If you have questions or concerns regarding the Equipment Differential Guide or criteria, contact John Hoffman, Classification and Compensation Analyst at 720.913.5296 or john.hoffman@denvergov.org.
Equipment Differential
(Per Career Service Rule 9-52 Equipment Differential)

Equipment Differential shall be paid under the following conditions:

- The equipment being operated is on the Career Service Board’s approved equipment list for payment of equipment differential.
- The employee is temporarily assigned to operate equipment, which is at a higher-level classification than the employee’s current classification.
- Assignments in higher-level classifications should not exceed thirty (30) days. If the assignment does last longer than thirty (30) days, the position should be reallocated into the higher-level classification through the individual position audit process. If all authorized limited positions, for a term of nine (9) months or less, are filled the thirty-(30) day limit is waived.
- Employees in on-call positions and in classifications listed in the “community rate” pay schedule shall be entitled to equipment differential.

The pay shall be ten percent (10%) of the current hourly rate of pay for each hour worked in the next higher-level classification. The pay shall be fifteen percent (15%) of the current hourly rate of pay for each hour worked in the second higher-level classification and above.

The total base pay for any pay period, excluding overtime and shift differential, shall not exceed the range maximum of the higher-level class.

Guiding Principles Regarding Equipment Differential

It is the supervisor’s responsibility to make work assignments, including the assignment of employees to operate equipment eligible for equipment differential. An employee will only receive equipment differential for the time spent operating a piece of equipment eligible for the differential. When the equipment is idle and not in operation, the equipment differential should not be paid. For example, if an employee is in possession of a particular piece of equipment for an entire workday, but only operates that particular piece of equipment for two (2) hours during the workday, then it is the supervisor’s responsibility to make sure the employee only receives differential for the time spent actually operating the equipment, which in this example is two (2) hours.

Seasonal work, such as snow removal, will not be considered permanently assigned duties and responsibilities for the purposes of Classification Audits, but the hours earned can be used for qualification regarding promotional opportunities.

The Park Seasonal Laborer, the Utility Worker I, and the Utility Worker II classifications are all expected to operate the same types and levels of equipment; therefore, these classifications are eligible to receive their first level of differential at the Equipment Operator I level, which is ten percent (10%), and their second level of differential at the Equipment Operator II level and above, which is fifteen percent (15%).

Reallocation Policies & Procedures

When a department or agency submits an Individual Position Audit Request form in order to reallocate an incumbent into a higher-level classification, the incumbent must meet the minimum qualifications of the higher-level classification and pass assessment performance testing requirements.
Class Specification Requirements

Listed below are the current class specification requirements used by the City and County of Denver. The information below includes: position title; occupational category; the type and level of equipment used in a classification; the level of experience, education and training required; and, the licensing requirements of the classification.

1. **Park Seasonal Laborer (Community Rate)**
   Provides routine seasonal labor and maintenance of parks and golf courses; maybe required to operate light weight motorized equipment, routine landscaping and mowing, uses hand and power tools, etc.
   - Light weight equipment (single-axle)
   - No experience or educational requirements
   - Some positions require a Class R Driver’s license

2. **Utility Worker I (Labor)**
   Performs standard, unskilled laboring work throughout the city, such as trash collection and disposal, hauling, lawn attendance, snow removal, minor repairs and assisting trades workers. Operates light weight motorized equipment, hydraulic equipment, hoists, hand and power tools, etc.
   - Light weight equipment (single-axle)
   - No experience or educational requirements
   - Some positions require a Class R Driver’s license

3. **Utility Worker II (Labor)**
   Performs unskilled and semi-skilled work in maintaining public grounds, buildings and facilities, assists with traffic control, construction and repair activities, and maintaining city streets and roadways. Operates light weight motorized equipment, hydraulic equipment, hoists, hand and power tools, snow removal, etc.
   - Light weight equipment (single-axle)
   - No educational experience required
   - One year of unskilled labor experience
   - Some positions may require a Class B Commercial Driver’s License

4. **Equipment Operator I (Labor)**
   Operates light to medium sized equipment in the performance of a variety of construction and maintenance activities.
   - Medium weight equipment (double-axle)
   - Graduation from high school
   - Three years of unskilled labor experience, one of which must be operating light to medium size equipment
   - Possession of a Class B Commercial Driver’s License with appropriate endorsements

5. **Equipment Operator II (Labor)**
   Operates specialized equipment in a variety of construction and maintenance activities.
   - Medium weight equipment (double-axle)
   - Graduation from high school
   - Three years of unskilled labor experience, two of which must be operating light to medium size equipment
   - Possession of a Class B Commercial Driver’s License with appropriate endorsements
   - Some positions may require a Class A Commercial Driver’s License with appropriate endorsements

6. **Equipment Operator III (Labor)**
   Operates heavy construction and earthmoving equipment such as graters, dozers, front end loaders, and semi-tractor trailer equipment, etc.
   - Heavy weight equipment (no axle specification)
   - Graduation from high school
   - Three years of experience operating medium size and specialized equipment, two of which must be operating large/heavy equipment
   - Possession of a Class B Commercial Driver’s License with appropriate endorsements
   - Some positions may require a Class A Commercial Driver’s License with appropriate endorsements

7. **Equipment Operator IV (Labor)**
   Operates equipment such as cranes, backhoes, gradalls, roto-mills and related equipment.
   - Heavy weight equipment (no axle specification)
   - Graduation from high school
   - Four years of experience operating medium size and specialized equipment, one of which must be operating specialized equipment
   - Possession of a Class B Commercial Driver’s License with appropriate endorsements and air brake endorsement
   - Some positions may require a Class A Commercial Driver’s License with appropriate endorsements
Common Tools Used by General Laborers

General laborers perform unskilled or semi-skilled tasks, which include: maintaining public grounds to include buildings and facilities, traffic control, construction and repair activities, maintaining city streets and roadways, trash collection and disposal, hauling materials, lawn attendance, snow removal, and may assist trades workers.

The common tools used by general laborers include: light weight equipment powered by small engines used for maintenance, clean-up, and minor construction projects. The tools mentioned below, and similar tools are not considered specialized in nature and can be used by all personnel performing general labor and tasks as stated above, but not limited therein.

- Air Compressors
- Sprayers
- Hand Power Mowers, Snow Blowers, Sod Cutters and Rototillers
- Hand Operated Sweepers, Curbing Machines, and Paint Stripers
- Jack Hammers
- Towed Asphalt Spreaders
- Paint Line Removers
- Concrete Saws
- Automotive Repair Equipment
- Hand Tools such as Rakes, Shovels, Hammers, and Drills
- Power Washers
- Cement Mixers

Types of Commercial Driver’s Licenses

These classes are based on the manufacturer's Gross Vehicle Weight Rating (GVWR), which is based on the vehicle’s tire/axle construction and maximum weight capacities. If the vehicle’s GVWR door sticker is missing, refer to the Commercial Driver’s License Examiner’s Manual for the formula to calculate a vehicle’s maximum weight capacity.

1. **Class A Commercial Driver’s License for Combination Vehicles** – Any combination of vehicles with a Gross Combined Weight Rating (GCWR) of 26,001 or more pounds provided the GVWR of the vehicle(s) being towed is in excess of 10,000 pounds. Most Class A vehicles are trucks such as a semi-tractor trailer or truck and trailer combinations.

2. **Class B Commercial Driver’s License for Heavy Straight Vehicles** – Any single vehicle with a GVWR of 26,001 or more pounds, or any such vehicle towing a vehicle not more than 10,000 pounds GVWR. Class B vehicles includes straight trucks.

3. **Class C Commercial Driver’s License for Small Vehicles** – Any single vehicle, or combination of vehicles, that does not meet the definition of a Class A or Class B license, but is designed to transport 16 or more passengers including the driver, OR is used in the transportation of materials found to be hazardous for the purposes of the Hazardous Materials Transportation Act requiring a vehicle to be placarded under the Hazardous Materials Regulations 49 CFR part 172, Subpart F.

4. **Class R Driver’s License** – Any individual/personal passenger vehicle.

CDL Endorsements & Restrictions:

- T - Double and Triple Trailers
- N - Tanker Vehicle with a capacity of 1000 gals or more.
- P - Passengers
- S - School Bus
- H - Hazardous Materials
- X - Combination Hazardous Materials and Tank Vehicle
- L - Air Brakes Restriction
- K - Intrastate Only
- N/T/T - No Tractor Trailer

Exempt vehicles include: firefighting equipment, farm vehicles, military vehicles, and recreational vehicles.
Equipment Operator Descriptions

1. **Seasonal and Utility Worker Equipment** – Equipment used by Park Seasonal Laborers, Utility Worker Is and Utility Worker IIs, which weighs less than 26,001 lbs. For positions that require a Class R Driver’s License, the operator may tow a vehicle or equipment not to exceed 10,000 lbs.

   Examples of equipment include: mowers not considered tractors, light equipment such as pickup, flat-bed and box trucks, vans and other light equipment such as a trencher, etc.

2. **Equipment Operator I** – Equipment weighing 26,001 lbs. or more. Requires a Class B Commercial Driver’s License with proper endorsement(s). This class may include equipment that weighs less than 26,001 lbs. requiring a Class C Commercial Driver’s License (vehicles requiring a placard for hazardous materials not meeting the CDL B requirements). The vehicles in this class have complex hydraulic systems and attachments designed to perform specialized tasks in combination with the vehicle’s operation and include vehicles with special endorsement requirements.

   Examples of equipment include: aerial extensions under 35 feet, rear-end trash loaders, tandem axle and single-axle dump trucks, light sweepers, tractors and tractor mowers.

3. **Equipment Operator II** – Equipment weighing 26,001 lbs. or more. Requires a Class B Commercial Driver’s License with proper endorsement(s). This class includes equipment that may weigh less than 26,001 lbs., which requires a Class C Commercial Driver’s License (vehicles requiring a placard for hazardous materials not meeting the CDL B requirements). The vehicles in this class have complex hydraulic systems and attachments designed to perform specialized tasks in combination with the vehicle’s operation and include vehicles with special endorsement requirements. The equipment in this class is similar to the equipment in the Equipment Operator I class but is more complex in nature with added attachments and requires additional knowledge, skill, and ability to operate.

   Examples of equipment include: aerial extensions over 36 feet, side-loaders, tandem axle and single-axle dump trucks with snow plows and sanders, sewer line jets and rodders, patch trucks, large street sweepers and paint strippers.

4. **Equipment Operator III** – Equipment requiring a Class A or Class B Commercial Driver’s License such as a semi-tractor trailer or truck and trailer combination, towing a vehicle or equipment in excess of 10,000 lbs. This category also contains equipment that is considered large, heavy, and off-road equipment used in construction and earthmoving. This class includes equipment that may weigh less than 26,001 lbs., which requires a Class C Commercial Driver’s License (vehicles requiring a placard for hazardous materials not meeting the CDL B requirements).

   Examples of equipment include: semi-tractor trailers, front-end loaders, motor graders, bulldozers, skid steers, cranes under a 40-ton capacity, asphalt paving equipment and tarmac snow removal equipment.

5. **Equipment Operator IV** – Extraordinarily large or specialized equipment used in construction and earthmoving.

   Examples of equipment include: power shovels, clamshell loggers, gradalls, backhoes (6’ and greater depth), derrick diggers, asphalt pavers, asphalt profile machines, roto-mills, and cranes with over a 40-ton capacity, and other equipment equal in size, rarity and complexity.

Disclaimer:

Equipment may not be fully described in the above criteria; therefore, refer to the equipment photos to identify like types, models, and nature of equipment to find a comparable when classifying equipment not pictured. When the rules, guidelines, and criteria are in question it is incumbent upon the employee to contact The Office of Human Resources for clarification. New equipment must be brought to the attention of the Office of Human Resources for proper placement within the Equipment Differential Guide.
Seasonal and Utility Worker Equipment
This section contains equipment used by the Park Seasonal Laborer, the Utility Worker I, and the Utility Worker II.

The Park Seasonal Laborer is in the Community Rate occupational group (seasonal on-call employees), and the Utility Worker I and the Utility Worker II are in the Maintenance & Operations occupational group. The seasonal and utility worker classes are all expected to be familiar with and operate the equipment at this entry-level of equipment operation.

Examples of equipment in these classes include: mowers not considered tractors, light equipment such as pickup, flat-bed and box trucks, vans and other light equipment such as a trencher.

Turf Sweeper...................................................................................................................................................................... 8
Turf Sweeper – 60” ............................................................................................................................................................ 8
Utility Cart ............................................................................................................................................................................. 8
Spray Cart............................................................................................................................................................................. 9
Turf Mower........................................................................................................................................................................... 9
Turf Mower........................................................................................................................................................................... 9
Sidewinder Rotary Mower .............................................................................................................................................. 10
Fairway Mower................................................................................................................................................................ 10
Greens Mower.................................................................................................................................................................... 10
Rough Mower .................................................................................................................................................................... 11
Light-Duty Utility Truck.................................................................................................................................................... 11
Light-Duty Utility Truck.................................................................................................................................................... 11
Light-Duty Utility Truck.................................................................................................................................................... 12
Stake-Bed Truck ............................................................................................................................................................... 12
Crew Cab Box Truck ......................................................................................................................................................... 12
Box Truck.......................................................................................................................................................................... 13
Dump Truck – Small.......................................................................................................................................................... 13
Scissor Lift ....................................................................................................................................................................... 14
Light-Duty Trencher .......................................................................................................................................................... 14
Stump Grinder................................................................................................................................................................. 15
Brush Chipper ................................................................................................................................................................. 15
Turf Sweeper

- **Department/Agency:** Parks & Recreation – Golf
- **Vehicle Description:** Turf Sweeper
- **Attachments:** N/A
- **Manufacturer:** Jacobson (Model: 720EHL)
- **GVWR:** N/A
- **Used For:** Golf Course Debris Removal
- **Qualifications:** No License Requirement
- **Differential:** No Differential

Turf Sweeper – 60”

- **Department/Agency:** Parks & Recreation – Golf
- **Vehicle Description:** Litter Lift Sweeper – 60”
- **Attachments:** Hopper – 3 yd.
- **Manufacturer:** Smithco
- **GVWR:** N/A
- **Used For:** Turf Sweeping
- **Qualifications:** No License Requirement
- **Differential:** No Differential

Utility Cart

- **Department/Agency:** Parks & Recreation – Golf
- **Vehicle Description:** Utility Cart
- **Attachments:** Sand Spreader
- **Manufacturer:** Toro (Model: Truckster)
- **GVWR:** N/A
- **Used For:** Golf Course Maintenance
- **Qualifications:** No License Requirement
- **Differential:** No Differential
Spray Cart

Department/Agency: Parks & Recreation – Golf
Vehicle Description: Spray Cart
Attachments: Chemical Tank
Manufacturer: Smithco Turf Truckster
GVWR: N/A
Used For: Golf Course Maintenance
Qualifications: No License Requirement
Differential: No Differential

Turf Mower

Department/Agency: Parks & Recreation – Golf
Vehicle Description: Mower
Attachments: Broom and Edger
Manufacturer: Dixie Chopper
GVWR: N/A
Used For: Turf Maintenance
Qualifications: No License Requirement
Differential: No Differential

Turf Mower

Department/Agency: Parks & Recreation – Golf
Vehicle Description: Mower
Attachments: Mowing Deck
Manufacturer: Howard Price
GVWR: N/A
Used For: Golf Course Turf Maintenance
Qualifications: No License Requirement
Differential: No Differential
Sidewinder Rotary Mower

**Department/Agency:** Parks & Recreation – Golf  
**Vehicle Description:** Rotary Reel Mower – 72”  
**Attachments:** N/A  
**Manufacturer:** Toro, Jacobsen, and John Deere  
**GVWR:** N/A  
**Used For:** Golf Course Maintenance  
**Qualifications:** No License Requirement  
**Differential:** No Differential

---

Fairway Mower

**Department/Agency:** Parks & Recreation – Golf  
**Vehicle Description:** Fairway Mower  
**Attachments:** N/A  
**Manufacturer:** Toro, Jacobsen, and John Deere  
**GVWR:** N/A  
**Used For:** Golf Course Maintenance  
**Qualifications:** No License Requirement  
**Differential:** No Differential

---

Greens Mower

**Department/Agency:** Parks & Recreation – Golf  
**Vehicle Description:** Greens Riding Mower – 60”  
**Attachments:** None  
**Manufacturer:** Jacobsen  
**GVWR:** N/A  
**Used For:** Golf Course Maintenance  
**Qualifications:** No License Requirement  
**Differential:** No Differential

---
Rough Mower

**Department/Agency:** Parks & Recreation – Golf

**Vehicle Description:** Rough Rotary Riding Mower – 60”

**Attachments:** N/A

**Manufacturer:** Kubota (Model: F3060)

**GVWR:** N/A

**Used For:** Golf Course Maintenance

**Qualifications:** No License Requirement

**Differential:** No Differential

Light-Duty Utility Truck

**Department/Agency:** Public Works - Street Maintenance

**Vehicle Description:** Light-Duty Utility Truck

**Attachments:** N/A

**Manufacturer:** Ford (Model: F250)

**GVWR:** 6,540 lbs.

**Used For:** General Utility Work

**Qualifications:** Class R Driver’s License

**Differential:** No Differential

Light-Duty Utility Truck

**Department/Agency:** Public Works - Street Maintenance

**Vehicle Description:** Light-Duty Utility Truck

**Attachments:** N/A

**Manufacturer:** Chevrolet

**GVWR:** 6,400 lbs.

**Used For:** General Utility Work

**Qualifications:** Class R Driver’s License

**Differential:** No Differential
Light-Duty Utility Truck

- **Department/Agency:** Public Works - Street Maintenance
- **Vehicle Description:** Light-Duty Utility Truck
- **Attachments:** N/A
- **Manufacturer:** Ford (Model: F350)
- **GVWR:** 8,870 lbs.
- **Used For:** General Utility Work
- **Qualifications:** Class R Driver’s License
- **Differential:** No Differential

Stake-Bed Truck

- **Department/Agency:** Public Works - Street Maintenance
- **Vehicle Description:** Stake-Bed Truck
- **Attachments:** N/A
- **Manufacturer:** Ford (Model: F450)
- **GVWR:** 8,400 lbs.
- **Used For:** Delivery Truck
- **Qualifications:** Class R Driver’s License
- **Differential:** No Differential

Crew Cab Box Truck

- **Department/Agency:** Public Works – Solid Waste
- **Vehicle Description:** Crew Cab Box Truck
- **Attachments:** N/A
- **Manufacturer:** Chevrolet
- **GVWR:** 8,004 lbs.
- **Used For:** Hauling Power Washer and Soda Bead Plaster for Graffiti Removal
- **Qualifications:** Class R Driver’s License
- **Differential:** No Differential
Box Truck

Department/Agency: Public Works – Solid Waste
Vehicle Description: Box Truck
Attachments: N/A
Manufacturer: Ford
GVWR: 6,803 lbs.
Used For: Hauling Power Washer, Soda Bead Plaster, and Paint Sprayer for Graffiti Removal
Qualifications: Class R Driver’s License
Differential: No Differential

Dump Truck – Small

Department/Agency: Public Works - Street Maintenance
Vehicle Description: Small Dump Truck – 3 yd.
Attachments: N/A
Manufacturer: Ford
GVWR: 5,000 lbs.
Used For: Construction and Maintenance
Qualifications: Class R Driver’s License
Differential: No Differential
Scissor Lift

- **Department/Agency:** Arts & Venues
- **Vehicle Description:** Electrical Aerial Extension – 25’
- **Attachments:** N/A
- **Manufacturer:** MEC Aerial Work Platforms
- **GVWR:** N/A
- **Used For:** Reaching Great Heights
- **Qualifications:** No License Requirement (Operation may require special training – see manufactures specifications.)
- **Differential:** No Differential

Light-Duty Trencher

- **Department/Agency:** Public Works - Street Maintenance
- **Vehicle Description:** Light-Duty Trencher
- **Attachments:** N/A
- **Manufacturer:** Case
- **GVWR:** N/A
- **Used For:** Trenching Ditches
- **Qualifications:** No License Requirement
- **Differential:** No Differential
Stump Grinder

Department/Agency: Parks & Recreation – Forestry

Vehicle Description: Stump Grinder and Cutter

Attachments: N/A

Manufacturer: Vermer (Models: 502 and SC802), and Rayco (Model: RG120DXH)

GVWR: N/A

Used For: Tree Stump Removal

Qualifications: N/A

Differential: No Differential

Brush Chipper

Department/Agency: Parks & Recreation – Forestry

Vehicle Description: Brush Chipper

Attachments: Manual Positioned Chip Chute

Manufacturer: Morbark (Model: Tornado)

GVWR: N/A

Used For: Chipping Wood and Brush Debris

Qualifications: N/A

Differential: No Differential
**Equipment Operator I**

This section contains a list of equipment used by the Equipment Operator I.

The Equipment Operator I is in the Maintenance & Operations occupational group and operates light to medium sized equipment in the performance of a variety of construction and maintenance activities. The vehicles and equipment used in this category has complex hydraulic systems or attachments designed to perform specialized tasks in combination with the vehicle and equipment’s operation.

*Examples of equipment include: aerial extensions under 35 feet, rear end loaders, tandem axle and single axle dump trucks, light sweepers, tractors and tractor mowers.*

<table>
<thead>
<tr>
<th>Equipment Type</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Forklift - Small</td>
<td>17</td>
</tr>
<tr>
<td>Articulating Tractor - Small</td>
<td>17</td>
</tr>
<tr>
<td>Parking Lot Sweeper</td>
<td>17</td>
</tr>
<tr>
<td>Pesticide Application Truck</td>
<td>18</td>
</tr>
<tr>
<td>Medium Utility Truck – Cone Placer</td>
<td>18</td>
</tr>
<tr>
<td>Medium Utility Truck</td>
<td>19</td>
</tr>
<tr>
<td>Medium Utility Truck – Cement Mixer</td>
<td>19</td>
</tr>
<tr>
<td>Medium Utility Truck – Welder</td>
<td>20</td>
</tr>
<tr>
<td>Aerial Bucket Van</td>
<td>20</td>
</tr>
<tr>
<td>Medium Utility Truck – Aerial Bucket</td>
<td>21</td>
</tr>
<tr>
<td>Fields Mower</td>
<td>21</td>
</tr>
<tr>
<td>Tree Spade</td>
<td>22</td>
</tr>
<tr>
<td>Tractor – Small</td>
<td>22</td>
</tr>
<tr>
<td>Agricultural Tractor – Large</td>
<td>23</td>
</tr>
<tr>
<td>Medium Box Truck</td>
<td>23</td>
</tr>
<tr>
<td>Medium Box Truck – Dump Bed</td>
<td>24</td>
</tr>
<tr>
<td>Medium Utility Truck - Brick Hauler</td>
<td>24</td>
</tr>
<tr>
<td>Large Box Truck – Freon Collection</td>
<td>25</td>
</tr>
<tr>
<td>Water Truck</td>
<td>25</td>
</tr>
<tr>
<td>Water Truck</td>
<td>26</td>
</tr>
<tr>
<td>Trash Truck – Rear Loader</td>
<td>26</td>
</tr>
<tr>
<td>Trash Truck – Rear Loader</td>
<td>27</td>
</tr>
<tr>
<td>Dump Truck – Medium</td>
<td>27</td>
</tr>
<tr>
<td>Dump Truck – Large</td>
<td>28</td>
</tr>
<tr>
<td>Dump Truck – Roll-Off Bed</td>
<td>28</td>
</tr>
</tbody>
</table>
### Forklift - Small

**Department/Agency:** Parks & Recreation  
**Vehicle Description:** Forklift  
**Attachments:** N/A  
**Manufacturer:** Komatsu  
**GVWR:** 9,050 lbs.  
**Used For:** Warehouse Loading and Unloading  
**Qualifications:** Forklift Certification  
**Differential:** EO-I

### Articulating Tractor - Small

**Department/Agency:** Denver International Airport  
**Vehicle Description:** Small Articulating Tractor  
**Attachments:** Snow Blower, Plow, Broom, and Mower Deck  
**Manufacturer:** Trackless  
**GVWR:** N/A  
**Used For:** Snow Removal, Mowing, and Sweeping Debris  
**Qualifications:** No License Requirement  
**Differential:** EO-I

### Parking Lot Sweeper

**Department/Agency:** Parks & Recreation  
**Vehicle Description:** Sweeper Truck  
**Attachments:** N/A  
**Manufacturer:** Ford and Tymco  
**GVWR:** 10,000 lbs.  
**Used For:** Trail and Parking Lot Sweeping  
**Qualifications:** Class R Driver’s License  
**Differential:** EO-I
Pesticide Application Truck

