

Adalyn Long

Equipment Operator 1, Stormwater Infrastructure

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SUMMARY

Early career equipment operator candidate with supervised training in **stormwater infrastructure**, drainage maintenance, heavy equipment safety, and outdoor public works operations. Practical work includes backhoes, pumps, hoses, storm sewer cleaning, confined space procedures, concrete patching, brick repair, equipment inspections, mechanical upkeep, and **daily documentation**. Training also covers safe PPE use, manhole debris removal, traffic awareness, low visibility positioning, snow and ice response, and clear communication around mobile machinery. Physically prepared for lifting, climbing, hose handling, extended standing and walking, and work in rain, snow, heat, humidity, noise, and exhaust. Holds a **valid driver's license**, OSHA 10 Hour Construction certification, and **Kansas Class B CDL** permit preparation. Ready for dependable field service that protects drainage systems and supports safe public infrastructure.

EDUCATION

Certificate in Heavy Equipment and Public Works Operations

Washburn Institute of Technology 🎓 GPA: 4.0 📅 2026 📍 Topeka, KS

***Coursework:** Stormwater maintenance, heavy equipment operation, construction materials, confined space safety*

TECHNICAL SKILLS

- **Heavy Equipment:** Backhoes, bulldozers, scrapers
- **Stormwater Systems:** Storm sewers, inlets, conduits
- **Pumping Equipment:** Pumps, hoses, hydrants
- **Cleaning Equipment:** Combination cleaners, shovels, hand tools
- **Inspection Systems:** Television inspection systems, equipment checks, site inspections
- **Construction Materials:** Concrete, brick, masonry materials
- **Maintenance Methods:** Cleaning, repair, replacement
- **Safety Practices:** PPE, confined space procedures, entry controls
- **Vehicle Operations:** Snowplows, machinery entry, low visibility positioning
- **CDL Requirements:** Class B CDL, air brakes, tanker endorsement
- **Documentation Tools:** Daily work logs, maintenance records, inspection records
- **Emergency Operations:** Snow removal, ice removal, adverse weather response

SKILLS

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|-----------------------------|-------------------------|-------------------------|-------------------------|
| • Stormwater Infrastructure | • Snowplows | • PPE | • Construction Tools |
| • Heavy Equipment | • Hose Handling | • Concrete Repair | • Work Documentation |
| • Backhoes | • Drainage Cleaning | • Brick Repair | • Snow and Ice Response |
| • Pumps | • Confined Space Safety | • Mechanical Inspection | |

EXPERIENCE

Stormwater Equipment Operations Project

University Project 📅 March 2026 - Present 📍 Topeka, KS

Supervised training role supporting simulated stormwater maintenance assignments, equipment operation, drainage cleaning, field safety, mechanical checks, and work documentation.

- Operated backhoe controls, **pumps**, and hoses during supervised drainage assignments with safe work zone practices
- Completed pre use inspections, fluid checks, and equipment cleaning using documented safety procedures
- Practiced storm inlet cleaning, conduit support, and debris removal with required **PPE** and entry controls
- Performed concrete patching and basic **brick repair** using **construction materials**, hand tools, and supervised methods
- Recorded equipment, site conditions, maintenance actions, and instructor verification in daily work logs
- Trained for snow removal, **low visibility** positioning, and safe communication around mobile machinery

Stormwater Maintenance Field Project

Capstone Project 📅 September 2025 - February 2026 📍 Topeka, KS

Supervised capstone field role focused on drainage assessment, pump and hose operation, confined space planning, minor repair, and maintenance documentation.

- Surveyed training drainage networks and documented blocked inlets, sediment, damaged surfaces, and maintenance priorities

- Used supervised pump and **hose** setups for water removal simulations while managing resistance and work zones
- Practiced manhole debris removal with long handled **tools** and documented confined space hazards before simulations
- Developed maintenance sequences covering cleaning, minor repair, equipment selection, traffic awareness, and documentation
- Demonstrated safe **lifting**, climbing, pushing, pulling, and machinery entry techniques during field evaluations
- Presented inspection records and maintenance plans to instructors, then applied feedback during revised evaluations

PROJECTS

Stormwater Drainage Assessment 2026

Mapped training drainage conditions and connected blocked inlets, sediment, damaged surfaces, and maintenance priorities with practical field planning.

Equipment Safety Readiness Program 2026

Built supervised readiness through inspections, PPE practice, confined space controls, equipment positioning, documentation, and adverse weather response drills.

LEADERSHIP & AWARDS

- Public Works Safety Excellence Recognition, 2026
- Dean's List, Washburn Institute of Technology, 2025
- Peer Safety Demonstration Volunteer, Heavy Equipment Program

CERTIFICATIONS

- OSHA 10 Hour Construction  2026
- Kansas Class B CDL Permit Preparation  2026
- Valid Driver's License  2026

PROFESSIONAL AFFILIATIONS

- Heavy Equipment Program, Washburn Institute of Technology
- Campus Community Cleanup Crew

LANGUAGES

- English (Native)
- Spanish (Beginner)

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST