



TASK INVENTORY

Division: Major Projects, Industrial Services, Field Services

Date: June 20, 2015

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Revision: July 2025

JOB PHASE	TASKS	HAZARDS	Severity (1-4)	Probability (1-5)	Risk Before	CONTROLS / STANDARDS	Severity (1-4)	Probability (1-5)	Risk After	Project Manager/Supervisor	Foreman	Third Party Contractor	Pipfitter/Apprentice	Equipment Operator (Dozer)	Equipment Operator (Excavator)	Equipment Operator (Zoom Boom Skid Steer)	Iron Workers/Apprentices	Scaffolders/Apprentices	Welder/Apprentice	General Labourers	Site Safety Coordinator	Field Quality Control			
					Risk (1-20)				Risk (1-20)																
					Green = Low Yellow = Medium Orange = High Red = Extreme				Green = Low Yellow = Medium Orange = High Red = Extreme																
Pre-Construction Site Tour	Travel to site	Collision with traffic/wildlife/equipment, rollover, vehicle breakdowns, inadequate communication method	4	3	Orange	Fleet Safety Journey Management (HSEMS - 21), Driving & Journey Management (SWP-28), Working Traveling alone (SWP-21)	4	3	Orange	✓	✓		✓	✓	✓	✓			✓	✓	✓	✓	✓		
	Travel with ATV / UTV	Collision with traffic/wildlife/equipment, rollover, equipment breakdowns, inadequate communication method	4	3	Orange	ATV Safety (SWP-01), Personal Protective Equipment (HSEMS-6), ATV/UTV training and/or competency, Manufacturers Operating Recommendations	4	2	Yellow	✓	✓		✓		✓					✓	✓	✓	✓		
	Walk around location	Uneven/slippery ground, wildlife, severe weather, inadequate communication method	1	4	Green	PPE (HSEMS - 6) - Proper footwear, traction aids where required, Using Non-Intrinsically Safe Tools (SJP-20)	1	3	Green	✓	✓	✓	✓	✓	✓	✓				✓	✓	✓	✓	✓	
	Measure for fabrication	Fall from heights, uneven/slippery ground conditions, over reaching/extending, exposure to toxic substances, cuts from sharp edges, working alone / delayed response to injury/incident	2	2	Green	PPE (HSEMS - 6), Fall Protection (COP-06), Ladders (SWP-25), Working Alone (SWP-21)	1	2	Green	✓	✓	✓	✓							✓					
Site Survey / Layout	Staking out site and locates	Uneven/slippery ground conditions, crush points/flying debris/muscle strains from hammer/post pounder/etc, wildlife, working in hot/cold (heat stroke/frost nip/frost bite/hypothermia)	1	4	Green	PPE (HSEMS - 6, E.G.: Proper footwear, traction aids), Contractor Management (HSEMS - 18)	1	3	Green		✓	✓													
Mobilization (MOB)	Loading / unloading trucks and trailers	Cuts from sharp edges/banding/tensioned load securement, crush or property/equipment damage potential from falling material/equipment or from mobile equipment, falls from height, strains from reaching/extending/heavy lifting	4	3	Orange	Loading Unloading Hauling Equipment (SWP-29), Cargo Securement (SWP-04), Material Handling (SWP-22), Forked Lifting Equipment (SJP-23), Ladders (SWP-25), Cargo Management Hazard Assessment	2	2	Green		✓		✓	✓	✓	✓				✓	✓				
	Offloading equipment and materials	Equipment rollover/fall, crush potential, equipment/property damage, working alone, tension released from load securement (LoF)	4	3	Orange	Loading / Hauling / Unloading Equipment (SWP-29), Cargo Securement & Trailer Use (SWP-04), Ergonomics - Manual Material Handling (SWP-22), Equipment Competency Assessment	2	2	Green		✓		✓	✓	✓	✓				✓	✓				
	Attach dozer blade	Crush potential between dozer and blade, pinch point between connecting parts of dozer and blade, overexertion/heavy lifting/awkward movements, uneven ground conditions	3	2	Yellow	Installing Blade onto D6 (SJP-16), Removing Blade from Dozer (SJP-15)	2	2	Green					✓							✓				
	Working around mobile equipment	Crush potential from moving mobile equipment, excessive exposure to noise	4	4	Red	Mechanical Mobile Equipment Operations (SWP-44), Excavating and Trenching (SJP-30), Vehicle and Equipment Spotting (SWP-75)	4	2	Yellow	✓	✓		✓	✓	✓	✓				✓	✓	✓	✓	✓	
Site Preparation	Pounding posts (manually)	Cuts from sharp edges, hand/finger crush, flying debris, overexertion, awkward/repetitive movement, contact with buried facilities	2	4	Yellow	PPE (HSEMS - 6), Ground Disturbance (COP-07), Installing T-Post and Snow Fence (SJP-43)	2	2	Green		✓											✓			
	Pounding posts (equipment)	Cuts from sharp edges, hand/finger crush, body crush from equipment, flying debris, contact with buried facilities	3	2	Yellow	PPE (HSEMS - 6), Ladders (SWP 25), Ground Disturbance (COP-07), Installing T-Post and Snow Fence (SJP 43)	2	2	Green		✓	✓	✓		✓							✓			
	Installing goal posts	Contact with overhead lines, bending/twisting/lifting overhead	3	2	Yellow	PPE (HSEMS - 6), Ground Disturbance (COP-07), Installing T-Post and Snow Fence (SJP-43), Overhead Power Lines (Working Near) (SWP-24)	2	2	Green		✓											✓			
