



TORO Analysis of Truck Drivers, Heavy and Tractor-Trailer to Bus Drivers, Transit and Intercity

INPUT SECTION:

Transfer	Title	O*NET	Filters		
From Title:	Truck Drivers, Heavy and Tractor-Trailer	53-3032.00	Abilities:	Importance Level: 50	Weight: 1
To Title:	Bus Drivers, Transit and Intercity	53-3021.00	Skills:	Importance Level: 69	Weight: 1
Labor Market Area:	Maine Statewide		Knowledge:	Importance Level: 69	Weight: 1

OUTPUT SECTION:

Grand TORQ:

83

Ability TORQ		Skills TORQ		Knowledge TORQ	
Level	74	Level	88	Level	86

Gaps To Narrow if Possible				Upgrade These Skills				Knowledge to Add			
Ability	Level	Gap	Impt	Skill	Level	Gap	Impt	Knowledge	Level	Gap	Impt
Selective Attention	51	17	81	Social Perceptiveness	59	14	69	Transportation	65	4	81
Speech Recognition	46	16	62	Active Listening	53	7	74				
Sound Localization	46	17	50								
Problem Sensitivity	46	10	81								
Peripheral Vision	53	11	68								
Control Precision	55	7	81								
Visual Color Discrimination	41	9	59								
Flexibility of Closure	44	9	56								
Inductive Reasoning	41	8	59								
Hearing Sensitivity	50	8	56								
Glare Sensitivity	42	7	62								
Perceptual Speed	46	8	53								
Speech Clarity	41	6	65								
Multilimb Coordination	50	4	72								
Information Ordering	46	4	50								
Far Vision	55	2	84								



Night Vision	44	2	75
Oral Expression	50	2	72
Rate Control	53	2	65
Deductive Reasoning	42	2	59

LEVEL and IMPT (IMPORTANCE) refer to the Target Bus Drivers, Transit and Intercity. GAP refers to level difference between Truck Drivers, Heavy and Tractor-Trailer and Bus Drivers, Transit and Intercity.

ASK ANALYSIS

Ability Level Comparison - Abilities with importance scores over 50

Description	Truck Drivers, Heavy and Tractor-Trailer	Bus Drivers, Transit and Intercity	Importance
Near Vision	45	37	87
Reaction Time	70	62	84
Far Vision	53	55	84
Depth Perception	51	37	84
Problem Sensitivity	36	46	81
Selective Attention	34	51	81
Control Precision	48	55	81
Response Orientation	65	59	81
Spatial Orientation	57	51	78
Oral Comprehension	47	44	75
Night Vision	42	44	75
Oral Expression	48	50	72
Time Sharing	50	48	72
Multilimb Coordination	46	50	72
Peripheral Vision	42	53	68
Rate Control	51	53	65
Speech Clarity	35	41	65
Arm-Hand Steadiness	35	34	62
Glare Sensitivity	35	42	62
Speech Recognition	30	46	62
Written Comprehension	44	34	59
Deductive Reasoning	40	42	59



Inductive Reasoning	33	41	59
Visual Color Discrimination	32	41	59
Flexibility of Closure	35	44	56
Hearing Sensitivity	42	50	56
Perceptual Speed	38	46	53
Static Strength	75	51	53
Information Ordering	42	46	50
Manual Dexterity	42	28	50
Trunk Strength	48	32	50
Sound Localization	29	46	50

Skill Level Comparison - Abilities with importance scores over 69

Description	Truck Drivers, Heavy and Tractor-Trailer	Bus Drivers, Transit and Intercity	Importance
Active Listening	46	53	74
Operation Monitoring	47	40	70
Social Perceptiveness	45	59	69

Knowledge Level Comparison - Knowledge with importance scores over 69

Description	Truck Drivers, Heavy and Tractor-Trailer	Bus Drivers, Transit and Intercity	Importance
Transportation	61	65	81

