STATE OF OHIO (DAS) CLASSIFICATION SPECIFICATION

CLASSIFICATION SERIES	SERIES NUMBER
Highway Technician Equipment Specialist	5378
MAJOR AGENCIES	EFFECTIVE
Transportation only	04/10/2011

SERIES PURPOSE

The purpose of the highway technician equipment specialist (HTES) occupation is to perform equipment operation related to highway maintenance & construction duties. The HTES classification level operates all levels of equipment out of District-wide equipment operation work units.

Glossary: the terms below are to be interpreted as follows wherever they appear in the classification specification:

Basic Equipment: air compressor; asphalt reclaimer/recycler; backhoes and loaders; barricades, tow-type; brooms, power or tow-type; brush chipper; concrete saw or vibrator; ditcher, 3 - 8 ton; ditch shaper; truck, class 8 or less, straight or towing a vehicle not in excess of 10,000 lbs. GVWR; electricade, trailer-mounted; forklift; generator; grader, 13,000-23,000 pounds; hammers & jack hammer; tractors, all sizes, with various attachments such as a drag berm, post hole digger/auger and mowers including rear brush hog, rear flail, cutter bar & side mount rotary and drag berm; pick-up truck or van, ½ ton, ¾ ton & 1 ton with or without trailer; plow & spreader; roller patcher, 4-6 tons; roller, 5-8 tons; sand blaster; chain saws; pavement joint sealer; sewer jet; sewer eel; hydraulic &/or stone box spreader; spade; stump cutter; 300 gallon tar kettle; tar distributor; water pumps; weed eaters; mowers, push-type; bucket trucks; computerized weed sprayer, truck-mounted; pickup or flatbed truck mounted winch/crane (3 ton lift capacity or less); guardrail post driver, truck-mounted.

Standard Equipment: conveyor loader, self-propelled; bump heater; concrete mixer; compactor, 4-6 tons; dozer, 7 tons; excavator, less than 44,000 pounds; grader, over 23,000 pounds; trailers, all including low-boy, tankers, dump trailers, flat deck; mud jack; paver, pull-type; pavement grinder, mounted; roller, 8 ton but less than 12 ton; steamer; hand & long- line striper; sweeper, truck-mounted; truck, class 8 or less, straight or combination vehicle not requiring a Special Hauling Permit; crane, truck-mounted (greater than 3 but less than 35 tons lift capacity); traffic line remover; sewer cleaner under 17 tons; hydro seeder, truck mounted; trencher.

Complex Equipment: concrete groove/pavement cutter; cranes (35 tons & greater lift capacity); truck-mounted,35 ton, crane; truck, class 8 or less, straight, or combination vehicle requiring a Special Hauling Permit; clam bucket; dozer, 18 tons; excavator, crawler & truck-mounted, 44,000 pounds or more; pile driver, 1 ton or more; road widener; roller, 12 ton or more; sewer cleaner 17 tons & greater; milling machines, self-propelled; pavers, self propelled, 10,000 pounds or more; earth movers (pans); hydraulic/air hammer/breakers, boom-mounted; platform truck; snooper truck.

JOB TITLEJOB CODEPAY GRADEEFFECTIVEHighway Technician Equipment Specialist537810704/10/2011

CLASS CONCEPT

The full performance level class works under general direction & requires considerable knowledge of highway maintenance in order to operate any combination of basic, standard & complex equipment (i.e., see glossary for definitions) to excavate & grade ditches, construct & maintain roads & bridges, dig channels, load &/or transport all levels of equipment & materials, clean waterways &/or perform similar operations.

JOB TITLE	JOB CODE	<u>B. U.</u>	EFFECTIVE	PAY GRADE
Highway Technician Equipment Specialist	53781	07	04/10/2011	07

JOB DUTIES IN ORDER OF IMPORTANCE (These duties are illustrative only. Incumbents may perform some or all of these duties or other job-related duties as assigned.)