Department/Agency: Parks & Recreation – Forestry
Vehicle Description: Single Axle Truck with Dual 380 gl. Tanks
Attachments: High Pressure Hose System
Manufacturer: Ford (Model: F550)
GVWR: 19,000 lbs.
Used For: Spraying Pesticides on Organic Materials
Qualifications: Class R Driver’s License
Differential: EO-I

Medium Utility Truck – Cone Placer

Department/Agency: Public Works – Street Maintenance
Vehicle Description: Medium Utility Truck with Cone Placer
Attachments: Hydraulic Dump Bed and Two Arrow Panel Trailers
Manufacturer: Ford (Model: F-450 Super-Duty)
GVWR: 15,000 lbs.
Used For: Temporary Traffic Control
Qualifications: Class R Driver’s License
Differential: EO-I
Medium Utility Truck

**Department/Agency:** Public Works – Street Maintenance  
**Vehicle Description:** Medium Utility Truck  
**Attachments:** Hydraulic Pump  
**Manufacturer:** Chevrolet (Model: 3500 Heavy-Duty)  
**GVWR:** 14,370 lbs.  
**Used For:** General Utility Work  
**Qualifications:** Class R Driver’s License  
**Differential:** EO-I

Medium Utility Truck

**Department/Agency:** Public Works – Street Maintenance  
**Vehicle Description:** Medium Utility Truck  
**Attachments:** Compressor and Hydraulic Pump  
**Manufacturer:** Chevrolet  
**GVWR:** 16,030 lbs.  
**Used For:** General Utility Work  
**Qualifications:** Class R Driver’s License  
**Differential:** EO-I
Medium Utility Truck – Cement Mixer

**Department/Agency:** Public Works – Street Maintenance  
**Vehicle Description:** Medium Utility Truck with Cement Mixer  
**Attachments:** Cement Mixer  
**Manufacturer:** International  
**GVWR:** 25,100 lbs.  
**Used For:** Concrete Work and Street Maintenance  
**Qualifications:** Class R Driver’s License  
**Differential:** EO-I

Medium Utility Truck – Welder

**Department/Agency:** Public Works – Street Maintenance  
**Vehicle Description:** Medium Utility Truck with Welder  
**Attachments:** Generator, Compressor, hoist, and Arc and Gas Welder  
**Manufacturer:** Ford (Model: F550)  
**GVWR:** 16,550 lbs.  
**Used For:** Welding Maintenance and Repair  
**Qualifications:** Class R Driver’s License  
**Differential:** EO-I

Aerial Bucket Van

**Department/Agency:** Public Works – Street Maintenance  
**Vehicle Description:** Light Aerial Bucket Van  
**Attachments:** Aerial Bucket  
**Manufacturer:** Chevrolet  
**GVWR:** 9,650 lbs.
**Used For:** Street Maintenance Repairs and Installation

**Qualifications:** Class R Driver’s License
**Differential:** EO-I

---

**Medium Utility Truck – Aerial Bucket**

- **Department/Agency:** Public Works – Street Maintenance
- **Vehicle Description:** Aerial Bucket and Utility Truck
- **Attachments:** Aerial Bucket
- **Manufacturer:** Ford
- **GVWR:** 14,800 lbs.
- **Used For:** Traffic Signal Repair and Installation
- **Qualifications:** Class R Driver’s License
- **Differential:** EO-I

---

**Fields Mower**

- **Department/Agency:** Parks & Recreation
- **Vehicle Description:** Large Fields Mower
- **Attachments:** Mowing Deck and Mulching Kit
- **Manufacturer:** Toro
- **GVWR:** 6,540 lbs.
- **Used For:** Seasonal Mowing and Leaf Mulching
- **Qualifications:** No License Requirement
- **Differential:** EO-I
Tree Spade

**Department/Agency:** Parks & Recreation – Forestry  
**Vehicle Description:** Tree Spade  
**Attachments:** Hydraulic Controls and Spades  
**Manufacturer:** Vermer (Model: TS 44-A)  
**GVWR:** N/A  
**Used For:** Transplanting Trees  
**Qualifications:** N/A  
**Differential:** EO-I

Tractor – Small

**Department/Agency:** Parks & Recreation – Golf  
**Vehicle Description:** Tractor  
**Attachments:** Aerator, Seeder, Turf Dresser, Front End Loader, Fertilizer, Spreader, Tiller, and Back Drag  
**Manufacturer:** John Deere  
**GVWR:** 5,850 lbs.  
**Used For:** Golf Course Maintenance  
**Qualifications:** No License Requirement  
**Differential:** EO-I
Agricultural Tractor – Large

**Department/Agency:** Denver International Airport

**Vehicle Description:** Agricultural Tractor

**Attachments:** Till, Seeder, Mower, Loader, and Plow

**Manufacturer:** Case

**GVWR:** N/A

**Used For:** Snow Removal, Earth Moving, and Mowing

**Qualifications:** No License Requirement

**Differential:** EO-I

---

Medium Box Truck

**Department/Agency:** Public Works – Street Maintenance

**Vehicle Description:** Medium Box Truck

**Attachments:** Compressor, Concrete Saw, and Loop Pump

**Manufacturer:** International

**GVWR:** 19,170 lbs.

**Used For:** General Street Maintenance and Utility Work

**Qualifications:** Class R Driver’s License

**Differential:** EO-I
Medium Box Truck – Dump Bed

Department/Agency: Parks & Recreation – Forestry
Vehicle Description: Single Axle Truck with Dump Box
Attachments: N/A
Manufacturer: GM (Model: C7500)
GVWR: 25,590 lbs.
Used For: Hauling Wood Chips and Debris – Used in Tandem with Brush Chipper
Qualifications: Class B Commercial Driver’s License with Air Brake Endorsement
Differential: EO-I

Medium Utility Truck - Brick Hauler

Department/Agency: Public Works – Street Maintenance
Vehicle Description: Brick Hauling Truck
Attachments: Hoist
Manufacturer: Ford
GVWR: 33,000 lbs.
Used For: Construction and Hauling
Qualifications: Class B Commercial Driver’s License with Air Brake Endorsement
Differential: EO-I
Large Box Truck – Freon Collection

**Department/Agency:** Public Works – Solid Waste  
**Vehicle Description:** Freon Collection Box Truck  
**Attachments:** N/A  
**Manufacturer:** United Diesel  
**GVWR:** 17,995 lbs.  
**Used For:** Freon Trash Collection  
**Qualifications:** Class C Commercial Driver’s License with Hazardous Materials Placard Endorsement  
**Differential:** EO-I

Water Truck

**Department/Agency:** Parks & Recreation – Forestry  
**Vehicle Description:** Single Axle Water Truck with 4,000 gl. Tank  
**Attachments:** N/A  
**Manufacturer:** Freightliner  
**GVWR:** 35,000 lbs.  
**Used For:** Watering Various Organic Materials  
**Qualifications:** Class B Commercial Driver’s License with Air Brake and Tanker Endorsements  
**Differential:** EO-I
Water Truck

**Department/Agency:** Public Works – Street Maintenance  
**Vehicle Description:** Water Truck with 5,000 gl. Tank  
**Attachments:** N/A  
**Manufacturer:** Freightliner  
**GVWR:** 35,000 lbs.  
**Used For:** Road Dust Control  
**Qualifications:** Class B Commercial Driver’s License with Air Brake and Tanker Endorsements  
**Differential:** EO-I

Trash Truck – Rear Loader

**Department/Agency:** Public Works – Solid Waste  
**Vehicle Description:** Rear Loader Trash Truck  
**Attachments:** Hydraulic Compactor  
**Manufacturer:** Mack  
**GVWR:** 33,000 lbs.  
**Used For:** Residential Trash Removal  
**Qualifications:** Class B Commercial Driver’s License with Air Brake Endorsement  
**Differential:** EO-I
Trash Truck – Rear Loader

**Department/Agency:** Public Works – Solid Waste

**Vehicle Description:** Rear Loader Trash Truck – 25 yd. Capacity

**Attachments:** Hydraulic Compactor

**Manufacturer:** Mack

**GVWR:** 66,000 lbs.

**Used For:** Residential Trash Removal

**Qualifications:** Class B Commercial Driver’s License with Air Brake Endorsement

**Differential:** EO-I

Dump Truck – Medium

**Department/Agency:** Public Works – Street Maintenance

**Vehicle Description:** Medium Dump Truck

**Attachments:** N/A

**Manufacturer:** International

**GVWR:** 14,180 lbs.

**Used For:** Dumping and Hauling

**Qualifications:** Class R Driver’s License

**Differential:** EO-I
Dump Truck – Large

**Department/Agency:** Public Works – Street Maintenance

**Vehicle Description:** Tandem-Axle Dump Truck

**Attachments:** N/A

**Manufacturer:** International

**GVWR:** 58,000 lbs.

**Used For:** Hauling Material

**Qualifications:** Class B Commercial Driver’s License with Air Brake Endorsement

**Differential:** EO-I

Dump Truck – Roll-Off Bed

**Department/Agency:** Public Works – Street Maintenance

**Vehicle Description:** Tandem-Axle Truck with Roll-Off Bed

**Attachments:** N/A

**Manufacturer:** International

**GVWR:** 58,000 lbs.

**Used For:** Hauling Material

**Qualifications:** Class B Commercial Driver’s License with Air Brake Endorsement

**Differential:** EO-I
Equipment Operator II
This section contains a list of equipment used by the Equipment Operator II.

The Equipment Operator II is in the Maintenance & Operations occupational group and performs full performance level work operating specialized equipment in a variety of construction and maintenance activities. The vehicles and equipment used in this classification is similar to the equipment in the Equipment Operator I classification but is more complex in nature with added attachments requiring additional knowledge, skill and ability to operate.

Examples of equipment include: aerial extensions over 36 feet, side loaders, tandem axle and single axle dump trucks with snow plows and/or sanders, sewer line jets and rodders, patch trucks, large street sweepers and paint stripers.

<table>
<thead>
<tr>
<th>Equipment</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alley Sweeper</td>
<td>30</td>
</tr>
<tr>
<td>Street Sweeper – Medium</td>
<td>30</td>
</tr>
<tr>
<td>Street Sweeper – Large</td>
<td>31</td>
</tr>
<tr>
<td>Trash Truck – Side Loader</td>
<td>31</td>
</tr>
<tr>
<td>Recycle Collection Truck – Side Loader</td>
<td>32</td>
</tr>
<tr>
<td>Dumpster Trash Truck – Side Loader</td>
<td>32</td>
</tr>
<tr>
<td>Dumpster Repair Truck</td>
<td>33</td>
</tr>
<tr>
<td>Freon Disposal Truck</td>
<td>33</td>
</tr>
<tr>
<td>Sewer Line Jet Truck</td>
<td>34</td>
</tr>
<tr>
<td>Sewer Line Rodder Truck</td>
<td>34</td>
</tr>
<tr>
<td>Sewer Line Jet &amp; Vacuum Truck</td>
<td>35</td>
</tr>
<tr>
<td>Road Patch Truck</td>
<td>35</td>
</tr>
<tr>
<td>Road Tack Distributor Truck</td>
<td>36</td>
</tr>
<tr>
<td>Road Hot Patch Truck</td>
<td>36</td>
</tr>
<tr>
<td>Vehicle Forklift – Large</td>
<td>37</td>
</tr>
<tr>
<td>Telescopic Forklift – Large</td>
<td>37</td>
</tr>
<tr>
<td>Runway Paint &amp; Rubber Remover</td>
<td>38</td>
</tr>
<tr>
<td>Runway Paint &amp; Rubber Remover</td>
<td>38</td>
</tr>
<tr>
<td>Runway Water Blaster</td>
<td>39</td>
</tr>
<tr>
<td>Roadway Line Stripper – Small</td>
<td>39</td>
</tr>
<tr>
<td>Highway Paint Stripper – Medium</td>
<td>40</td>
</tr>
<tr>
<td>Highway Paint Stripper – Large</td>
<td>40</td>
</tr>
<tr>
<td>Plow Dump Truck – Medium</td>
<td>41</td>
</tr>
<tr>
<td>Plow Dump Truck – Large</td>
<td>41</td>
</tr>
<tr>
<td>Boom Lift – Medium</td>
<td>42</td>
</tr>
<tr>
<td>Boom Lift – Large</td>
<td>42</td>
</tr>
<tr>
<td>Tower Platform Truck</td>
<td>43</td>
</tr>
<tr>
<td>Aerial Bucket Truck – Large</td>
<td>43</td>
</tr>
<tr>
<td>Aerial Bucket Truck – Large</td>
<td>44</td>
</tr>
<tr>
<td>Aerial Bucket Truck – Large</td>
<td>44</td>
</tr>
</tbody>
</table>
Alley Sweeper

**Department/Agency:** Public Works – Street Maintenance

**Vehicle Description:** Alley Sweeper

**Attachments:** N/A

**Manufacturer:** Johnston

**GVWR:** 17,040 lbs.

**Used For:** Cleaning Alley Debris

**Qualifications:** Class R Driver’s License

**Differential:** EO-II

Street Sweeper – Medium

**Department/Agency:** Denver International Airport

**Vehicle Description:** Medium Street Sweeper

**Attachments:** N/A

**Manufacturer:** Elgin (Model: Pelican)

**GVWR:** N/A

**Used For:** Street and Lot Sweeping

**Qualifications:** Class R Driver’s License

**Differential:** EO-II
Street Sweeper – Large

Department/Agency: Denver International Airport
Vehicle Description: Large Street Sweeper
Attachments: N/A
Manufacturer: GMC (Model: Crosswind)
GVWR: 33,000 lbs.
Used For: Street Sweeping, and Cleaning Spills
Qualifications: Class B Commercial Driver’s License with Air Brake Endorsement
Differential: EO-II

Trash Truck – Side Loader

Department/Agency: Public Works – Solid Waste
Vehicle Description: Automated Side Loader Trash Truck – 32 yd. Capacity
Attachments: Hydraulic Compactor with Automated Loader
Manufacturer: Mack Truck and Curb Tender
GVWR: 64,000 lbs.
Used For: Residential Trash Removal
Qualifications: Class B Commercial Driver’s License with Air Brake Endorsement
Differential: EO-II
Recycle Collection Truck – Side Loader

Department/Agency: Public Works – Solid Waste
Vehicle Description: Recycle Collection Truck
Attachments: Hydraulic Compactor with Automated Loader
Manufacturer: Volvo
GVWR: 36,200 lbs.
Used For: Residential Recyclable Collection
Qualifications: Class B Commercial Driver’s License with Air Brake Endorsement
Differential: EO-II

Dumpster Trash Truck – Side Loader

Department/Agency: Public Works – Solid Waste
Vehicle Description: Automated Side Loading Dumpster Truck – 32 yd. Capacity
Attachments: Hydraulic Compactor with Automated Loader
Manufacturer: Mack and IMPAC
GVWR: 66,000 lbs.
Used For: Residential Trash Removal
Qualifications: Class B Commercial Driver’s License with Air Brake Endorsement
Differential: EO-II
Dumpster Repair Truck

Department/Agency: Public Works – Solid Waste
Vehicle Description: Dumpster Repair Truck
Attachments: Hydraulic Knuckle Boom
Manufacturer: White and IMT
GVWR: 16,000 lbs.
Used For: Dumpster Repair and Maintenance
Qualifications: Class R Driver’s License
Differential: EO-II

Freon Disposal Truck

Department/Agency: Public Works – Solid Waste
Vehicle Description: Freon Disposal Truck
Attachments: Hydraulic Boom Loader
Manufacturer: Isuzu
GVWR: 8,142 lbs.
Used For: Refrigerator and Freon Container Disposal
Qualifications: Class C Commercial Driver’s License with Hazardous Materials Placard Endorsement
Differential: EO-II
Sewer Line Jet Truck

Department/Agency: Public Works – Wastewater
Vehicle Description: Sewer Line Jet Truck
Attachments: High-Pressure Water Hoses
Manufacturer: Ford
GVWR: 11,000 lbs.
Used For: Sewer Line Maintenance and Cleaning
Qualifications: Class R Driver’s License
Differential: EO-II

Sewer Line Rodder Truck

Department/Agency: Public Works – Wastewater
Vehicle Description: Sewer Line Rodder Truck
Attachments: High-Pressure Water Hoses
Manufacturer: Ford
GVWR: 15,000 lbs.
Used For: Sewer Line Maintenance and Cleaning
Qualifications: Class B Commercial Driver’s License with Air Brake Endorsement
Differential: EO-II
Sewer Line Jet & Vacuum Truck

**Department/Agency:** Public Works – Wastewater  
**Vehicle Description:** Sewer Line Jet and Vacuum Truck  
**Attachments:** High-Pressure Water Hoses and Vacuum Suction Equipment  
**Manufacturer:** Ford  
**GVWR:** 41,000 lbs.  
**Used For:** Sewer Line Maintenance and Cleaning  
**Qualifications:** Class B Commercial Driver’s License with Air Brake Endorsement  
**Differential:** EO-II

