

Today's Date: _____

County and Route: _____

Complete all items. Refer to reference photos and examples. This form does NOT take the place of the T&E assessment and should accompany the assessment submittal, with ALL supporting documentation attached.

If plans are available, indicate Plan Stage at T&E assessment submittal: plans attached

Preliminary Plans Right of Way Plans Final Plans for PS&E

anticipated construction date (month or season and year) _____

1. Obtain official species list: IPaC Online tool at <http://ecos.fws.gov/ipac/>

2. Obtain MDC MO Natural Heritage Review : online <https://naturalheritagereview.mdc.mo.gov/>

Level 1? No known Issues, submit to MoDOT Environmental with assessment

Level 2 or 3? Must contact MDC directly following directions on report. Must address any issues on MDC Review Report in T&E assessment. Submit all to MoDOT with assessment for noted state resources

3. Tree clearing (**anything over 3 inches in diameter**)

"Unknown" or leaving blank are not acceptable [note: Update any changes as the design progresses]

NO, indicate 'none' in appropriate box on RER AND in assessment, go to item #5

YES, Amount, location, time of year for tree removal must be indicated in assessment; amount in appropriate box on RER, complete item #4

If you are uncertain at the time of submittal, please indicate your best guess for example "possible, under 0.5 ac", "probable, 1-2 ac" on the RER and in assessment

Submit location of all tree clearing either on plan strip map, aerial, other drawing

Guidance videos for Common Field Assessments (bat trees and bridges) in the LPA EPG (136.6.4.5 Threatened and Endangered Species and Migratory Birds)

4. Tree Habitat Assessment

All trees three inches in diameter and above should be assessed for these characteristics. Suitable bat roost trees consist of live or dead hardwood trees which have **shingle-like or loose bark** providing space for bats to roost underneath the bark or trees with cavities, splits, crevices, hollow sections, and other damage. Removal of these trees at any time of the year may affect both species.

photograph trees to be removed, obtain close-up photos of suitable parts of tree, specifically any area with damage, cavities, excessively rough or flaky bark, gaps under bark, bark peeling away or falling in sheets from branches and tree trunks (refer to sample photos)

Tree Habitat Assessment: Compare photos and descriptions of trees to be removed with definition of suitable summer bat roost habitat.

suitable not suitable unsure

Sponsor will commit to clear suitable bat roost trees only during the non-breeding season, between November 1 and March 31.



5. Existing bridge, low water crossing, or box culvert?

NO, Go to Item #7

YES, standard bridge project photos: view of both road approaches, stream under the bridge, view across the stream (left and right abutments, piers, and left and right banks), banks and vegetation upstream and downstream (these photos will also help with any aquatic species assessments), and complete Item #6

6. Migratory Bird and bat assessment for bridges

If the project involves box culvert or bridgework, photograph the undersides of structures illustrating the presence/absence of any bird nests or unusual staining on the substructure or underside of the deck. Take note of 90-degree angles on the outside of the bridge, between girders, at pier caps, expansion joints, inside the box, and abutment walls, if applicable.

evaluate for nesting birds and bat staining/guano

Date evaluated: _____

photograph underside of bridge in all areas including pier caps, abutment walls, under expansion joints, or underside of box culvert, specifically any areas with:

A. Nests of birds Y/N

B. Brown staining or smears (oily spots) Y/N

C. Droppings (guano) Y/N

Note: if YES for B or C, check all crevices on the bridge for bat sign and send memo of findings with checklist.

Bridge memorandum completed? Y/N



7. Complete assessments for all species on IPaC official species list.

It is the responsibility of the LPA to make a written evaluation of their project impacts on each federal species listed on the IPaC List AND on MDC state endangered or species or communities of conservation concern from the Heritage Review. Make an impact assessment and justify that conclusion based on the habitat needs compared to habitat present in the project impact area.

Reference: Threatened and Endangered Species Habitats list in the LPA EPG (Fig 136.6.19)

Examples: “This project does not involve any tree clearing so there will be **no impact** on summer roosting habitat for listed bat species” or “MDC notes that aquatic species are known from this bridge location, and work should be restricted in the stream between 3/15-6/15. Work in the stream **may have an impact** on listed fish or mussel species, therefore the sponsor commits to no stream work between those dates”.

Accompanying the IPaC species list, MDC Heritage reports, Tree clearing information, Bridge assessments, and all T&E species assessments, submit:

- the full project limits easements/ __N/A utility relocation/ __N/A
- right-of-way (existing/new) ground disturbance limits
- aerial photographs plans diagrams/additional information

The Environmental Section of MoDOT Design will maintain documentation of all official effects determinations for FHWA. **If the project May Affect federally threatened or endangered species, MoDOT will conduct official USFWS Section 7 consultation on behalf of FHWA** for clearance and notify the LPA with the clearance date.

The completed T&E determinations and any USFWS consultation is required to be submitted by the sponsor to the USACE for all 404 permits, if applicable.