	Attaching signs	Cuts from sharp edges or slipping tools, non-intrinsically safe tool (if applicable)	2	2	Green	PPE (HSEMS - 6)	1	2	Green		✓											✓			
Clear ROW / Lease	Chain saw operations	Rotating sharp chain, flying debris, crush potential from falling trees/brush	3	4	Orange	Chain Saw Operations (SWP-13), Forestry Logging Operations (SWP-65), PPE (HSEMS - 6)	3	2	Yellow	✓													✓		
	Felling with excavator	Contact facility, equipment, or personnel from falling trees/brush, crush from mobile equipment, potential for trees to have grown over underground facility	3	3	Yellow	Forestry Logging Operations (SWP-65), Ground Disturbance (COP-07), workers to avoid line of fire, Vehicle and Equipment Spotting (SWP-75)	2	2	Green					✓											
	Felling with dozer	Contact facility, equipment, or personnel from falling trees/brush, crush from mobile equipment, potential for trees to have grown over underground facility	3	3	Yellow	Forestry Logging Operations (SWP-65), Ground Disturbance (COP-07), workers to avoid line of fire, Vehicle and Equipment Spotting (SWP-75)	2	2	Green				✓												
	Stumping	Rotating equipment/attachment, LoF - contact with stump when tension released, crush from mobile equipment, potential for trees to have grown over underground facility	3	3	Yellow	ROW Preparation (SJP-28), Ground Disturbance (COP-07)	2	2	Green				✓	✓											
	Piling brush	Crush from mobile equipment or trees/brush being moved, entanglement with equipment components (spill/equipment failure)	3	2	Yellow	PPE (HSEMS - 6), Mechanical Mobile Equipment Operation (SWP-44)	2	2	Green				✓	✓									✓		
	Burning	Direct or referred contact with fire, dry or excessively flammable vegetation	3	2	Yellow	ROW Preparation (SJP-28), Brush Pile Burning (SWP-86), Fire Extinguishers (SWP-05), Forest and Prairie Protection Act (Fire extinguisher, pulaski axes, fire suppression)	2	2	Green				✓	✓									✓		
Prepare ROW / Lease	Top soil / sub grade stripping with dozer	Crush by dozer, contact with overhead or underground facilities	4	3	Orange	ROW Preparation (SJP-28), Ground Disturbance (COP-07), Mechanical Mobile Equipment Operation (SWP-44)	2	2	Green				✓												
	Top soil / sub grade stripping with excavator	Crush by excavator, contact with overhead or underground facilities	4	3	Orange	ROW Preparation (SJP-28), Ground Disturbance (COP-07), Mechanical Mobile Equipment Operation (SWP-44)	2	2	Green					✓											
	Mounting and dismounting (equipment & vehicles)	Slippery or sharp edged components on equipment, missed footing, raised surfaces with no guardrail (tall tracks, truck decks)	2	4	Yellow	Maintain three point contact, clean off boots, avoid parking on slope or ice where possible	2	2	Green	✓	✓		✓	✓	✓	✓	✓								
	Rip rap install	Crush from mobile equipment or rocks, hard contact with equipment components (spill/equipment failure)	4	2	Yellow	ROW Preparation (SJP-28), Ground Disturbance (COP-07), Mechanical Mobile Equipment Operation (SWP-44)	2	2	Green				✓	✓											
	Matting install with excavator	Crush from mobile equipment or under a dropped mat, incorrect and/or overly aggressive handling of mat	4	2	Yellow	Mats / Matting (SWP-70), Vehicle and Equipment Spotting (SWP-75), Hi-Vis PPE (HSEMS - 6)	2	2	Green					✓									✓		
	Finish grade	Crush by mobile equipment, contact with overhead or underground facilities, inadequate sloping/run-off grading	4	2	Yellow	Mechanical Mobile Equipment Operation (SWP-44), As per site direction	2	2	Green		✓				✓								✓		
	Spreading gravel with skid steer	Crush/contact from mobile equipment, wear & tear on equipment components	4	3	Orange	Mechanical Mobile Equipment Operations (SWP-44), Manufacturers Operations Manual, Competency Assessment, Vehicle and Equipment Spotting (SWP-75), Hi-Vis PPE (HSEMS - 6)	2	2	Green	✓	✓											✓			
	Spreading gravel with loader	Crush/contact from mobile equipment, wear & tear on equipment components	4	3	Orange	Mechanical Mobile Equipment Operations (SWP-44), Manufacturers Operations Manual, Competency Assessment, Vehicle and Equipment Spotting (SWP-75), Hi-Vis PPE (HSEMS - 6)	2	2	Green					✓											
	Spreading gravel with dozer	Crush/contact from mobile equipment, wear & tear on equipment components	4	3	Orange	Mechanical Mobile Equipment Operations (SWP-44), Manufacturers Operations Manual, Competency Assessment, Vehicle and Equipment Spotting (SWP-75), Hi-Vis PPE (HSEMS - 6)	2	2	Green				✓												
Spreading gravel with shovel	Overexertion/heavy lifting, repetitive motion, bending/twisting, sharp edges, burs, or splinters on shovel/handle	2	4	Yellow	HSEMS Section 6 - PPE, Ergonomics - Manual Material Handling (SWP 22)	2	2	Green	✓	✓	✓		✓	✓	✓						✓				