Road Patch Truck

**Department/Agency:** Public Works – Street Maintenance  
**Vehicle Description:** Road Patch Truck  
**Attachments:** Boom and Ready-Mix Patch Sprayer  
**Manufacturer:** Road Patcher  
**GVWR:** 33,000 lbs.  
**Used For:** Patching Pot Holes  
**Qualifications:** Class B Commercial Driver’s License with Air Brake Endorsement  
**Differential:** EO-II
Road Tack Distributor Truck

**Department/Agency:** Public Works – Street Maintenance  
**Vehicle Description:** Tack Distributor Truck with 3,000 gl. Tank  
**Attachments:** Boom with Oil and Tar Sprayers  
**Manufacturer:** Etnyre  
**GVWR:** 36,220 lbs.  
**Used For:** Spraying Oil and Tar  
**Qualifications:** Class B Commercial Driver’s License with Air Brake and Tanker Endorsements  
**Differential:** EO-II

Road Hot Patch Truck

**Department/Agency:** Denver International Airport  
**Vehicle Description:** Hot Patch Truck  
**Attachments:** N/A  
**Manufacturer:** International  
**GVWR:** 33,000 lbs.  
**Used For:** Hauling Asphalt for Patches and Repairs  
**Qualifications:** Class B Commercial Driver’s License with Air Brake Endorsement  
**Differential:** EO-II
Vehicle Forklift – Large

- **Department/Agency:** Department of Safety - Vehicle Impound Facility
- **Vehicle Description:** Vehicle Forklift – 28,000 lbs. Capacity
- **Attachments:** Fork Extensions – 6’
- **Manufacturer:** Yale
- **GVWR:** 42,000 lbs.
- **Used For:** Stacking Vehicles on Storage Rack.
- **Qualifications:** Forklift Certification
- **Differential:** EO-II

Telescopic Forklift – Large

- **Department/Agency:** Denver International Airport
- **Vehicle Description:** Telescopic Forklift
- **Attachments:** N/A
- **Manufacturer:** Caterpillar
- **GVWR:** N/A
- **Used For:** Lifting Heavy Objects
- **Qualifications:** Forklift Certification
- **Differential:** EO-II
Runway Paint & Rubber Remover

**Department/Agency:** Denver International Airport

**Vehicle Description:** Single-Axle Truck with Blower Unit and Nozzles

**Attachments:** Adjustable and Directional Blower (200 mph Forced Air)

**Manufacturer:** Air Forced One

**GVWR:** 36,700 lbs.

**Used For:** Blows Foreign Objects and Debris from Runways and Taxiways

**Qualifications:** Class B Commercial Driver’s License with Air Brake and Tanker Endorsements

**Differential:** EO-II

---

Runway Paint & Rubber Remover

**Department/Agency:** Denver International Airport

**Vehicle Description:** Tandem-Axle Truck with Water Tank and Water Jet

**Attachments:** High-Pressure Water Jet (18” Nozzle with 45,000 psi), and 5,000 gl. Water Tank

**Manufacturer:** NLB Corporation (Model: Star Jet)

**GVWR:** 56,000 lbs.

**Used For:** Removing Paint and Rubber from Runways/Tarmacs

**Qualifications:** Class B Commercial Driver’s License with Air Brake and Tanker Endorsements

**Differential:** EO-II
Runway Water Blaster

**Department/Agency:** Denver International Airport

**Vehicle Description:** Tandem-Axle Runway Water Blaster

**Attachments:** Water Tank 4,300 gls., UHP Pump 40,000 psi, VAC 1,400 cfm, with Blasting Heads

**Manufacture:** Waterblasting Technologies (Model: Stripe Hog SH8000)

**GVWR:** 64,000 lbs.

**Used For:** Cleaning Pavement Markings, Rubber and Paint Removal, and Surface Preparation

**Qualifications:** Class B Commercial Driver’s License with Air Brake and Tanker Endorsements

**Differential:** EO-II

Roadway Line Striper – Small

**Department/Agency:** Public Works – Street Maintenance

**Vehicle Description:** Small Line Striper

**Attachments:** Booms, High-Pressure Paint Nozzles, with Hydraulic Controls

**Manufacturer:** Hino

**GVWR:** 23,370 lbs.

**Used For:** Roadway Paint Striping

**Qualifications:** Class R Driver’s License

**Differential:** EO-II
Highway Paint Striper – Medium

**Department/Agency:** Denver International Airport  
**Vehicle Description:** Highway Paint Striper  
**Attachments:** Booms, High-Pressure Paint Nozzles, with Hydraulic Controls  
**Manufacturer:** GMC (Model: T7500)  
**GVWR:** 33,000 lbs.  
**Used For:** Striping Roadways, Airfields, Runways, and Taxiways  
**Qualifications:** Class B Commercial Driver’s License with Air Brake Endorsement  
**Differential:** EO-II

---

Highway Paint Striper – Large

**Department/Agency:** Denver International Airport  
**Vehicle Description:** Tandem-Axle Highway Paint Striper  
**Attachments:** Booms, High-Pressure Paint Nozzles, with Hydraulic Controls  
**Manufacturer:** Sterling  
**GVWR:** 58,000 lbs.  
**Used For:** Striping Roadways, Airfields, Runways, and Taxiways  
**Qualifications:** Class B Commercial Driver’s License with Air Brake Endorsement  
**Differential:** EO-II
Plow Dump Truck – Medium

**Department/Agency:** Denver International Airport

**Vehicle Description:** Single-Axle Dump Truck with Plow

**Attachments:** Reverse-A-Cast Plow and Spreader

**Manufacturer:** Freightliner

**GVWR:** 32,000 lbs.

**Used For:** Plowing Snow and Sanding Streets

**Qualifications:** Class B Commercial Driver’s License with Air Brake Endorsement

**Differential:** EO-II

---

Plow Dump Truck – Large

**Department/Agency:** Denver International Airport

**Vehicle Description:** Tandem-Axle Dump Truck with Plow

**Attachments:** Reverse-A-Cast Plow with Spreader or Chemical Tank

**Manufacturer:** International

**GVWR:** 60,000 lbs.

**Used For:** Snow Plowing, Sanding, or Deicing Streets

**Qualifications:** Class B Commercial Driver’s License with Air Brake Endorsement

**Differential:** EO-II
Boom Lift – Medium

- **Department/Agency:** Arts & Venues
- **Vehicle Description:** Aerial Extension – 62’
- **Attachments:** Aerial Boom with Hydraulic Controls
- **Manufacturer:** Marklift
- **GVWR:** N/A
- **Used For:** Reaching Great Heights
- **Qualifications:** No License Requirement (Operation may require special training – see manufactures specifications.)
- **Differential:** EO-II

---

Boom Lift – Large

- **Department/Agency:** Arts & Venues
- **Vehicle Description:** Aerial Extension – 81’ with Out-Rigors
- **Attachments:** Aerial Boom with Hydraulic Controls
- **Manufacturer:** Denka Lift
- **GVWR:** N/A
- **Used For:** Reaching Great Heights
- **Qualifications:** No License Requirement (Operation may require special training – see manufactures specifications.)
- **Differential:** EO-II
Tower Platform Truck

- **Department/Agency:** Public Works – Street Maintenance
- **Vehicle Description:** Tower Platform Truck
- **Attachments:** Aerial Platform with Hydraulic Controls
- **Manufacturer:** Ford (Model: F450)
- **GVWR:** 13,730 lbs.
- **Used For:** Traffic Signal Repairs and Installation
- **Qualifications:** Class R Driver’s License
- **Differential:** EO-II

Aerial Bucket Truck – Large

- **Department/Agency:** Parks & Recreation
- **Vehicle Description:** Aerial Extension with Utility Body
- **Attachments:** Aerial Extension with Hydraulic Controls
- **Manufacturer:** Mack
- **GVWR:** 53,220 lbs.
- **Used For:** Tree and Debris Removal
- **Qualifications:** Class B Commercial Driver’s License with Air Brake Endorsement
- **Differential:** EO-II
Aerial Bucket Truck – Large

**Department/Agency:** Public Works – Street Maintenance

**Vehicle Description:** Aerial Extension with Utility Body

**Attachments:** Aerial Extension with Hydraulic Controls

**Manufacturer:** Freightliner

**GVWR:** 22,710 lbs.

**Used For:** Traffic Signal Repair, Maintenance, and Installation

**Qualifications:** Class R Driver’s License

**Differential:** EO-II

---

Aerial Bucket Truck – Large

**Department/Agency:** Denver International Airport

**Vehicle Description:** Aerial Extension with Utility Body

**Attachments:** Aerial Extension with Hydraulic Controls

**Manufacturer:** Freightliner

**GVWR:** 33,000 lbs.

**Used For:** General Maintenance and Repair

**Qualifications:** Class B Commercial Driver’s License with Air Brake Endorsement

**Differential:** EO-II
Equipment Operator III

This section contains a list of equipment used by the Equipment Operator III.