Experience & Education Comparison

Related Work Experience Comparison				Required Education Level Comparison			
Description	Truck Drivers, Heavy and Tractor-Trailer		Bus Drivers, Transit and Intercity		Description	Truck Drivers, Heavy and Tractor-Trailer	Bus Drivers, Transit and Intercity
10+ years	0%	0%	0%	0%	Doctoral	0%	0%
8-10 years	0%	0%	0%	0%	Professional Degree	0%	0%
6-8 years	0%	0%	0%	0%	Post-Masters Cert	0%	0%
4-6 years	5%	0%	0%	0%	Master's Degree	0%	0%
2-4 years	1%	2%	0%	0%	Post-Bachelor Cert	0%	0%
1-2 years	71%	23%	0%	0%	Bachelors	0%	0%
6-12 months	10%	3%	0%	0%	AA or Equiv	0%	0%
3-6 months	0%	12%	0%	3%	Some College	3%	3%
1-3 months	0%	1%	0%	17%	Post-Secondary Certificate	21%	17%
0-1 month	1%	28%	0%	48%	High School Diploma or GED	53%	48%
None	9%	28%	0%	30%	No HSD or GED	22%	30%

**Most Common Educational/Training Requirement:**

Moderate-term on-the-job training

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Job Zone Comparison

2 - Job Zone Two: Some Preparation Needed

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Some previous work-related skill, knowledge, or experience may be helpful in these occupations, but usually is not needed. For example, a teller might benefit from experience working directly with the public, but an inexperienced person could still learn to be a teller with little difficulty.

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These occupations usually require a high school diploma and may require some vocational training or job-related course work. In some cases, an associate's or bachelor's degree could be needed.

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Employees in these occupations need anywhere from a few months to one year of working with experienced employees.

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Tasks**Truck Drivers, Heavy and Tractor-Trailer****Core Tasks****Generalized Work Activities:**

- Operating Vehicles, Mechanized Devices, or Equipment - Running, maneuvering, navigating, or driving vehicles or mechanized equipment, such as forklifts, passenger vehicles, aircraft, or water craft.
- Inspecting Equipment, Structures, or Material - Inspecting equipment, structures, or materials to identify the cause of errors or other problems or defects.
- Getting Information - Observing, receiving, and otherwise obtaining information from all relevant sources.
- Identifying Objects, Actions, and Events - Identifying information by categorizing, estimating, recognizing differences or similarities, and detecting changes in circumstances or events.
- Performing General Physical Activities - Performing physical activities that require considerable use of your arms and legs and moving your whole body, such as climbing, lifting, balancing, walking, stooping, and handling of materials.

Specific Tasks**Occupation Specific Tasks:**

- Check all load-related documentation to ensure that it is complete and accurate.
- Check conditions of trailers after contents have been unloaded to ensure that there has been no damage.
- Check vehicles before driving them to ensure that mechanical, safety, and emergency equipment is in good working order.
- Climb ladders to inspect loads after loading is complete, in order to ensure that cargo is secure.

Bus Drivers, Transit and Intercity**Core Tasks****Generalized Work Activities:**

- Operating Vehicles, Mechanized Devices, or Equipment - Running, maneuvering, navigating, or driving vehicles or mechanized equipment, such as forklifts, passenger vehicles, aircraft, or water craft.
- Getting Information - Observing, receiving, and otherwise obtaining information from all relevant sources.
- Inspecting Equipment, Structures, or Material - Inspecting equipment, structures, or materials to identify the cause of errors or other problems or defects.
- Identifying Objects, Actions, and Events - Identifying information by categorizing, estimating, recognizing differences or similarities, and detecting changes in circumstances or events.
- Performing for or Working Directly with the Public - Performing for people or dealing directly with the public. This includes serving customers in restaurants and stores, and receiving clients or guests.

Specific Tasks**Occupation Specific Tasks:**

- Advise passengers to be seated and orderly while on vehicles.
- Assist passengers with baggage and collect tickets or cash fares.
- Drive vehicles over specified routes or to specified destinations according to time schedules in order to transport passengers, complying with traffic regulations.
- Inspect vehicles, and check gas, oil, and water levels prior to departure.
- Load and unload baggage in baggage compartments.



