APPENDIX D
Equipment Checklist

	Leica P50 Scanner: • P50 Scanner • Batteries (x 6) • Heavy duty tripod (preferably the Leica tripod with the black cap) • Leica GAD110 GNSS mount adapter, Leica GAD112 prism adapter stub. *Sites: RUMBLE PIT, Siskiyou Pass,*
	Leica RTC360 Scanner • Leica RTC360 Scanner • USB Flash Drives (x2) • GNSS mount with screws, Leica GAD112 prism adapter stud. • GNSS quick release • **Backpack** (Keep scanner in red Leica case for transport, backpack can be used when on site if needed). *Sites: RUMBLE PIT, OR-66 Green Spring, SR14 MP73, Eddyville, YellowJacket.*
	2-3 GNSS Units: • One to serve as a base and a rover for each scanner (if both scanners are used at the same time, bring two rovers). • One preferably being (Leica GNSS #4), which has already been configured for OCRS • Each with receiver and controller • Mifi hotspot device. • >= 2 Batteries per receiver (estimate 4 hours each). • >= 2 batteries per controller (estimate 6 hours each). • 1 (2.0-m) Fixed Height GNSS Pole *GNSS not needed for most RUMBLE PIT surveys. For GNSS baseline surveys at RUMBLE PIT, bring 5 GNSS units, controllers, and fixed height poles to the site. Confirm that raw data are being logged (either to SD card in unit or to controller).*
	Leica TS15 total Station case • Total station instrument • Prism pole • 1x 360 deg Leica Prism (x2 For RUMBLE PIT) • Batteries (>=3) • Heavy duty tripod (extra along with scanner tripod)
	Items for overnight field work • 2-3 Four bay Leica battery charger (overnight field work) • Surge protector x2 • Project data backup hard drive • Extension cord (optional, but may be useful in hotel with limited power outlets)
	Backpack containing the following: • Kestrel environmental meter • Set of hex wrenches • First aid kit • Garbage bags to cover equipment during rainfall • SPR864 Field Book.

	• Tape measurer • Hand tool kit
	DJI Mavic • Drone and cases • Controller • RTK base • Photogrammetric target kit (~20).
	Miscellaneous: • Rumble Pit Key (stored in tool cabinet, upper drawer, left corner). • Safety vests (ANSI class III)# • Hard hats# • Magnetic targets with pole and tripod/bipod supports. • Clipboard targets (x30) • Walkie talkies (and charger) • PK nails • Mallet (Thor)* • Flagging tape* • White Spray paint • Spray paint target stencils • Traffic cones • Pavement marking chisel • Wooden stakes* • Microfiber clothes to wipe down equipment. • Coarse clothes to wipe down cases/tripod legs • Brush to clean tripod legs *# Bring one per person.* **For RUMBLE PIT initial survey, bring 30 1" x 1" stakes and 5 colors of flagging to mark features. Bring 30 tall, thin wood stakes. Bring 2-3 hammers.*
	Ground control points (RUMBLE PIT initial survey only) • Metal stakes x8 • Control monuments x4 • Shovels • Hand auger • Stamping kit • Rubber mallets x 2 • Mallet (Thor)
	Digital Camera • Canon Digital SLR Rebel T5i • Batteries