The Equipment Operator III is in the Maintenance & Operations occupational group and performs advanced level equipment operations of semi-tractor trailer equipment (tractor trailer, and truck and trailer combinations), and also operates large, heavy, and off-road equipment used in construction and earthmoving with no axle specification.

*Examples of equipment include: semi-tractor trailers, front-end loaders, motor graders, bulldozers, skid steers, cranes under a 40-ton capacity, asphalt paving equipment and tarmac snow removal equipment.*

Asphalt Compactor ................................................................................................................................................... 46
Asphalt Vibratory Compactor.................................................................................................................................... 46
Road Base Vibratory Compactor ............................................................................................................................... 47
Roadway Compact Planer ......................................................................................................................................... 47
Roadway Belt Loader ................................................................................................................................................ 48
Construction Crane – Medium .................................................................................................................................. 48
Construction Crane Truck – Medium ......................................................................................................................... 49
Semi-Tractor Trailer - Box ......................................................................................................................................... 49
Semi-Tractor Trailer - Hauler ..................................................................................................................................... 50
Semi-Tractor Trailer – Lowboy .................................................................................................................................. 50
Runway Plow Truck – Medium .................................................................................................................................. 51
Runway Plow Truck – Large ...................................................................................................................................... 51
Runway Deicer Truck ................................................................................................................................................ 52
Runway Broom ......................................................................................................................................................... 52
Runway Snow Blower ............................................................................................................................................... 53
Skid Loader ............................................................................................................................................................... 53
Front-End Loader – Medium ..................................................................................................................................... 54
Front-End Loader – Large .......................................................................................................................................... 54
Motor Grader............................................................................................................................................................ 55
Track Loader ............................................................................................................................................................ 55
Asphalt Compactor

**Department/Agency:** Denver International Airport

**Vehicle Description:** Asphalt Compactor

**Attachments:** N/A

**Manufacturer:** Ingersoll-Rand

**GVWR:** N/A

**Used For:** Compacting and Smoothing Asphalt

**Qualifications:** No License Requirement

**Differential:** EO-III

Asphalt Vibratory Compactor

**Department/Agency:** Denver International Airport

**Vehicle Description:** Asphalt Compactor and Vibratory

**Attachments:** N/A

**Manufacturer:** Ingersoll-Rand

**GVWR:** N/A

**Used For:** Asphalt Rolling and Smoothing

**Qualifications:** No License Requirement

**Differential:** EO-III
Road Base Vibratory Compactor

**Department/Agency:** Denver International Airport

**Vehicle Description:** Compactor and Vibratory

**Attachments:** N/A

**Manufacturer:** Ingersoll-Rand

**GVWR:** N/A

**Used For:** Dirt and Base Compaction

**Qualifications:** No License Requirement

**Differential:** EO-III

---

Roadway Compact Planer

**Department/Agency:** Public Works – Traffic Engineering Services

**Vehicle Description:** 60-HP Cummins Engine, Cutting Drum with 4” Depth Capacity, and 123 gl. Water Tank

**Attachments:** Mini Conveyor Belt for Debris Removal

**Manufacturer:** Dynapac (Model: PL350TD)

**GVWR:** 10,300 lbs.

**Used For:** Scraping Off and Inlaying Street Markings – Crosswalks, Bike Lanes, Long Lines, and Stop Bars

**Qualifications:** No License Requirement

**Differential:** EO-III
Roadway Belt Loader

**Department/Agency:** Public Works – Street Maintenance

**Vehicle Description:** Belt Loader

**Attachments:** Hydraulic Booms and Controls with Conveyor Belts

**Manufacturer:** Athey

**GVWR:** 19,200 lbs.

**Used For:** Roadway Construction

**Qualifications:** No License Requirement

**Differential:** EO-III

---

Construction Crane – Medium

**Department/Agency:** Public Works – Street Maintenance

**Vehicle Description:** Medium Size Crane

**Attachments:** Hydraulic Crane Boom

**Manufacturer:** Baldwin Lima Hamilton Corporation

**GVWR:** 36,800 lbs.

**Used For:** Asphalt Plant Maintenance and Construction

**Qualifications:** No License Required

**Differential:** EO-III
Construction Crane Truck – Medium

- **Department/Agency:** Public Works – Wastewater
- **Vehicle Description:** Medium Size Crane Truck
- **Attachments:** Hydraulic Crane Boom
- **Manufacturer:** Ford
- **GVWR:** 53,220 lbs.
- **Used For:** Sewer Construction
- **Qualifications:** Class B Commercial Driver’s License with Air Brake Endorsement
- **Differential:** EO-III

Semi-Tractor Trailer - Box

- **Department/Agency:** Public Works – Street Maintenance
- **Vehicle Description:** Semi-Tractor Trailer
- **Attachments:** Transfer Trailer – 51’
- **Manufacturer:** Mack Truck and Travis Trailer
- **GVWR:** 148,000 lbs.
- **Used For:** Hauling
- **Qualifications:** Class A Commercial Driver’s License with Air Brake Endorsement
- **Differential:** EO-III
Semi-Tractor Trailer - Hauler

**Department/Agency:** Denver International Airport  
**Vehicle Description:** Semi-Tractor Trailer  
**Attachments:** Gravel Trailer Bed  
**Manufacturer:** Freightliner  
**GVWR:** 64,000 lbs.  
**Used For:** Pulling Trailers, Dumping, and Hauling  
**Qualifications:** Class A Commercial Driver’s License with Air Brake Endorsement  
**Differential:** EO-III

Semi-Tractor Trailer – Lowboy

**Department/Agency:** Public Works – Street Maintenance  
**Vehicle Description:** Semi-Tractor Trailer with Lowboy Trailer  
**Attachments:** N/A  
**Manufacturer:** Freightliner and Load King Trailer  
**GVWR:** 211,080 lbs.  
**Used For:** Transporting Heavy Equipment  
**Qualifications:** Class A Commercial Driver’s License with Air Brake Endorsement  
**Differential:** EO-III
Runway Plow Truck – Medium

**Department/Agency:** Denver International Airport

**Vehicle Description:** Single-Axle Dump Truck with Plow

**Attachments:** Runway Plow – 22’

**Manufacturer:** International

**GVWR:** 40,000 lbs.

**Used For:** Airfield Snow Removal

**Qualifications:** Class B Commercial Driver’s License with Air Brake Endorsement

**Differential:** EO-III

Runway Plow Truck – Large

**Department/Agency:** Denver International Airport

**Vehicle Description:** Tandem-Axle Dump Truck with Plow

**Attachments:** Runway Plow – 22’

**Manufacturer:** Freightliner

**GVWR:** 60,000 lbs.

**Used For:** Airfield Snow Removal

**Qualifications:** Class B Commercial Driver’s License with Air Brake Endorsement

**Differential:** EO-III
Runway Deicer Truck

**Department/Agency:** Denver International Airport  
**Vehicle Description:** Runway Deicer  
**Attachments:** Swing Arm Booms with 4,000 gl. Tank  
**Manufacturer:** International  
**GVWR:** 62,000 lbs.  
**Used For:** Spraying Liquid Deicer on Airfield Runways and Taxiways  
**Qualifications:** Class B Commercial Driver’s License with Air Brake and Tanker Endorsements  
**Differential:** EO-III

Runway Broom

**Department/Agency:** Denver International Airport  
**Vehicle Description:** Runway Broom  
**Attachments:** N/A  
**Manufacturer:** Oshkosh  
**GVWR:** 45,000 lbs.  
**Used For:** Cleaning Snow and Ice from Airfield Runways and Taxiways  
**Qualifications:** No License Requirement  
**Differential:** EO-III
Runway Snow Blower

