



Bat Habitat Assessment Form

NCDOT Bridges

Observers: _____

TIP or DOT project number: _____

Date: _____

Bridge Road (Name of facility carried) _____

County: _____

Bridge Number (six digit): _____

Crossing (name of the feature intersected): _____

% Surrounding habitat w/in 1 mi.
of project footprint (approx)

Urban/Commercial _____

Suburban/Residential _____

Herb/Shrub/Grassland _____

Agricultural _____

Deciduous/Evergreen/Mixed Forest _____

Woody Wetland/Herb Wetland/Open Water _____

Any trees ≥ 3 " DBH within project footprint?

N/A

yes

no

Complete this section for Indiana bat counties (Avery, Cherokee, Clay, Graham, Haywood, Jackson, Macon, Swain, Rutherford, Watauga)

Any trees or snags ≥ 5 " DBH with exfoliating (shag) bark or crevices?

N/A

yes

no

If yes to shag/snag, how much sunlight do they receive during the day?

N/A

1-3 hours

4-6 hours

7+ hours

If yes to shag/snag, list species of habitat trees ≥ 5 " dbh _____

If snags ≥ 5 " DBH are present in sunlit areas, provide photos and location.

If large hollow trees are present, provide photos and location.

Presence of:

In project footprint

In vicinity (0.5 mi)

Caves

yes

no

yes

no

Abandoned mines

yes

no

yes

no

If 'yes' to any of the above, provide photos, description, and location.

Major water source in project footprint

N/A

river

stream/creek

pond

lake

swamp

Suitable drinking source for bats to access (veg blocking the flight path to the water? yes

no

N/A

Structure specific questions:

Artificial lighting

unknown

yes

no

Guard rail material

none

concrete

metal

timber

Deck material

concrete

metal

timber

open grid

Beam material

none

concrete

metal

timber

End/back wall material

concrete

masonry

timber

Creosote evidence

yes

no

Suitable roosting crevices present ($\frac{1}{2}$ - $1\frac{1}{4}$ " wide)

yes

no

Clogged deck drains

yes

no

Max height of bridge deck (bottom of deck) above ground or water (ft): _____

Bridge alignment

N/S

E/W

NW/SE

NE/SW

Human disturbance under bridge

high

med

low

none

Evidence of bats using bridge? (photos needed)

yes

no

Below section completed only if bats/evidence of bats observed:

Emergence count performed? (If yes, complete form next page)

yes

no

Evidence of bats using bird nests, if present?

yes

no

Type of Evidence (circle all that apply)

guano

staining

bats observed

Roost Type (circle all that apply)

crevice

open area

Roost Material

metal

concrete timber

Bat species present (list all species): _____

Notes (list each species locations, roost height and estimated number of each species): _____