Operates any combination of basic, standard & complex equipment (i.e., see glossary for definitions of equipment) to excavate & grade ditches, construct & maintain roads & bridges, dig channels, load &/or transport all levels of equipment & materials, clean waterways &/or perform similar operations; place asphalt & stone; perform snow & ice control & related maintenance duties by operation of snow plow with spreader, brine dispensing equipment, dump truck with attachments & performs general highway maintenance duties which vary by season (e.g., cuts brush, grass & other vegetation, applies chemicals to vegetation, patches & seals berm & pavement, mixes mortar & concrete, shovels backfill, installs & repairs catch basin & stream channel & completes other drainage work, screens bleeding surface, reshapes/digs ditches/trenches, pours hot tar; removes trash, repairs/replaces/straightens street &/or traffic signs & other route markers; installs & repairs guardrails;) completes other related highway maintenance assignments, performs bridge maintenance duties (e.g., cuts & removes deteriorated concrete, mixes, pours, finishes & water proofs new concrete, builds, repairs & replaces headwalls, wooden bridge decks.)

Performs emergency response & clean up; performs traffic control (e.g., flags traffic through work zone or around accident site; sets lane closures; places high water signs; erects barricades); performs general labor & maintenance functions at garage; loads & unloads freight; arranges stock in warehouse; moves equipment.

Performs minor repairs & maintenance on equipment (e.g., sharpens; sands; welds; paints; refuels; lubricates; checks tires for wear & pressure; replaces light bulbs; washes & cleans trucks & equipment to prevent rusting); changes tailgates & snowplow blades; conducts pre-trip inspections of equipment; performs miscellaneous labor & bookkeeping tasks; operates two-way radio/base station; telephones crews for emergencies; cleans offices & work area; keeps daily records & logs (e.g., fuel sheets, material check sheets); responds to general inquiries from public (e.g., gives directions; explains traffic delays; explains work underway); assists stranded motorists (e.g., telephones for needed assistance).

MAJOR WORKER CHARACTERISTICS

Knowledge of safety practices & requirements associated with operation of heavy motorized equipment including excavation & trenches; arithmetic to include fractions, decimals & percentages. Skill in operation of heavy motorized & construction equipment (e.g., paving machine 10,000 lbs. and above, Cold milling machine, concrete trenchers, earth movers (pans), rock saws, hydraulic/air hammer breakers, power brooms, crawler loader, stone spreader, widening box, crane, large backhoe &dozer, heavy crawler, gradall, tractor trailer); maintenance & repair of equipment; operation of light & heavy equipment & hand tools (e.g., dump truck, grader, forklift, bucket truck, tractor trailer, chainsaw). Ability to carry out oral & written instructions; complete records & reports; lift 100 pounds; demonstrate physical fitness.

MINIMUM CLASS QUALIFICATIONS FOR EMPLOYMENT

Formal education in arithmetic to include fractions, decimals & percentages & to read, write & speak common English vocabulary; 18 mos. trg. or 18 mos. exp. in operation of standard & complex equipment (i.e., see glossary for definition of standard & complex equipment) & related safety practices.

Note: Applicant must have valid CDL at the appropriate level pursuant to approved PD on file to operate motorized equipment of size & type regulated by sections 4506.1, 4506.03, & 4506.12 of Ohio Revised Code.

-Or equivalent of Minimum Class Qualifications For Employment noted above.

TRAINING AND DEVELOPMENT REQUIRED TO REMAIN IN THE CLASSIFICATION AFTER EMPLOYMENT

Renewal of Commercial Driver's License pursuant to approved position description on file. By the end of their probationary period, employees must have successfully completed the following: ODOT's HTES Heavy Equipment & Safety course & the following Highway Technician courses: Maintenance Operation Overview; Personal Safety Awareness; Truck & Loader School; Snow & Ice Control; Regulated Waste Removals & HAZWOPER Awareness; WorkZone Maintenance of Traffic (MOT.)

UNUSUAL WORKING CONDITIONS

Works outside exposed to weather (i.e., including rain, lightening, humidity & hot temperatures in summer time & cold temperatures in winter) & on-going traffic; work rotating shift; on-call 24 hrs, 7 days per week; lift &/or transport 50-100 pounds; exposed to unpleasant surroundings to include dead animals, containers filled with human waste, diapers,

ditches with water & sewage, loud noise from equipment & traffic, confined work area while driving truck during regular &/or double shift during snow & ice removal or in confined space while digging ditches to install pipes or digging holes; exposed to insects such as bees, mosquitoes, flies & spiders; exposed to rodents to include mice & rats; exposed to stray dogs, dirt, dust, fumes, poison ivy/sumac & pollen.