Department/Agency: Denver International Airport
Vehicle Description: Snow Blower
Attachments: N/A
Manufacturer: Oshkosh
GVWR: 45,000 lbs.
Used For: Blowing Snow Off of Airfield Runways and Taxiways
Qualifications: Class B Commercial Driver’s License with Air Brake Endorsement
Differential: EO-III

Skid Loader

Department/Agency: Denver International Airport
Vehicle Description: Skid Loader
Attachments: Post Hole Digger, Roto-Mill, Forklift, Trencher, Jack Hammer, and Power Shovel
Manufacturer: Bobcat – Other Manufacturers Include: New Holland, Caterpillar, and Ingersoll-Rand.
GVWR: N/A
Used For: Excavation, Loading, and All-Round Construction Work
Qualifications: No License Required
Differential: EO-III
Front-End Loader – Medium

**Department/Agency:** Denver International Airport

**Vehicle Description:** Medium Size Front-End Loader

**Attachments:** Bucket – 5 yd.

**Manufacturer:** New Holland

**GVWR:** N/A

**Used For:** Excavation and Earthmoving

**Qualifications:** No License Requirement

**Differential:** EO-III

---

Front-End Loader – Large

**Department/Agency:** Denver International Airport

**Vehicle Description:** Large Front-End Loader

**Attachments:** Bucket – 8 yd.

**Manufacturer:** Caterpillar

**GVWR:** N/A

**Used For:** Excavation and Earthmoving

**Qualifications:** No License Requirement

**Differential:** EO-III
Motor Grader

- **Department/Agency**: Denver International Airport
- **Vehicle Description**: Motor Grader
- **Attachments**: Blade with Hydraulic Controls
- **Manufacturer**: Caterpillar
- **GVWR**: N/A
- **Used For**: Excavation and Earthmoving
- **Qualifications**: No License Requirement
- **Differential**: EO-III

Track Loader

- **Department/Agency**: Denver International Airport
- **Vehicle Description**: Track Loader
- **Attachments**: Bucket and Till
- **Manufacturer**: Caterpillar
- **GVWR**: N/A
- **Used For**: Excavation and Earth Moving
- **Qualifications**: No License Requirement
- **Differential**: EO-III
Equipment Operator IV

This section contains a list of equipment used by the Equipment Operator IV.

The Equipment Operator IV is in the Maintenance & Operations occupational group and operates extraordinarily large and specialized equipment used in construction and earthmoving.

*Examples of equipment include: power shovels, backhoes (greater than 6’), derrick diggers, asphalt pavers, roto-mills, cranes over 40-ton capacity and other equipment equal in size, rarity and complexity.*

- Backhoe & Heavy-Duty Trencher .................................................................57
- Backhoe Tractor.......................................................................................57
- Log Loader Truck....................................................................................58
- Derrick Digger Truck - Medium ...............................................................58
- Derrick Digger Truck – Large .................................................................59
- Power Shovel Truck ................................................................................59
- Asphalt Paver – Track.............................................................................60
- Asphalt Paver – Wheel...........................................................................60
- Excavator – Medium..............................................................................61
- Excavator – Large..................................................................................61
- Construction Crane – Large ................................................................62
- Roto-mill – Medium...............................................................................62
- Roto-mill – Large....................................................................................63
Backhoe & Heavy-Duty Trencher

**Department/Agency:** Public Works – Street Maintenance  
**Vehicle Description:** Backhoe and Heavy-Duty Trencher – 6’ and Greater Depth  
**Attachments:** Backhoe and Trencher  
**Manufacturer:** Ditch Witch  
**GVWR:** 10,600 lbs.  
**Used For:** Trenching and Digging (EO-IV because of depth capacity and underground utility safety.)  
**Qualifications:** No License Requirement  
**Differential:** EO-IV

Backhoe Tractor

**Department/Agency:** Denver International Airport  
**Vehicle Description:** Backhoe Tractor – 6’ and Greater Depth  
**Attachments:** Backhoe Use Only  
**Manufacturer:** Caterpillar  
**GVWR:** N/A  
**Used For:** Trenching and Digging (EO-IV because of depth capacity of backhoe and underground utility safety.)  
**Qualifications:** No License Requirement  
**Differential:** EO-IV
Log Loader Truck

- **Department/Agency:** Parks & Recreation – Forestry
- **Vehicle Description:** Log Loader
- **Attachments:** Hydraulic Log Loader and Dump
- **Manufacturer:** Freightliner
- **GVWR:** 53,220 lbs.
- **Used For:** Tree and Debris Removal
- **Qualifications:** Class B Commercial Driver’s License with Air Brake Endorsement
- **Differential:** EO-IV

Derrick Digger Truck - Medium

- **Department/Agency:** Public Works – Street Maintenance
- **Vehicle Description:** Medium Size Derrick Digger Truck – 6’ and Greater Depth
- **Attachments:** Auger and Aerial Bucket
- **Manufacturer:** International
- **GVWR:** 28,575 lbs.
- **Used For:** Digging Holes for Foundations and Piers
- **Qualifications:** Class B Commercial Driver’s License with Air Brake Endorsement
- **Differential:** EO-IV
Derrick Digger Truck – Large

Department/Agency: Denver International Airport

Vehicle Description: Large Derrick Digger with Aerial Bucket – 6’ and Greater Depth

Attachments: Auger and Aerial Bucket

Manufacturer: Freightliner

GVWR: 36,220 lbs.

Used For: Digging Holes for Foundations and Piers

Qualifications: Class B Commercial Driver’s License with Air Brake Endorsement

Differential: EO-IV

Power Shovel Truck

Department/Agency: Denver International Airport

Vehicle Description: Power Shovel

Attachments: Jack Hammer and Shovel

Manufacturer: Gradall

GVWR: N/A

Used For: Excavation, Loading, and Digging

Qualifications: Class B Commercial Driver’s License with Air Brake Endorsement

Differential: EO-IV
Asphalt Paver – Track

**Department/Agency:** Denver International Airport  
**Vehicle Description:** Asphalt Paver  
**Attachments:** N/A  
**Manufacturer:** N/A  
**GVWR:** N/A  
**Used For:** Asphalt Road and Parking Lot Paving  
**Qualifications:** No License Requirement  
**Differential:** EO-IV

Asphalt Paver – Wheel

**Department/Agency:** Public Works – Street Maintenance  
**Vehicle Description:** Asphalt Paver  
**Attachments:** N/A  
**Manufacturer:** Caterpillar  
**GVWR:** 53,950 lbs.  
**Used For:** Asphalt Road Paving  
**Qualifications:** No License Requirement  
**Differential:** EO-IV
Excavator – Medium

**Department/Agency:** Public Works – Street Maintenance  
**Vehicle Description:** Medium Size Excavator  
**Attachments:** Various Equipment Attachments  
**Manufacturer:** Caterpillar  
**GVWR:** 28,000 lbs.  
**Used For:** Earth Moving and Construction  
**Qualifications:** No License Requirement  
**Differential:** EO-IV

---

Excavator – Large

**Department/Agency:** Public Works – Wastewater  
**Vehicle Description:** Large Size Excavator  
**Attachments:** Various Equipment Attachments  
**Manufacturer:** Link-Belt  
**GVWR:** 56,000 lbs.  
**Used For:** Earth Moving and Construction  
**Qualifications:** No License Requirement  
**Differential:** EO-IV
Construction Crane – Large

- **Department/Agency:** Denver International Airport
- **Vehicle Description:** Crane – 50 Ton Capacity
- **Attachments:** N/A
- **Manufacturer:** FMC Link-Belt
- **GVWR:** N/A
- **Used For:** Lifting Heavy Object
- **Qualifications:** Class B Commercial Driver’s License with Air Brake Endorsement
- **Differential:** EO-IV

Roto-Mill – Medium

- **Department/Agency:** Public Works – Street Maintenance
- **Vehicle Description:** Medium Size Roto-Mill
- **Attachments:** N/A
- **Manufacturer:** Wirten
- **GVWR:** 44,200 lbs.
- **Used For:** Roadway Construction
- **Qualifications:** No License Requirement
- **Differential:** EO-IV
Roto-Mill – Large

**Department/Agency:** Public Works – Street Maintenance

**Vehicle Description:** Large Size Roto-Mill

**Attachments:** N/A

**Manufacturer:** Caterpillar

**GVWR:** 85,100 lbs.

**Used For:** Roadway Construction

**Qualifications:** No License Requirement

**Differential:** EO-IV