%     | <ul style="list-style-type: none"> <li>▪ May vary depending on the workers' work style, not needed to complete the task.</li> </ul>  |
| Kneeling/crouching          |                              | 0% - 5%      | <ul style="list-style-type: none"> <li>▪ Worker may need to pick up equipment from ground</li> </ul>   |
| Handling/gripping           | Variable                     | 26% - 70%    | <ul style="list-style-type: none"> <li>▪ 1-2 handed grasp of the steering wheel, 1–10 minute intervals.</li> <li>▪ 1-2 handed grip of the 10–12 foot aluminum pole (requires grasp and release).</li> <li>▪ 1 handed grasp of the pen/marker (5–10 second intervals).</li> <li>▪ 1 handed key pinch when inserting/taking out the vehicle key into/from the ignition.</li> </ul> |
| MATERIALS HANDLING:         | AMOUNT:                      | % OF WORKDAY | DESCRIPTION/COMMENTS   |
| Lifting (floor to waist)    | Less than 2 kg               | 26% - 70%    | <ul style="list-style-type: none"> <li>▪ Tools handled: Aluminum pole (less than 2 kg), clipboard and paper, pen/marker.</li> </ul>  |
| Lifting (waist to shoulder) | Less than 2 kg               | 26% - 70%    | As above.  |
| Carrying                    | Less than 2 kg,<br>5 m-150 m | 26% - 70%    |  |
| Pushing                     |                              | 26% - 70%    | <ul style="list-style-type: none"> <li>▪ Pushing the aluminum pole into debris (sand, leaves, loose garbage).</li> </ul>   |
| Pulling                     |                              | 26% - 70%    | <ul style="list-style-type: none"> <li>▪ Pulling aluminum pole out of catch basin.</li> </ul>  |