

Anticipated UC2B Construction Services and Materials
Construction Bid Documents from the University of Illinois, City of Champaign and City of Urbana
are the official source for Construction Services and Materials

Concrete Paving

Hammer-drills or other pavement removal equipment, air compressor, surface prep equipment, warning signs, barricades, concrete forms, miscellaneous small concrete finishing tools.

Selective demolition

Dump truck (for waste hauling), Backhoe, hammer-drill, large air compressor, Warning signs, Barricades.

Misc site cleaning

Truck (for waste hauling), skid steer, Misc. small tools.

Structure excavation & backfill (manholes and handholes)

Dump truck, Backhoe, soil compacter.

Surface restoration – landscape and pavement

Dump truck, skid steer with landscape attachment; equipment to restore paved surfaces (see “concrete paving above).

Directional boring

Horizontal directional boring machine, Vacuum truck or trailer, backhoe, dump truck.

Optical fiber pulling

Fiber pulling tool, figure-8 pulling trailer, breakaway connectors.

Optical fiber lubrication

Lubrication to reduce friction between fiber cable and duct while pulling.

Optical fiber splicing

Fusion splicer for ribbon fiber, fiber cleaver, OTDR for testing fiber, optical laser source and receiver for testing loss.

Optical fiber termination

Same as above.

Material suppliers (general list, not all-inclusive and subject to change)

- Optical fiber cable, armored (various fiber counts; lengths up to 16,000 ft per reel)
- Conduit, high-density polyethylene (outside diameter varies)
- Cable marking ribbon
- Copper locate wire
- Fiber-optic cable lubricant

- Manholes, precast
- Handholes, precast (per University/IDOT Standard Specs and city specs)
- Splice cases/enclosures
- Erosion control materials (per IDOT Standard Specs)
- Miscellaneous landscaping and topsoil and related material for site restoration
- Rip rap (per IDOT Standard Specs)
- Concrete - for pavement restoration and slab placement for field equipment (per University/IDOT Standard Specs and city specs)
- Asphalt (for pavement restoration) per University/IDOT and city specifications
- Coarse aggregate (per IDOT Standard Specs)