- Collaborate with other drivers as part of a driving team on some trips.
- Collect delivery instructions from appropriate sources, verifying instructions and routes.
- Couple and uncouple trailers by changing trailer jack positions, connecting or disconnecting air and electrical lines, and manipulating fifth-wheel locks.
- Crank trailer landing gear up and down to safely secure vehicles.
- Drive trucks to weigh stations before and after loading and along routes, in order to document weights and to comply with state regulations.
- Drive trucks with capacities greater than 3 tons, including tractor-trailer combinations, in order to transport and deliver products, livestock, or other materials.
- Follow appropriate safety procedures when transporting dangerous goods.
- Follow special procedures related to specific cargo, such as checking refrigeration systems when carrying frozen foods, or providing food and water when carrying livestock.
- Give directions to laborers who are packing goods and moving them onto trailers.
- Install and remove special equipment such as tire chains, grader blades, plow blades, and sanders.
- Inventory and inspect goods to be moved, in order to determine quantities and conditions.
- Load and unload trucks, or help others with loading and unloading, operating any special loading-related equipment on vehicles and using other equipment as necessary.
- Maintain logs of working hours and of vehicle service and repair status, following applicable state and federal regulations.
- Maneuver trucks into loading or unloading positions, following signals from loading crew as needed; check that vehicle position is correct and any special loading equipment is properly positioned.
- Obtain receipts or signatures when loads are delivered, and collect payment for services when required.
- Operate equipment such as truck cab computers, CB radios, and telephones to exchange necessary information with bases, supervisors, or other drivers.
- Operate trucks equipped with snowplows and sander attachments to maintain roads in winter weather.
- Perform basic vehicle maintenance tasks such as adding oil, fuel, and radiator fluid, or performing minor repairs.
- Perform emergency roadside repairs such

Computer-related

- Make minor repairs to vehicle and change tires.
- Park vehicles at loading areas so that passengers can board.
- Record cash receipts and ticket fares.
- Regulate heating, lighting, and ventilating systems for passenger comfort.
- Report delays or accidents.

Detailed Tasks

Detailed Work Activities:

- collect payment
- examine vehicle to detect malfunctions, damage, or maintenance needed
- follow traffic laws
- load/unload passenger luggage or cargo
- maintain or repair cargo or passenger vehicle
- maintain records, reports, or files
- monitor variables affecting route activities
- move or fit heavy objects
- operate highway passenger vehicles
- oversee work progress to verify safety or conformance to standards
- perform safety inspections in transportation setting
- provide customer service in surface transportation
- service vehicle with water, fuel, or oil
- transport passengers or cargo
- use established traffic or transportation procedures
- use hand or power tools
- use local or regional geographical knowledge to transportation
- use two-way radio or mobile phone
- use vehicle repair tools or safety equipment

Technology - Examples

Internet browser software

- Web browser software

Map creation software

- AOL MapQuest
- Microsoft MapPoint

Tools - Examples

- Powered service doors
- Bus kneeling systems
- Passenger buses



• perform emergency roadside repairs such as changing tires and installing light bulbs, tire chains, and spark plugs.

- Place empty carts and pallets in trailers so they will be available to facilitate placement and movement of goods.
- Read and interpret maps in order to determine vehicle routes.
- Read bills of lading to determine assignment details.
- Remove any debris from trailers after loading is completed.
- Report vehicle defects, accidents, traffic violations, or damage to the vehicles.
- Secure cargo for transport, using ropes, blocks, chain, binders, and/or covers.
- Wrap goods using pads, packing paper, and containers, and secure loads to trailer walls, using straps.

