

**Practice: 472 - Access Control**

**Scenario: #1 - Cave Gate**

**Scenario Description:**

Installing a barred metal gate to exclude human access to sensitive cave species in a karst area. Access control is needed to treat the wildlife resource concern.

**Before Situation:**

The cave is currently unprotected from human access, and bats are susceptible to white nose syndrome infection. T&E bat species could easily be impacted by this fungus.

**After Situation:**

Sensitive cave species are protected from human traffic and fungal infection.

**Scenario Feature Measure:** A 165 sq ft metal gate with bars 5.75 inches apart that allows passage for cave species and

**Scenario Unit:** Square Foot

**Scenario Typical Size:** 165

**Scenario Cost:** \$12,885.61

**Scenario Cost/Unit:** \$78.09

**Cost Details (by category):**

Component Name	ID	Component Description	Unit	Price (\$/unit)	Quantity	Cost
<b>Labor</b>						
General Labor	231	Labor performed using basic tools such as power tool, shovels, and other tools that do not require extensive training. Ex. pipe layer, herder, concrete placement, materials spreader, flagger, etc.	Hour	\$18.57	16	\$297.12
Skilled Labor	230	Labor requiring a high level skill set: Includes carpenters, welders, electricians, conservation professionals involved with data collection, monitoring, and or record keeping, etc.	Hour	\$26.82	35	\$938.70
<b>Materials</b>						
Bat Gate	1129	Bat Gate Assembly, Includes materials, equipment and labor.	Square Foot	\$68.25	165	\$11,261.25
<b>Mobilization</b>						
Mobilization, General labor	1142	Mobilization of general labor: Ex. pipe layer, herder, concrete placement, materials spreader, flagger, etc.	Hour	\$18.52	2	\$37.04
Mobilization, Material, distance > 50 miles	1043	Mobilization cost of materials for special cases where the distance from the supplier delivery point to the job site exceeds 50 miles. The costs for shipping by UPS or bulk freight shipping to a location within 50 miles of the job site have already been i	Dollar	\$1.00	300	\$300.00
Mobilization, Skilled labor	1141	Mobilization of skilled labor: Includes carpenters, welders, electricians, conservation professionals involved with data collection, monitoring, and or record keeping, etc.	Hour	\$25.75	2	\$51.50