

**KANSAS DEPARTMENT OF TRANSPORTATION
SPECIAL PROVISION TO THE
STANDARD SPECIFICATIONS, EDITION 2007**

SPECIAL CONDITIONS – ENVIRONMENTAL

**NORTHERN LONG-EARED BAT (NLEB)
BRIDGE INSPECTION**

Construction activities associated with this project have potential to impact the federally threatened Northern Long-Eared Bat (NLEB).

Inspect all Bridges and Boxes for presence of bat activity, one week prior to construction on the project.

If no sign of bats are found, construction may proceed.

If bats are found to be present, contact the US Fish and Wildlife Service (USFWS), 2609 Anderson Ave., Manhattan, KS 66502 to determine if the bats are Northern Long-Eared Bats. The Manhattan USFWS phone number is 785-539-3474.

If the US Fish and Wildlife Service is unavailable to make the determination, hire a qualified biologist holding a USFWS Recovery Permit to determine if the bats are Northern Long-Eared Bats.

If Northern Long-Eared Bats are found to be present, no work should be initiated until a consultation with USFWS is completed.

GUIDANCE:

Perform inspections on:

- Bridges and boxes that are being repaired or rehabilitated when the work being done is under the deck or inside the box.
- All bridge and box replacement projects.

Inspections not required:

- Any repair or maintenance project that does not bother roosting bats in any way. Examples: road paving, wing-wall work, work above that does not drill down to the underside of the deck or inside the box, some abutment, beam end, scour, or pipe repair work.
- Maintenance work outside the active season (March 1 – October 31).
- Corrugated Metal Pipes.
- It is also documented that bats do not roost near the ground where predators can reach them. Roosting is usually at least 4 feet from the ground. This spec would not apply to boxes 4 feet tall and smaller.

See photos attached in Appendix A.

March 26, 2015

Photos *



Photo 1: Bats hanging from cracks along Support beams



Photo 2: Visible bats within an expansion joint



Photo 3: Example of open concrete joint used by bats



Photo 4: Guano deposits visible from bridge deck, on top of pier

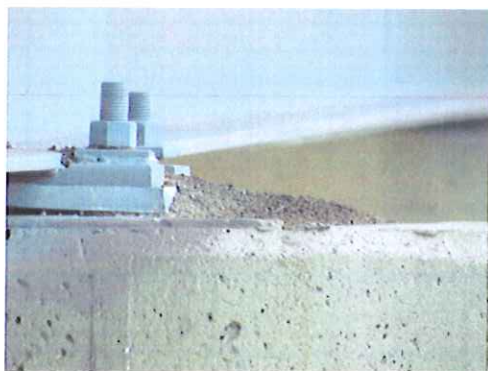


Photo 5: Guano deposit on pier, obscuring structural features.



Photo 6: Bat Guano on Rip Rap

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Photo 7: Staining along longitudinal joint. Note guano deposits on the ground. Photo 8: Staining on underside of expansion joint from bat use.



Photo 9: Staining on sides of pier caps

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Photo 10: Guano staining on side of pier

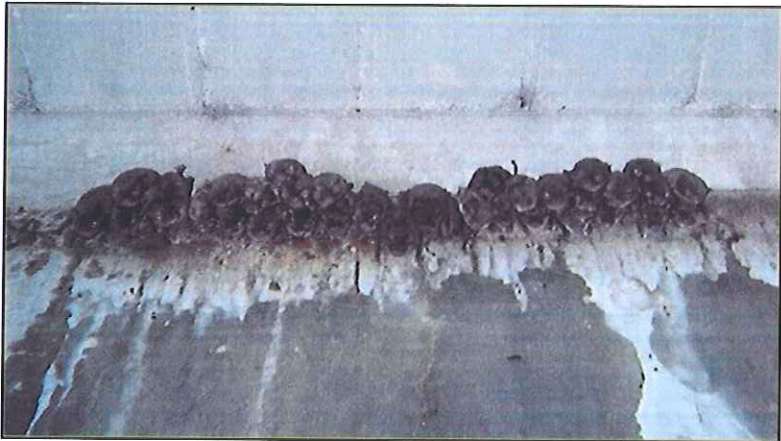


Photo 11: Bats Roosting & Associated Staining

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Photo 12 and 13: Bridge Design Mimicking "Cave-like" Atmosphere



Photo 14: NLEBs Roosting Under a Timber Decked Bridge

* Photos courtesy of Tom Cervone, Bernardin, Lochmueller and Associates, Jeff Gore, Florida Fish and Wildlife Conservation Commission, Rick Reynolds, Virginia Department of Game and Inland Fisheries, and Kraig McPeck, U.S. Fish & Wildlife Service.