Detailed Tasks

Detailed Work Activities:

- collect payment
- direct and coordinate activities of workers or staff
- drive tractor-trailer truck
- drive truck with capacity greater than 3 tons
- examine vehicle to detect malfunctions, damage, or maintenance needed
- follow traffic laws
- load, unload, or stack containers, materials, or products
- maintain driver log according to I.C.C. regulations
- maintain or repair cargo or passenger vehicle
- maintain records, reports, or files
- move or fit heavy objects
- operate cleaning equipment
- perform safety inspections in transportation setting
- prepare reports
- prepare safety reports
- read maps
- service vehicle with water, fuel, or oil
- transport passengers or cargo
- use established traffic or transportation procedures
- use geographic positioning system (GPS)
- use local or regional geographical knowledge to transportation
- use truck-mounted hydraulic lifts or other accessories
- use two-way radio or mobile phone
- use vehicle repair tools or safety equipment
- use weighing or measuring devices in

- Emergency first-aid kits

- Portable fire extinguishers

- Lube guns

- Electronic destination signs

- Rear lifts

- Minibuses

- Passenger vans

- Cell phones

- Tire pressure gauges

- Public address systems

- Digital surveillance camera systems

- Two way radios

- Wheelchair restraint systems



transportation

- verify cargo against shipping papers
- work as a team member
- wrap products

Technology - Examples

Data base user interface and query software

- Easy Trucker software
- Fog Line Software Truckn2004
- Truckers Helper software

Inventory management software

- Computerized inventory tracking software

Route navigation software

- ALK Technologies PC* Mier
- MarcoSoft Quo Vadis

Tools - Examples

- Compressors
- Blocks and tackle
- Flatbed trucks
- Pup trailers
- Trucks greater than 26000 pounds
- Dump trucks
- Lowboy trailers
- Forklifts
- Global positioning system GPS devices
- Handtrucks
- Cargo hoists
- Handlifts
- Satellite linkup systems
- Personal digital assistants PDA
- Refuse collection trucks
- Plow attachments
- Boom trucks
- On-board computers
- 4-ranger tower trucks
- Sliding fifth wheels



- Two way radios
- Wheeled loaders
- Winches

Labor Market Comparison

Description	Truck Drivers, Heavy and Tractor-Trailer	Bus Drivers, Transit and Intercity	Difference
Median Wage	\$ 31,140	\$ 26,990	\$(4,150)
10th Percentile Wage	\$ 21,630	\$ 19,620	\$(2,010)
25th Percentile Wage	N/A	N/A	N/A
75th Percentile Wage	\$ 39,070	\$ 31,830	\$(7,240)
90th Percentile Wage	\$ 48,350	\$ 50,410	\$ 2,060
Mean Wage	\$ 33,190	\$ 29,870	\$(3,320)
Total Employment - 2007	9,940	440	-9,500
Employment Base - 2006	11,827	493	-11,334
Projected Employment - 2016	12,184	547	-11,637
Projected Job Growth - 2006-2016	3.0 %	11.0 %	7.9 %
Projected Annual Openings - 2006-2016	246	12	-234

National Job Posting Trends

Trend for Truck Drivers, Heavy and Tractor-Trailer

Trend for
Bus
Drivers,
Transit
and
Intercity



Job Trends from Indeed.com

— Truck Driver — Bus Driver



Data from [Indeed](http://Indeed.com)

Recommended Programs

Truck, Bus and Other Commercial Vehicle Operator

Truck and Bus Driver/Commercial Vehicle Operation. A program that prepares individuals to apply technical knowledge and skills to drive trucks and buses, delivery vehicles, for-hire vehicles and other commercial vehicles. Includes instruction in operating gas, diesel, or electrically-powered vehicles; loading and unloading cargo or passengers; reporting delays or accidents on the road; verifying load against shipping papers; arranging transportation for personnel; and keeping records of receipts and fares.

No schools available for the program

Maine Statewide Promotion Opportunities for Truck Drivers, Heavy and Tractor-Trailer

O*NET Code	Title	Grand TORQ	Job Zone	Employment	Median Wage	Difference	Growth	Annual Job Openings
53-3032.00	Truck Drivers, Heavy and Tractor-Trailer	100	2	9,940	\$31,140.00	\$0.00	3%	246
53-4011.00	Locomotive Engineers	76	4	100	\$59,580.00	\$28,440.00	12%	4
43-5041.00	Meter Readers, Utilities	74	1	90	\$31,240.00	\$100.00	-11%	3
53-7032.00	Excavating and Loading Machine and Dragline Operators	73	2	330	\$32,160.00	\$1,020.00	6%	8
37-3013.00	Tree Trimmers and Pruners	73	2	0	\$38,080.00	\$6,940.00	0%	0
43-5052.00	Postal Service Mail Carriers	73	1	1,730	\$43,190.00	\$12,050.00	-3%	50



47-4061.00	Rail-Track Laying and Maintenance Equipment Operators	73	1	120	\$36,960.00	\$5,820.00	8%	4
53-7021.00	Crane and Tower Operators	72	3	240	\$41,940.00	\$10,800.00	-2%	4
47-5021.00	Earth Drillers, Except Oil and Gas	71	3	140	\$37,470.00	\$6,330.00	2%	4
43-5053.00	Postal Service Mail Sorters, Processors, and Processing Machine Operators	70	2	970	\$41,950.00	\$10,810.00	-12%	10
47-2073.00	Operating Engineers and Other Construction Equipment Operators	69	3	2,110	\$31,990.00	\$850.00	6%	53
53-1011.00	Aircraft Cargo Handling Supervisors	69		20	\$44,750.00	\$13,610.00	13%	0
51-4121.06	Welders, Cutters, and Welder Fitters	68	2	1,610	\$38,030.00	\$6,890.00	7%	49
47-2151.00	Pipelayers	67	2	60	\$33,170.00	\$2,030.00	8%	3
49-3031.00	Bus and Truck Mechanics and Diesel Engine Specialists	67	3	1,180	\$34,210.00	\$3,070.00	6%	34

Top Industries for Bus Drivers, Transit and Intercity

Industry	NAICS	% in Industry	Employment	Projected Employment	% Change
Urban transit systems	485100	10.94%	21,711	24,700	13.76%
Charter bus industry	485500	8.78%	17,431	19,515	11.96%
Other transit and ground passenger transportation	485900	4.96%	9,838	11,859	20.54%
Interurban and rural bus transportation	485200	4.83%	9,591	10,112	5.43%
Automotive equipment rental and leasing	532100	1.74%	3,459	3,925	13.46%
School and employee bus transportation	485400	1.59%	3,160	3,481	10.14%
Scenic and sightseeing transportation	487000	1.18%	2,352	3,164	34.51%
Self-employed workers, primary job	000601	1.15%	2,283	2,433	6.54%
Religious organizations	813100	0.58%	1,154	1,384	20.01%
Taxi and limousine service	485300	0.51%	1,008	1,125	11.51%
Travel agencies	561510	0.37%	725	685	-5.50%
Colleges, universities, and professional schools, public and private	611300	0.26%	517	578	11.87%



Elementary and secondary schools, public and private	611100	0.15%	301	317	5.38%
Self-employed workers, secondary job	000602	0.15%	293	291	-0.45%
Gambling industries	713200	0.10%	192	358	86.04%

Top Industries for Truck Drivers, Heavy and Tractor-Trailer

Industry	NAICS	% in Industry	Employment	Projected Employment	% Change
General freight trucking	484100	31.71%	589,766	667,086	13.11%
Specialized freight trucking	484200	12.05%	224,032	252,341	12.64%
Self-employed workers, primary job	000601	8.51%	158,317	168,666	6.54%
Cement and concrete product manufacturing	327300	4.17%	77,512	84,135	8.55%
Grocery and related product wholesalers	424400	3.31%	61,617	67,377	9.35%
Other specialty trade contractors	238900	2.59%	48,100	53,161	10.52%
Employment services	561300	2.24%	41,689	52,763	26.56%
Support activities for road transportation	488400	1.73%	32,238	35,449	9.96%
Waste collection	562100	1.60%	29,808	37,582	26.08%
Warehousing and storage	493100	1.55%	28,770	38,426	33.57%
Couriers	492100	1.49%	27,785	29,858	7.46%
Highway, street, and bridge construction	237300	1.45%	26,980	29,048	7.66%
Lumber and other construction materials merchant wholesalers	423300	1.30%	24,253	27,857	14.86%
Building material and supplies dealers	444100	1.20%	22,263	28,450	27.79%
Local government, excluding education and hospitals	939300	1.17%	21,759	24,444	12.34%